

**From:** [Fischbach, Tracy](#)  
**To:** [Wendy Loya](#)  
**Cc:** [Steve Berendzen](#); [Stephanie Brady](#); [John Trawicki](#); [Joanna Fox](#); [Drew Crane](#)  
**Subject:** Re: FWS-BLM Weekly Check-in on Coastal Plain 1002  
**Date:** Tuesday, April 3, 2018 10:02:52 AM

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Do we want to have an FWS-only meeting sometime today or early tomorrow to discuss the MOU prior to us sharing it with BLM tomorrow at noon? -Tracy

Tracyann S Fischbach  
Natural Resources Planner  
National Wildlife Refuge System - Region 7  
Division of Natural Resources & Conservation Planning  
(907) 786-3369

Hours: Mon - Thurs 6:30 am to 4:00 pm; Friday 9:00 am - 1:00 pm  
"Getting right down and smelling the fresh soil is good for any one." - from the 1913 Handbook for Girl Scouts by W. J. Hoxie

**[Planning Questions? \(DOI Only\)](#)**

**Need access to Refuge Documents?**

[Online Document Database \(ServCat\)](#)

**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](#)

On Tue, Apr 3, 2018 at 7:56 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi FWS 1002 team,

Today's meeting with BLM will be held at BLM for those of you in Anchorage, and we'll be on the BLM conference line for those of you in Fairbanks.

Hopefully BLM has some updates on the NOI and contractor (if any) for the EIS, and our two tasks at hand include the MOU (we can ask any questions needed to get the draft complete) and the list of communities for consultation invitations. In looking at the email traffic on consultation, I think we have the final list (?) so I will circle with Crystal this morning to have her revise the email she sent to Greg and we can forward that to Nicole at BLM. We can take time on the call if needed to explain anything Nicole has questions about.

Thanks, feel free to add more agenda items to our rolling agenda.

[https://docs.google.com/document/d/1WV13\\_WBiKPJBoyKtdh9GTw5AUXzJXAEZBc73RMTP8p0/edit](https://docs.google.com/document/d/1WV13_WBiKPJBoyKtdh9GTw5AUXzJXAEZBc73RMTP8p0/edit)

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:** [Leonetti, Crystal](#)  
**To:** [Wendy Loya](#)  
**Subject:** Fwd: Tribal/ANCSA consultation on 1002  
**Date:** Tuesday, April 3, 2018 10:25:21 AM

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

**From:** **Berendzen, Steve** <[steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)>  
**Date:** Fri, Mar 30, 2018 at 1:54 PM  
**Subject:** Re: Tribal/ANCSA consultation on 1002  
**To:** "Leonetti, Crystal" <[crystal\\_leonetti@fws.gov](mailto:crystal_leonetti@fws.gov)>  
**Cc:** Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>, Hollis Twitchell <[hollis\\_twitchell@fws.gov](mailto:hollis_twitchell@fws.gov)>, Nicole Hayes <[mnhayes@blm.gov](mailto:mnhayes@blm.gov)>, Joanna Fox <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)>

Crystal, I guess I should have worked through my old emails backwards. This list looks better, but when Hollis and I discussed this he made a couple points that suggest some changes to this list; Nuiqsut doesn't have the connection to Kaktovik and the Coastal Plain that Barrow has, so he didn't think it was necessary to include. Circle was on the CCP list and could be included for consistency purposes, but could probably be excluded since they are the furthest removed from the Porcupine Caribou herd's range and influence of trade for their products.

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

On Thu, Mar 29, 2018 at 11:25 AM, Leonetti, Crystal <[crystal\\_leonetti@fws.gov](mailto:crystal_leonetti@fws.gov)> wrote:  
Here is the email that was an updated/corrected, and more comprehensive version of the one you forwarded. Please use this email.  
Thank you,  
Crystal

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

**From:** **Siekaniec, Greg** <[greg\\_siekaniec@fws.gov](mailto:greg_siekaniec@fws.gov)>  
**Date:** Tue, Mar 20, 2018 at 3:28 PM  
**Subject:** Fwd: Tribal/ANCSA consultation on 1002  
**To:** Crystal Leonetti <[crystal\\_leonetti@fws.gov](mailto:crystal_leonetti@fws.gov)>

I meant to add you to the note but tend to send and then realize I missed an addressee.

greg

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

**From:** **Siekaniec, Greg** <[greg\\_siekaniec@fws.gov](mailto:greg_siekaniec@fws.gov)>  
**Date:** Tue, Mar 20, 2018 at 3:27 PM  
**Subject:** Fwd: Tribal/ANCSA consultation on 1002  
**To:** "Wackowski, Stephen" <[stephen\\_wackowski@ios.doi.gov](mailto:stephen_wackowski@ios.doi.gov)>

Steve,

Please see the note from Crystal. Her guidance is spot on from my experience here in AK. I will again add the idea that consultation and public scoping should not be "blended" into the same visit as it will likely be construed as we are treating the tribe or corporation as just another member of the "public".

greg

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

From: **Leonetti, Crystal** <[crystal\\_leonetti@fws.gov](mailto:crystal_leonetti@fws.gov)>

Date: Tue, Mar 20, 2018 at 3:17 PM

Subject: Tribal/ANCSA consultation on 1002

To: Gregory Siekaniec <[greg\\_siekaniec@fws.gov](mailto:greg_siekaniec@fws.gov)>

Hi Greg,

Thanks for asking about consulting with tribes and ANCSA corporations on the 1002 lease sale draft EIS. I am reminded as I read through the DOI policy on consultation with Indian tribes (\*excerpt below) that it is not the Federal government's choice to decide who to consult. We should reach out to any potentially affected tribal governments and ask them whether they would like to consult. As an example, Arctic Refuge staff reached out to 11 of the tribes listed in the CCP consultation list, but only 4 tribes decided to consult. The rest of them decided to keep informed through regular communication, but not to engage in formal consultation.

I recommend that we reach out to the following tribes via phone to determine their level of interest, then send a letter based on their response about their desired level of engagement:

Native Village of Kaktovik

Venetie Traditional Council

Village of Arctic Village

Venetie Tribal Government

Inupiat Community of the Arctic Slope

Gwichyaa Zhee Gwich'in Tribal Government/Native Village of Fort Yukon

Native Village of Barrow

Native Village of Stevens

Naqsrarmiut Tribal Government/Village of Anaktuvuk Pass

Beaver Traditional Council

Chalkyitsik Village Council

Dundu Gwich'in/Birch Creek Village Council

Native Village of Nuiqsut

I also recommend that we reach out to the following ANCSA corporations in the same manner:

Arctic Slope Regional Corporation

Kaktovik Inupiat Corporation

To remain consistent with policy, DOI attendees should be DOI officials at the decision making level (D.C. level), along with subject matter experts (land, resources, wildlife) and a liaison (suggest Hollis Twitchell) should be present and engaged at the meetings. The smaller the Federal crowd, the better.

Scheduling of meetings should be in close coordination with tribes. Hollis has a respectful working relationship with the tribes and is excellent at making sure the entire council is available to meet and that they have

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materials on the subject of the meeting in advance.

I agree with the idea that the 2 DOI agencies consult together. This is consistent with requests from Tribes that we reduce our burden on them by coordinating our consultation meetings.

\*The DOI Policy on Consultation with Indian Tribes says that we shall consult on any "Departmental Action with Tribal Implications", which is defined as *any Departmental regulation, rulemaking, policy, guidance, legislative proposal, grant funding formula changes, or operational activity that may have a substantial direct effect on an Indian Tribe on matters including, but not limited to: 1.) Tribal cultural practices, land, resources, or access to traditional areas of cultural or religious importance on federally managed lands.* It also says that "*the appropriate Departmental officials are those individuals who are knowledgeable about the matters at hand, are authorized to speak for the Department, and exercise delegated authority in the disposition and implementation of an agency action.*"

*Crystal (Ciisquq) Leonetti, Yupik*  
Alaska Native Affairs Specialist  
Alaska Region - R7 External Affairs **tEAm**  
U.S. Fish & Wildlife Service  
[1011 E. Tudor Road](#)  
[Anchorage, AK 99503](#)

Direct: 907-786-3868  
Mobile: 907-230-8419

"Consultation is a process that aims to create effective collaboration with Indian tribes and to inform Federal decision-makers. Consultation is built upon government-to-government exchange of information and promotes enhanced communication that emphasizes trust, respect, and shared responsibility. Communication will be open and transparent without compromising the rights of Indian tribes or the government-to-government consultation process." –S.O. 3317 (Department of the Interior Policy on Consultation with Indian Tribes)

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*Crystal (Ciisquq) Leonetti, Yupik*  
Alaska Native Affairs Specialist  
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*Crystal (Ciisquq) Leonetti, Yupik*  
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**From:** [Wendy Loya](#)  
**To:** [National Snow & Ice Data Center](#)  
**Cc:** [Jeff Deems](#); [Miriam \(Nicole\) Hayes](#); [John Pearce](#); [Donald Cline](#); [Aimee Devaris](#)  
**Subject:** RE: [EXTERNAL] [National Snow & Ice Data Center] Update: Re: [National Snow & Ice Data Center] Update: Re: Arctic Alaska Snow Information (fwd)  
**Date:** Tuesday, April 3, 2018 11:25:18 AM  
**Attachments:** [Anwrmmap.jpg](#)

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Hi Paul,

Attached is a map with the general outline of the 1002 area of the Arctic National Wildlife Refuge, which is also visible with a gray outline on the west, south and eastern boundaries on the topo map available via ACME Mapper here <http://mapper.acme.com/?ll=69.84483,-144.23401&z=9&t=T>. The western boundary is the Canning River and the eastern boundary is the Aichilik River. The coast is the northern boundary, and while not exact, the mountains are generally the southern boundary.

Thank you for your assistance,  
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:** Paul (National Snow & Ice Data Center) <[nsidc@nsidc.org](mailto:nsidc@nsidc.org)>  
**Sent:** Tuesday, April 3, 2018 8:23 AM  
**Cc:** Jeff Deems <[jeff.deems@nsidc.org](mailto:jeff.deems@nsidc.org)>; Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>; Miriam Hayes <[mnhayes@blm.gov](mailto:mnhayes@blm.gov)>; John Pearce <[jpearce@usgs.gov](mailto:jpearce@usgs.gov)>; Donald Cline <[dcline@usgs.gov](mailto:dcline@usgs.gov)>; Aimee Devaris <[adevaris@usgs.gov](mailto:adevaris@usgs.gov)>  
**Subject:** [EXTERNAL] [National Snow & Ice Data Center] Update: Re: [National Snow & Ice Data Center] Update: Re: Arctic Alaska Snow Information (fwd)

## Please do not write below this line ##

You are registered as a cc on this help desk request and are thus receiving email notifications on all updates to the request.  
Reply to this email to add a comment to the request.

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**Paul, Apr 3, 10:22 MDT:**

Hi Aimee (and Nichole and Wendy),

I'd be glad to help out with this. Can you please attach a document or file that shows area 1002 in the ANWF? Once I have that, I can be more detailed about the data that is available.

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Thanks,  
Paul

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NSIDC User Services

CIRES, 449 UCB

University of Colorado

Boulder, CO 80309-0449, USA

Phone: +1 303-492-6199

Fax: +1 303-492-2468

Email: [nsidc@nsidc.org](mailto:nsidc@nsidc.org)

URL: <http://nsidc.org>

Twitter: @NSIDC

National Snow and Ice Data Center \* Distributed Active Archive Center

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**Aimee Devaris, Mar 30, 12:44 MDT:**

This is a follow-up to your previous request #87211 "Re: Arctic Alaska Snow Info..."

Hi Paul,

Just following up on this now -- as I was trying to find a contact for Fish and Wildlife and Bureau of Land Management in Alaska for this information. I've copied Wendy Loya from FWS and Nicole (Miriam) Hayes from BLM. They are trying to facilitate the cataloging of scientific information to establish a level of baseline information necessary to support the development of Environmental Impact Statements and other NEPA (National Environmental Policy Act) requirements.

It would be helpful for Nicole and Wendy to understand what data is available in terms of snow climatology in the 1002 area of the Arctic National Wildlife Refuge -- in terms of time and spatial scale.

I wanted to introduce them to you via this email. I think they will likely need technical assistance in accessing and using the data (unless there are simple products your center can provide), so we may need to draw in a local NOAA partner to help.

Thanks,  
Aimee

,

This email is a service from National Snow & Ice Data Center.

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**From:** [Loya, Wendy](#)  
**To:** [Jeanne Osnas](#)  
**Subject:** Fwd: Draft SOW for land cover map with attachment  
**Date:** Tuesday, April 3, 2018 3:48:36 PM  
**Attachments:** [1002-LandCoverMapSOW-Draft.docx](#)

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Thanks for your note, here is the attachment :)

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

**From:** **Wendy Loya** <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>  
**Date:** Tue, Apr 3, 2018 at 12:40 PM  
**Subject:** Draft SOW for land cover map with attachment  
**To:** Janet Jorgenson <[janet\\_jorgenson@fws.gov](mailto:janet_jorgenson@fws.gov)>, Scott Guyer <[sguyer@blm.gov](mailto:sguyer@blm.gov)>, Jess Grunblatt <[jgrunbla@alaska.edu](mailto:jgrunbla@alaska.edu)>, Elizabeth Powers <[elizabeth\\_powers@fws.gov](mailto:elizabeth_powers@fws.gov)>, Diane Granfors <[diane\\_granfors@fws.gov](mailto:diane_granfors@fws.gov)>

Here is the missing attachment :o!

Hi Janet, Scott and Jess (and Elizabeth and Diane),

Attached is a draft of a vegetation scope of work that Janet put forth a few weeks ago. I think we can build off this to try to capture the points made on today's call about considering the historical veg map from Janet et al. 1994, the existing NWI that Josh Rose described as being a robust product and existing ground-truth data collected on the refuge. I would also like to remember the important point that Torre made about using the surficial geology/geomorphology map (which I believe is Carter et al. 1986 (see below)). I am not that familiar with contracting and if we need to spell out every datalayer we want a contractor to consider, but however we want to make clear what historical documents and what level of validation/accuracy assessment we are looking for.

I think that we will pursue the NHD/NWI map as a separate effort, but if we can get RFPs or whatever it is called out a similar time, perhaps there will be the opportunity for a proposal to address all three? We may also have an existing contract with St. Mary's that we could add to, I will circle with Diane Granfors on that.

Carter, L.D., Ferrians, O.J., Jr., and Galloway, J.P., 1986, Engineering geologic maps of northern Alaska, coastal plain and foothills of the Arctic National Wildlife Refuge: U.S. Geological Survey Open-File Report 86-334, 10 p., scale 1:250,000, 2 sheets.

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:** [Ray, Diane](#)  
**To:** [Wendy Loya](#)  
**Subject:** Re: TA request for Fairbanks Arctic Staff meeting 4/8-14th  
**Date:** Tuesday, April 3, 2018 5:09:44 PM

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I put the cost comparison form on you chair for your signature

On Tue, Apr 3, 2018 at 3:03 PM, Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)> wrote:

Thank you

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 Apr 3, 2018, at 14:08, Ray, Diane <[diane\\_ray@fws.gov](mailto:diane_ray@fws.gov)> wrote:

Gov rate for lodging is \$75.00

On Tue, Apr 3, 2018 at 11:58 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

HI Di,

Can you please prepare a TA for me to go to Fairbanks next week? Purpose is to have an Arctic staff meeting and meet with Refuges staff about 1002 science needs.

Depart 4/8 by POV 340 miles

Hotel 4/8 -4/14 (6 nights; I will make reservation)

In town mileage estimate 100 miles

Return 4/14 by POV 340 Miles

Thank you,

Wendy

Dr. Wendy M. Loya, Coordinator

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Office of Science Applications -Arctic Program

US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.277.2942 (mobile)

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Diane Marie Ray, Secretary  
Office of Science Applications  
[1011 E Tudor Road](#) MS 281  
Anchorage, Alaska 99503  
907-786-3873

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Diane Marie Ray, Secretary  
Office of Science Applications  
1011 E Tudor Road MS 281  
Anchorage, Alaska 99503  
907-786-3873

**From:** [Wendy Loya](#)  
**To:** [Doug Damberg](#); [Steve Berendzen](#); [John Trawicki](#); [Drew Crane](#); [Sarena Selbo](#); [Diane Granfors](#)  
**Subject:** FW: 1002 and Polar Bear Information Needs  
**Date:** Tuesday, April 3, 2018 5:27:48 PM

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Dear 1002 team,

See the email below on the Polar Bear team request for funding for their priority studies in 2018. As we figure out how to best target funds available in the region, we should consider these topics alongside the Short List and Refuge Priorities (inclusive of the short list). We can discuss this Wednesday at 1pm meeting.

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:** Colligan, Mary <[mary\\_colligan@fws.gov](mailto:mary_colligan@fws.gov)>  
**Sent:** Friday, March 30, 2018 8:54 AM  
**To:** Gregory Siekaniec <[greg\\_siekaniec@fws.gov](mailto:greg_siekaniec@fws.gov)>; Karen Clark <[karen\\_clark@fws.gov](mailto:karen_clark@fws.gov)>; Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>  
**Cc:** Patrick Lemons <[patrick\\_lemons@fws.gov](mailto:patrick_lemons@fws.gov)>  
**Subject:** 1002 and Polar Bear Information Needs

Greg, Karen and Wendy –

We remain concerned that a project applicant and a path forward for MMPA authorization for polar bear take that may be associated with exploration and development in the 1002 area has not yet been identified. As we continue to encourage and attempt to facilitate resolution of that issue, we suggest that a number of priority information needs identified in the January joint FWS/USGS polar bear plan may be appropriate for funding this fiscal year.

In particular, we offer the following 4 initiatives:

1. Ear Tags: As you are aware, we identified the need for improved tagging techniques as a high priority requirement in order to obtain critical new information on habitat use and population abundance. USGS is investing in improved collars. We have made an initial investment in improved ear tag technology. The preliminary results are promising, but additional funds are necessary in order to size the tags so that they would be appropriate for use on polar bears. Funding necessary: \$120K
2. Habitat Ecology-Den Detection: Analyze existing information on den occurrences in the 1002 area and update and refine the habitat model. Ideally, the model would be updated using modern satellite technology such as LIDAR. This appears to be an excellent candidate for QRP/SSP funding. Funding necessary: \$150K for analysis, obtaining coverages would be additional costs.

3. Evaluating the Efficacy of Existing Mitigation Measures: Our plan identified the need for an analysis of existing data from oil and gas activities in Prudhoe Bay and NPRA to inform the relationship between infrastructure and polar bears, a comprehensive review of management measures applied to existing industry operations and an investigation of possible application of these to the 1002 area. This work could be conducted through a contract. Funding necessary: \$250K

4. Development of a Population Monitoring Plan for Southern Beaufort Sea Polar Bears: We believe initial work on this plan can and should occur this fiscal year, including meeting with Canadian researchers and managers and Alaskan Native subsistence hunters. We intend to set up a meeting with USGS in the coming weeks to explore roles and relationships and develop a specific proposal for your consideration.

We appreciate your consideration of the above requests and are available to discuss them more at your convenience.

Thanks,

Mary & Patrick

--

**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:** [Nicole Hayes](#); [John Pearce](#)  
**Subject:** FW: 1002 and Polar Bear Information Needs  
**Date:** Tuesday, April 3, 2018 5:30:03 PM

---

Nicole and John,

Please see the email below for communication from our Polar Bear team on what projects from the Polar Bear Resource Assessment they would like to try to pursue in 2018.

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:** Colligan, Mary <[mary\\_colligan@fws.gov](mailto:mary_colligan@fws.gov)>  
**Sent:** Friday, March 30, 2018 8:54 AM  
**To:** Gregory Siekaniec <[greg\\_siekaniec@fws.gov](mailto:greg_siekaniec@fws.gov)>; Karen Clark <[karen\\_clark@fws.gov](mailto:karen_clark@fws.gov)>; Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>  
**Cc:** Patrick Lemons <[patrick\\_lemons@fws.gov](mailto:patrick_lemons@fws.gov)>  
**Subject:** 1002 and Polar Bear Information Needs

Greg, Karen and Wendy –

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relationship between infrastructure and polar bears, a comprehensive review of management measures applied to existing industry operations and an investigation of possible application of these to the 1002 area. This work could be conducted through a contract. Funding necessary: \$250K

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We appreciate your consideration of the above requests and are available to discuss them more at your convenience.

Thanks,

Mary & Patrick

--

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:** [Greg Siekaniec](#)  
**Cc:** [Karen Clark](#); [Steve Berendzen](#); [Crystal Leonetti](#)  
**Subject:** RE: Consultation with Tribes, Corporations on 1002  
**Date:** Tuesday, April 3, 2018 5:35:54 PM

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Greg,

This is different than the list sent to Ted on 3/22/18. That list was too short. The one in the email I sent today represents a broader list of communities and has concurrence from Crystal and Arctic Refuge (especially Steve B and Hollis).

Steve and Hollis will send addresses for these entities to Nicole at BLM so she can prepare additional letters. Once the letters go out, we will coordinate having someone from FWS (ideally Hollis) follow up by phone to ensure invitations were received and that we can help answer questions as they consider the invite.

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:** Siekaniec, Greg <[greg\\_siekaniec@fws.gov](mailto:greg_siekaniec@fws.gov)>  
**Sent:** Tuesday, April 3, 2018 3:29 PM  
**To:** Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>; Karen Clark <[karen\\_clark@fws.gov](mailto:karen_clark@fws.gov)>  
**Subject:** Fwd: Consultation with Tribes, Corporations on 1002

Wendy,

The following was sent to Ted a while ago. Is this different that your note earlier today?

Thanks,

greg

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

**From:** **Murphy, Ted** <[t75murph@blm.gov](mailto:t75murph@blm.gov)>  
**Date:** Thu, Mar 22, 2018 at 4:51 PM  
**Subject:** Re: Consultation with Tribes, Corporations on 1002  
**To:** "Siekaniec, Greg" <[greg\\_siekaniec@fws.gov](mailto:greg_siekaniec@fws.gov)>

Thanks Greg

On Thu, Mar 22, 2018 at 10:07 AM, Siekaniec, Greg <[greg\\_siekaniec@fws.gov](mailto:greg_siekaniec@fws.gov)> wrote:

0000007750

My apology for not sending this earlier.

greg

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

From: **Leonetti, Crystal** <[crystal\\_leonetti@fws.gov](mailto:crystal_leonetti@fws.gov)>

Date: Tue, Mar 20, 2018 at 10:03 AM

Subject: Consultation with Tribes, Corporations on 1002

To: Gregory Siekaniec <[greg\\_siekaniec@fws.gov](mailto:greg_siekaniec@fws.gov)>

Cc: Steve Berendzen <[steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)>

Greg,

The DOI Policy on Consultation with Indian Tribes says that we shall consult on any "Departmental Action with Tribal Implications", which is defined as *any Departmental regulation, rulemaking, policy, guidance, legislative proposal, grant funding formula changes, or operational activity that may have a substantial direct effect on an Indian Tribe on matters including, but not limited to: 1.) Tribal cultural practices, land, resources, or access to traditional areas of cultural or religious importance on federally managed lands.* It also says that "the appropriate Departmental officials are those individuals who are knowledgeable about the matters at hand, are authorized to speak for the Department, and exercise delegated authority in the disposition and implementation of an agency action."

To remain consistent with policy, DOI attendees should be DOI officials at the decision making level (D.C. level), along with subject matter experts (land, resources, wildlife) and a liaison (suggest Hollis Twitchell) should consult with the Native Village of Kaktovik, Venetie Traditional Council, Village of Arctic Village, Venetie Tribal Government, Inupiat Community of the Arctic Slope and possibly Native Village of Fort Yukon/Gwichyaa Zhee and Native Village of Barrow.

The village and regional corporations in the area should also be consulted.

The scheduling of the meetings should be in close coordination with what works for the tribes. Hollis has a respectful working relationship with the tribes and is excellent at making sure the entire council is available to meet and has materials on the subject of the meeting in advance.

*Crystal (Ciisquq) Leonetti, Yupik*

Alaska Native Affairs Specialist

Alaska Region - R7 External Affairs **tEAm**

U.S. Fish & Wildlife Service

[1011 E. Tudor Road](#)

[Anchorage, AK 99503](#)

Direct: 907-786-3868

Mobile: 907-230-8419

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enhanced communication that emphasizes trust, respect, and shared responsibility. Communication will be open and transparent without compromising the rights of Indian tribes or the government-to-government consultation process.” –S.O. 3317 (Department of the Interior Policy on Consultation with Indian Tribes)

--

Ted A Murphy  
Alaska-Associate State Director  
907-271-5076

**From:** [Google Calendar](#) on behalf of [Maria Romero](#)  
**To:** [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov); [mitch\\_ellis@fws.gov](mailto:mitch_ellis@fws.gov); [mark\\_chase@fws.gov](mailto:mark_chase@fws.gov); [john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov); [socheata\\_lor@fws.gov](mailto:socheata_lor@fws.gov); [leisa\\_davis@fws.gov](mailto:leisa_davis@fws.gov); [doug\\_damberg@fws.gov](mailto:doug_damberg@fws.gov)  
**Subject:** 1002 Studies Conference Call  
**Start:** Thursday, April 5, 2018 4:30:00 PM  
**End:** Thursday, April 5, 2018 5:30:00 PM  
**Location:** FWS-FW7 NWRS Conference Room/Regional Office  
**Attachments:** [inv@te.cs](#)

more details **b5-CIP**

1002 Studies Conference Call

Please call:

**b5**

Participants passcode: **b5**

Leader: **b5**

When:

Thu Apr 5, 2018 2:30pm - 3:30pm Alaska Time

Where:

FWS-FW7 NWRS Conference Room/Regional Office (map <[https://maps.google.com/maps?q=FWS-FW7 NWRS Conference Room/Regional Office&hl=en](https://maps.google.com/maps?q=FWS-FW7%20NWRS%20Conference%20Room/Regional%20Office&hl=en)>)

Video call

**b5-CIP**

[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)

Who:

- [maria\\_romero@fws.gov](mailto:maria_romero@fws.gov)
- organizer
- [mitch\\_ellis@fws.gov](mailto:mitch_ellis@fws.gov)
- [mark\\_chase@fws.gov](mailto:mark_chase@fws.gov)
- [john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov)
- [socheata\\_lor@fws.gov](mailto:socheata_lor@fws.gov)
- [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)
- [leisa\\_davis@fws.gov](mailto:leisa_davis@fws.gov)
- [doug\\_damberg@fws.gov](mailto:doug_damberg@fws.gov)

Going?

Yes

**b5-CIP**

Invitation from Google Calendar <<https://www.google.com/calendar/>>

You are receiving this email at the account [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov) because you are subscribed for invitations on calendar [wendy\\_loya@fws.gov](mailto: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 <<https://support.google.com/calendar/answer/371356#forwarding>>.

**From:** [Berendzen, Steve](#)  
**To:** [Wendy Loya](#)  
**Cc:** [Joanna Fox](#)  
**Subject:** Re: FWS recommended invitations for Tribal/ANCSA consultation on 1002  
**Date:** Tuesday, April 3, 2018 8:12:40 PM

---

Wendy,

I noticed that the Native Village of Nuiqsut is on this list you sent Greg. Hollis didn't think they had significant connection to Kaktovik and we did not include this village on our list - copied below. Also, Circle Village was included in the list for the CCP; they are the farthest from the Porcupine Caribou range and probably less invested, but I'm just wanting to confirm that your list is the official one we use - is that the case?

- Gwichyaa Zhee in Ft Yukon
- NVK, Kaktovik
- Stevens Village
- Venetie Tribal Gov't
- Anaktuvuk Pass
- Beaver
- Birch Creek
- Chalkytsik
- Circle

In addition, I think it would be good to include both Venetie and Arctic Village Councils, as well as Barrow and ICAS as you suggested. However, if you offer to consult with a North Slope consortium of tribes (ICAS), should the same be done for the Gwich'in with an invitation to CATG or possibly TCC?

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

On Tue, Apr 3, 2018 at 9:14 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi Greg and Karen,

There has been some confusion about the recommended list of communities that FWS believes should be invited to consult on the Coastal Plain EIS. Below is what I understand to be the complete list of communities that the FWS via Crystal Leonetti recommends be invited to consultation after further discussions she has had with BLM's Alaska Native Affairs Specialist and the Arctic Refuge staff. This list would replace the shorter list that we shared with BLM on March 22 in an email from Greg to Ted Murphy.

If you agree with this revised list, can you please forward to Ted, and cc'ing me and Nicole Hayes [mnhayes@blm.gov](mailto:mnhayes@blm.gov)?

0000007754

Thank you,

Wendy

I recommend that we reach out to the following tribes via phone to determine their level of interest, then send a letter based on their response about their desired level of engagement:

Native Village of Kaktovik

Venetie Traditional Council

Village of Arctic Village

Venetie Tribal Government

Inupiat Community of the Arctic Slope

Gwichyaa Zhee Gwich'in Tribal Government/Native Village of Fort Yukon

Native Village of Barrow

Native Village of Stevens

Naqragmiut Tribal Government/Village of Anaktuvuk Pass

Beaver Traditional Council

Chalkyitsik Village Council

Dundu Gwich'in/Birch Creek Village Council

Native Village of Nuiqsut

I also recommend that we reach out to the following ANCSA corporations in the same manner:

Arctic Slope Regional Corporation

Kaktovik Inupiat Corporation

To remain consistent with policy, DOI attendees should be DOI officials at the decision making level (D.C. level), along with subject matter experts (land, resources, wildlife) and a liaison (suggest Hollis Twitchell) should be present and engaged at the meetings. The smaller the Federal crowd, the better.

Scheduling of meetings should be in close coordination with tribes. Hollis has a respectful working relationship with the tribes and is excellent at making sure the entire council is available to meet and that they have materials on the subject of the meeting in advance.

I agree with the idea that the 2 DOI agencies consult together. This is consistent with requests from Tribes that we reduce our burden on them by coordinating our consultation meetings.

\*The DOI Policy on Consultation with Indian Tribes says that we shall consult on any "Departmental Action with Tribal Implications", which is defined as *any Departmental regulation, rulemaking, policy, guidance, legislative proposal, grant funding formula changes, or operational activity that may have a substantial direct effect on an Indian Tribe on matters including, but not limited to: 1.) Tribal cultural practices, land, resources, or access to traditional areas of cultural or religious importance on federally managed lands.* It also says that "*the appropriate Departmental officials are those individuals who are knowledgeable about the matters at hand, are authorized to speak for the Department, and exercise delegated authority in the disposition and implementation of an agency action.*"

*Crystal (Ciisquq) Leonetti, Yupik*

Alaska Native Affairs Specialist

Alaska Region - R7 External Affairs **tEAm**

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[1011 E. Tudor Road](#)

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exchange of information and promotes enhanced communication that emphasizes trust, respect, and shared responsibility. Communication will be open and transparent without compromising the rights of Indian tribes or the government-to-government consultation process.” –S.O. 3317 (Department of the Interior Policy on Consultation with Indian Tribes)

**From:** [Jess Grunblatt](#)  
**To:** [Wendy Loya](#)  
**Subject:** [EXTERNAL] 1002 Mapping  
**Date:** Tuesday, April 3, 2018 8:57:10 PM

---

Hi Wendy,  
One follow-up thought on our conversation from today.

Your effort is different than the NSSI or other general landcover mapping efforts in that you have in mind some specific habitat/compliance questions that could drive the mapping categories. Although your budget might not support getting the full level of mapping detail you require, your biologist/compliance folks should drive the classification as much as possible (ie. not the technology). Coming up with 'fantasy categories' that may or may not be map-able but would be the most informative to your users could be helpful.

We (ACCS) hope to gets some thoughts to you on the SOW shortly.  
Jess

--

Jess Grunblatt  
Research Professional  
Alaska Center for Conservation Science (ACCS)  
University of Alaska Anchorage,  
Beatrice McDonald Hall - Rm 112  
3211 Providence Dr., Anchorage, Alaska 99508  
[jgrunbla@alaska.edu](mailto:jgrunbla@alaska.edu)  
Office:(907) 786 6353  
Cell: (907) 244 2435

**From:** [Ted Murphy](#)  
**To:** [Siekaniiec, Greg](#)  
**Cc:** [Wendy Loya](#); [Miriam \(Nicole\) Hayes](#); [Karen Clark](#); [Crystal Leonetti](#)  
**Subject:** Re: FWS recommended invitations for Tribal/ANCSA consultation on 1002  
**Date:** Tuesday, April 3, 2018 9:08:32 PM

---

Thanks. This closes the loop.

Ted

Sent from my iPhone

On Apr 3, 2018, at 4:08 PM, Siekaniiec, Greg <[greg\\_siekaniiec@fws.gov](mailto:greg_siekaniiec@fws.gov)> wrote:

Ted,

Evidently the full list of recommended tribes to contact regarding consultation was not complete when I forwarded a note on the 22nd of March. Please use the "list" in the following from Wendy that should clear up any confusion.

My apology,

greg

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

I recommend that we reach out to the following tribes via phone to determine their level of interest, then send a letter based on their response about their desired level of engagement:

Native Village of Kaktovik

Venetie Traditional Council

Village of Arctic Village

Venetie Tribal Government

Inupiat Community of the Arctic Slope

Gwichyaa Zhee Gwich'in Tribal Government/Native Village of Fort Yukon

Native Village of Barrow

Native Village of Stevens

Naqsrarmiut Tribal Government/Village of Anaktuvuk Pass

Beaver Traditional Council

Chalkyitsik Village Council

Dundu Gwich'in/Birch Creek Village Council

Native Village of Nuiqsut

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*importance on federally managed lands. It also says that "the appropriate Departmental officials are those individuals who are knowledgeable about the matters at hand, are authorized to speak for the Department, and exercise delegated authority in the disposition and implementation of an agency action."*

*Crystal (Ciisquq) Leonetti, Yupik*

Alaska Native Affairs Specialist

Alaska Region - R7 External Affairs **tEAm**

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[Anchorage, AK 99503](#)

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**From:** [Hayes, Miriam \(Nicole\)](#)  
**To:** [Wendy Loya](#)  
**Subject:** Fwd: FWS recommended invitations for Tribal/ANCSA consultation on 1002  
**Date:** Wednesday, April 4, 2018 10:22:24 AM

---

Hi Wendy,

It appears it is still the recommendation from Crystal to call and follow-up with those interested with a letter. I want to confirm it is still the recommendation of Hollis to send them ALL letters once the NOI goes out and follow up with a phone call?

Nicole

**Nicole Hayes**

Project Coordinator

Bureau of Land Management

222 W. 7th Avenue #13

Anchorage, Alaska 99513

Desk: (907) 271-4354

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

From: **Siekaniiec, Greg** <[greg\\_siekaniiec@fws.gov](mailto:greg_siekaniiec@fws.gov)>

Date: Tue, Apr 3, 2018 at 4:08 PM

Subject: Fwd: FWS recommended invitations for Tribal/ANCSA consultation on 1002

To: Ted Murphy <[t75murph@blm.gov](mailto:t75murph@blm.gov)>

Cc: Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>, "Miriam (Nicole) Hayes" <[mnhayes@blm.gov](mailto:mnhayes@blm.gov)>,

Karen Clark <[karen\\_clark@fws.gov](mailto:karen_clark@fws.gov)>, Crystal Leonetti <[crystal\\_leonetti@fws.gov](mailto:crystal_leonetti@fws.gov)>

Ted,

Evidently the full list of recommended tribes to contact regarding consultation was not complete when I forwarded a note on the 22nd of March. Please use the "list" in the following from Wendy that should clear up any confusion.

My apology,

greg

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

I recommend that we reach out to the following tribes via phone to determine their level of interest, then send a letter based on their response about their desired level of engagement:

Native Village of Kaktovik

Venetie Traditional Council

0000007762

Village of Arctic Village

Venetie Tribal Government

Inupiat Community of the Arctic Slope

Gwichyaa Zhee Gwich'in Tribal Government/Native Village of Fort Yukon

Native Village of Barrow

Native Village of Stevens

Naqragmiut Tribal Government/Village of Anaktuvuk Pass

Beaver Traditional Council

Chalkyitsik Village Council

Dundu Gwich'in/Birch Creek Village Council

Native Village of Nuiqsut

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*Crystal (Ciisquq) Leonetti, Yupik*

Alaska Native Affairs Specialist

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**From:** [Hayes, Miriam \(Nicole\)](#)  
**To:** [Wendy Loya](#)  
**Subject:** Re: FW: Request for updated list of communities for consultation  
**Date:** Wednesday, April 4, 2018 11:06:22 AM

---

Thanks, Wendy.  
Nicole

**Nicole Hayes**  
Project Coordinator  
Bureau of Land Management  
222 W. 7th Avenue #13  
Anchorage, Alaska 99513  
Desk: (907) 271-4354

On Wed, Apr 4, 2018 at 9:03 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi Steve,

This has been an overly messy process resulting in a list very similar to the one that FWS submitted originally from the CCP list 😊. Nevertheless, I think our intent is clear to be sure that we are inclusive and respectful in inviting communities in and near the 1002 area for consultation. I forwarded the email I sent yesterday to Greg after receiving the email below from Crystal. It implied that it had concurrence from Hollis, so I did not investigate further. I would not fret over the whether to include Nuiqsuit or not, they can decline to consult if they do not feel this EIS would affect their community. If you would like to add CATG and TCC, please include those with the address/contact info BLM has requested, and send that info directly to Nicole and cc me and Crystal, please. Nicole will prepare the additional letters with BLM making the final decision on who to send them to. We discussed that they will go out after the NOI for the EIS is released. We will then work together with BLM to ensure Hollis has the information he needs to follow up by phone regarding the invitation to consult. Once we have responses, we'll then work on the timing and logistics of consultation with BLM/DOI.

Thank you, I hope this clears up any remaining confusion 😊

Have a great day,

Wendy

Dr. Wendy M. Loya, Coordinator

0000007765

Office of Science Applications -Arctic Program

US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.277.2942 (mobile)

**From:** Leonetti, Crystal <[crystal\\_leonetti@fws.gov](mailto:crystal_leonetti@fws.gov)>

**Sent:** Tuesday, April 3, 2018 8:24 AM

**To:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>

**Subject:** Re: Request for updated list of communities for consultation

Did you see my separate email? It should have them in it. I had sent 2 different emails to Greg S. One was the one you forwarded. The second one was more comprehensive and is the one he forwarded to Steve W. We should use that one. It has all the tribes that Hollis suggested. We should have been using that email all along. I'm sorry I didn't notice that when we talked on Friday. I don't think I need to revise this email because that one does the trick.

On Tue, Apr 3, 2018 at 7:58 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi Crystal and Steve,

It looks like you all have come to consensus on the list of communities/organizations you would like BLM to invite for consultation. Crystal, can you revise the letter you sent to Greg S and copy me on it so we can share with Nicole at BLM. If we could do that today or as soon as you have time, that would be great.

Thank you,

Wendy

Dr. Wendy M. Loya, Coordinator

Office of Science Applications -Arctic Program

0000007766

US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.277.2942 (mobile)

**From:** Leonetti, Crystal <[crystal\\_leonetti@fws.gov](mailto:crystal_leonetti@fws.gov)>

**Sent:** Friday, March 30, 2018 1:49 PM

**To:** Berendzen, Steve <[steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)>

**Cc:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>; Hollis Twitchell <[hollis\\_twitchell@fws.gov](mailto:hollis_twitchell@fws.gov)>; Nicole Hayes <[mnhayes@blm.gov](mailto:mnhayes@blm.gov)>; Joanna Fox <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)>

**Subject:** Re: Request for updated list of communities for consultation

Hi Steve,

The answer is yes. However, CATG and TCC are not federally recognized tribes on the BIA list of Tribes, while ICAS is. Therefore, consultation with CATG and TCC are not required and would not be considered government to government. It's doesn't preclude us from consulting them, so I agree it would be good to reach out to them to ask if they are interested in meeting on the topic.

Thanks,

Crystal

On Fri, Mar 30, 2018 at 1:38 PM, Berendzen, Steve <[steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)> wrote:

Crystal,

I'm suggesting that we offer to consult with the same tribal entities that we offered to consult with through the CCP process:

- Gwichyaa Zhee in Ft Yukon
- NVK, Kaktovik
- Stevens Village

- Venetie Tribal Gov't
- Anaktuvuk Pass
- Beaver
- Birch Creek
- Chalkytsik
- Circle

In addition, I think it would be good to include both Venetie and Arctic Village Councils, as well as Barrow and ICAS as you suggested. However, if you offer to consult with a North Slope consortium of tribes (ICAS), should the same be done for the Gwich'in with an invitation to CATG or possibly TCC?

Steve Berendzen

Refuge Manager, Arctic National Wildlife Refuge

907-456-0253

On Thu, Mar 29, 2018 at 10:32 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi Hollis and Steve,

Would you please send Crystal a list of communities that you recommend receive invitations for Government to Government consultation regarding the Coastal Plain EIS? Her original recommendation accidentally omitted Chalkyitsik, and I believe you mentioned that tribal organizations for Venetie and Arctic Village needed clarification and that there were other communities you might recommend. She can then prepare an updated request to share with Greg for forwarding to BLM.

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)

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

From: **Leonetti, Crystal** <[crystal\\_leonetti@fws.gov](mailto:crystal_leonetti@fws.gov)>

Date: Tue, Mar 20, 2018 at 10:03 AM

Subject: Consultation with Tribes, Corporations on 1002

To: Gregory Siekaniec <[greg\\_siekaniec@fws.gov](mailto:greg_siekaniec@fws.gov)>

Cc: Steve Berendzen <[steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)>

Greg,

The DOI Policy on Consultation with Indian Tribes says that we shall consult on any "Departmental Action with Tribal Implications", which is defined as *any Departmental regulation, rulemaking, policy, guidance, legislative proposal, grant funding formula changes, or operational activity that may have a substantial direct effect on an Indian Tribe on matters including, but not limited to: 1.) Tribal cultural practices, land, resources, or access to traditional areas of cultural or religious importance on federally managed lands.* It also says that "the appropriate Departmental officials are those individuals who are knowledgeable about the matters at hand, are authorized to speak for the Department, and exercise delegated authority in the disposition and implementation of an agency action."

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The village and regional corporations in the area should also be consulted.

The scheduling of the meetings should be in close coordination with what works for the tribes. Hollis has a respectful working relationship with the tribes and is excellent at making sure the entire council is available to meet and has materials on the subject of the meeting in advance.

0000007769

*Crystal (Ciisquq) Leonetti, Yupik*

Alaska Native Affairs Specialist

Alaska Region - R7 External Affairs **tEAm**

U.S. Fish & Wildlife Service

[1011 E. Tudor Road](#)

[Anchorage, AK 99503](#)

--

*Crystal (Ciisquq) Leonetti, Yupik*

Alaska Native Affairs Specialist

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--

*Crystal (Ciisquq) Leonetti, Yupik*

Alaska Native Affairs Specialist

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[1011 E. Tudor Road](#)

[Anchorage, AK 99503](#)

Direct: 907-786-3868

Mobile: 907-230-8419

“Consultation is a process that aims to create effective collaboration with Indian tribes and to inform Federal decision-makers. Consultation is built upon government-to-government exchange of information and promotes enhanced communication that emphasizes trust, respect, and shared responsibility. Communication will be open and transparent without compromising the rights of Indian tribes or the government-to-government consultation process.” –S.O. 3317 (Department of the Interior Policy on Consultation with Indian Tribes)

**From:** [Wendy Loya](#)  
**To:** [Paul Leonard](#); [John Trawicki](#)  
**Subject:** [National Snow & Ice Data Center] Update: Re: Arctic Alaska Snow Information (fwd)  
**Date:** Wednesday, April 4, 2018 11:24:59 AM

---

FYI. These products are ones we can bring into consideration for considering a snow monitoring program when we get to further discussion on the data Sturm and Frank will provide. This is more than I have time to dig into at the moment, but look forward to a holistic discussion with ground, station, aircraft and satellite imagery to inform us.

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:** Paul (National Snow & Ice Data Center) <[nsidc@nsidc.org](mailto:nsidc@nsidc.org)>  
**Sent:** Wednesday, April 4, 2018 9:14 AM  
**Cc:** Jeff Deems <[jeff.deems@nsidc.org](mailto:jeff.deems@nsidc.org)>; Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>; Miriam Hayes <[mnhayes@blm.gov](mailto:mnhayes@blm.gov)>; John Pearce <[jpearce@usgs.gov](mailto:jpearce@usgs.gov)>; Donald Cline <[dcline@usgs.gov](mailto:dcline@usgs.gov)>; Aimee Devaris <[adevaris@usgs.gov](mailto:adevaris@usgs.gov)>  
**Subject:** [EXTERNAL] [National Snow & Ice Data Center] Update: Re: [National Snow & Ice Data Center] Update: Re: Arctic Alaska Snow Information (fwd)

## Please do not write below this line ##

---

You are registered as a cc on this help desk request and are thus receiving email notifications on all updates to the request.  
Reply to this email to add a comment to the request.

---

**Paul, Apr 4, 11:14 MDT:**

Dear Wendy,

Thanks for providing the map! I want to start by suggesting our MODIS products. Both MOD10A1 and MYD10A1 are daily products and include a snow cover and albedo parameter with temporal coverage from February 2000 and July 2002, respectively. There are many benefits to using this product, including the long temporal coverage, relatively low spatial resolution of 500m, and overall wide use and support in the remote sensing world. If the daily product is not what you're looking for, we also have an 8-day and monthly snow product.

0000007772

The Terra and Aqua satellites that these sensors are attached to have a little life left, likely 3–5 years. However, a new sensor, VIIRS, will create similar product to MODIS but at a slight higher resolution of 375m. This is another benefit to using MODIS; assuring that the temporal coverage will extend with VIIRS beyond the Aqua and Terra satellites.

I suggest researching these products before we proceed. I'd be happy to answer any questions you have about MODIS and/or VIIRS. If these are not what you're looking for, please let me know what specific parameters and temporal coverage you may need and we can go from there. The links to each mission are below. Keep in mind that the VIIRS Level 3, daily product (VNP10A1) has not yet been released yet but should be coming in the next few months. We can also discuss distribution methods and data customization methods for these products (programmatic access, downloading, reprojection, reformatting, etc) a bit later on.

<https://nsidc.org/data/modis>

<https://nsidc.org/data/viirs>

Thanks,

Paul

---

NSIDC User Services

CIRES, 449 UCB

University of Colorado

Boulder, CO 80309–0449, USA

Phone: +1 303–492–6199

Fax: +1 303–492–2468

Email: [nsidc@nsidc.org](mailto:nsidc@nsidc.org)

URL: <http://nsidc.org>

Twitter: @NSIDC

National Snow and Ice Data Center \* Distributed Active Archive Center

---

---

**Wendy Loya, Apr 3, 11:25 MDT:**

Hi Paul,

0000007773

Attached is a map with the general outline of the 1002 area of the Arctic National Wildlife Refuge, which is also visible with a gray outline on the west, south and eastern boundaries on the topo map available via ACME Mapper here <http://mapper.acme.com/?ll=69.84483,-144.23401&z=9&t=T>. (<http://mapper.acme.com/?ll=69.84483,-144.23401&z=9&t=T.%20%20>) The western boundary is the Canning River and the eastern boundary is the Aichilik River. The coast is the northern boundary, and while not exact, the mountains are generally the southern boundary.

Thank you for your assistance,

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: Paul (National Snow & Ice Data Center) <[nsidc@nsidc.org](mailto:nsidc@nsidc.org)>

Sent: Tuesday, April 3, 2018 8:23 AM

Cc: Jeff Deems <[jeff.deems@nsidc.org](mailto:jeff.deems@nsidc.org)>; Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>; Miriam Hayes <[mnhayes@blm.gov](mailto:mnhayes@blm.gov)>; John Pearce <[jpearce@usgs.gov](mailto:jpearce@usgs.gov)>; Donald Cline <[dcline@usgs.gov](mailto:dcline@usgs.gov)>; Aimee Devaris <[adevaris@usgs.gov](mailto:adevaris@usgs.gov)>

Subject: [EXTERNAL] [National Snow & Ice Data Center] Update: Re: [National Snow & Ice Data Center] Update: Re: Arctic Alaska Snow Information (fwd)

Attachment(s)

[Anwrmap.jpg](#)

---

**Paul, Apr 3, 10:22 MDT:**

Hi Aimee (and Nichole and Wendy),

I'd be glad to help out with this. Can you please attach a document or file that shows area 1002 in the ANWF? Once I have that, I can be more detailed about the data that is available.

Thanks,

Paul

---

NSIDC User Services

CIRES, 449 UCB

0000007774

University of Colorado

Boulder, CO 80309-0449, USA

Phone: +1 303-492-6199

Fax: +1 303-492-2468

Email: [nsidc@nsidc.org](mailto:nsidc@nsidc.org)

URL: <http://nsidc.org>

Twitter: @NSIDC

National Snow and Ice Data Center \* Distributed Active Archive Center

---

---

**Aimee Devaris, Mar 30, 12:44 MDT:**

This is a follow-up to your previous request #87211 "Re: Arctic Alaska Snow Info..."

Hi Paul,

Just following up on this now -- as I was trying to find a contact for Fish and Wildlife and Bureau of Land Management in Alaska for this information. I've copied Wendy Loya from FWS and Nicole (Miriam) Hayes from BLM. They are trying to facilitate the cataloging of scientific information to establish a level of baseline information necessary to support the development of Environmental Impact Statements and other NEPA (National Environmental Policy Act) requirements.

It would be helpful for Nicole and Wendy to understand what data is available in terms of snow climatology in the 1002 area of the Arctic National Wildlife Refuge -- in terms of time and spatial scale.

I wanted to introduce them to you via this email. I think they will likely need technical assistance in accessing and using the data (unless there are simple products your center can provide), so we may need to draw in a local NOAA partner to help.

Thanks,  
Aimee

,

This email is a service from National Snow & Ice Data Center.

0000007775

**From:** [Google Calendar](#) on behalf of [Miriam \(Nicole\) Hayes](#)  
**To:** [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)  
**Subject:** Coastal Plain 1002 USGS-FWS-BLM Weekly Check-In  
**Attachments:** [invite.ics](#)

---

This event has been canceled and removed from your calendar.

Coastal Plain 1002 USGS-FWS-BLM Weekly Check-In

When

Fri Apr 6, 2018 11am – 11:30am Alaska Time

Where

[b5-CIP](#) Participant Passcode [b5-](#) (map <[b5-CIP](https://maps.google.com/maps?q=<a href=);+Participant+Passcode=[b5-](#)&hl=en">https://maps.google.com/maps?q=[b5-CIP](#);+Participant+Passcode=[b5-](#)&hl=en> )

Video call

[b5-CIP](#)

Calendar

[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)

Who

• [mnhayes@blm.gov](mailto:mnhayes@blm.gov)

- organizer

• [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)

• [jpearce@usgs.gov](mailto:jpearce@usgs.gov)

Invitation from Google Calendar <<https://www.google.com/calendar/>>

You are receiving this email at the account [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov) because you are subscribed for cancellations on calendar [wendy\\_loya@fws.gov](mailto: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](#)

<<https://support.google.com/calendar/answer/37135#forwarding>> .

**From:** [Google Calendar](#) on behalf of [Mitch Ellis](#)  
**To:** [wendy\\_loya@fws.gov](#); [sarena\\_selbo@fws.gov](#); [mary\\_colligan@fws.gov](#); [eric\\_taylor@fws.gov](#); [john\\_trawick@fws.gov](#)  
**Subject:** 1002 Budget - Urgent  
**Start:** Wednesday, April 4, 2018 4:00:00 PM  
**End:** Wednesday, April 4, 2018 5:00:00 PM  
**Location:** NWRS Conference Room  
**Attachments:** [invite.ics](#)

more details > **b5-CIP**

1002 Budget - Urgent

Urgent request from HQ - due by COB today  
When  
Wed Apr 4, 2018 2pm - 3pm Alaska Time  
Where  
NWRS Conference Room (map <[https://maps.google.com/maps?q=NWRS Conference Room&hl en](https://maps.google.com/maps?q=NWRS+Conference+Room&hl=en)> )  
Video call

**b5-CIP**

Calendar  
wendy\_loya@fws.gov  
Who  
• [mitch\\_ellis@fws.gov](#)  
• organizer  
• [sarena\\_selbo@fws.gov](#)  
• [wendy\\_loya@fws.gov](#)  
• [mary\\_colligan@fws.gov](#)  
• [eric\\_taylor@fws.gov](#)  
• [john\\_trawick@fws.gov](#)

Going?

Yes

**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 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 <<https://support.google.com/calendar/answer/37135#forwarding>> .

**From:** [Selbo, Sarena](#)  
**To:** [Parks, Brett](#)  
**Cc:** [FW7 Science Applications Staff](#)  
**Subject:** Re: Content for Spring 18 OSA Newsletter, please provide input/edits by COB 4/6/18  
**Date:** Wednesday, April 4, 2018 3:44:17 PM  
**Attachments:** [OSA Spring Newsletter 2018 - Content Only - for SA Edits 3.30.18 smsedits.docx](#)

---

Couple edits attached - Brett I'd like to see the near final before it is widely shared. Thanks!

On Fri, Mar 30, 2018 at 2:48 PM, Parks, Brett <[brett\\_parks@fws.gov](mailto:brett_parks@fws.gov)> wrote:

Hello All,

Attached is content for our upcoming newsletter, as discussed at our last staff meeting. Please scan the whole thing, and pay special attention to the bits that are directly related to you. I need edits by the end of next Friday. In the interim, I'm formatting the MailChimp mailing itself (adding photos etc.). If you see underlined bits with no hyperlinks, those will be anchor links in the mailing moving readers through the page (or in the case of the webinars, where I will have a web page or flyer linked).

Thanks for taking a look. Have a great weekend!

Best,

Brett

--

Brett Parks  
Outreach Specialist

U.S. Fish and Wildlife Service  
Alaska Region/Office of Science Applications

907-456-0404  
[Brett\\_parks@fws.gov](mailto:Brett_parks@fws.gov)

101 12th Ave. Rm. 216  
Fairbanks, AK 99701



--

Sarena M. Selbo  
Assistant Regional Director  
Science Applications - Alaska Region  
U.S. Fish and Wildlife Service  
1011 East Tudor Road  
Anchorage, Alaska 99503  
907-786-3380

**From:** [Boario, Sara](#)  
**To:** [Wendy Loya](#); [Andrea Medeiros](#)  
**Subject:** time to talk comms?  
**Date:** Wednesday, April 4, 2018 4:05:56 PM  
**Attachments:** [Facebook Logo for Email Signature Block.png](#)

---

hey wendy -

andrea and i just got back from dc and i undertsand we need to get started on 1002 comms. it's perfect timing as i had a brief chat with Bud in dc...and am also working to get a meeting set up with my BLM counterpart about this (lesli). I know andrea is out the next few days on annual leave, but maybe you and i could get together tomorrow afternoon?

thanks

sb

--

Sara D. Boario  
Assistant Regional Director-External Affairs  
U.S. Fish and Wildlife Service, Alaska Region  
Anchorage, Alaska  
907-786-3431



**From:** [Damberg, Doug](#)  
**To:** [John Trawick](#); [Wendy Loya](#); [Socheata Lor](#); [Steve Berendzen](#); [Fox, Joanna](#)  
**Subject:** Fwd: Photogrammetry of ANWR 1002 Lands Proposal  
**Date:** Wednesday, April 4, 2018 4:27:57 PM  
**Attachments:** [Untitled attachment 04481.htm](#)  
[2018\\_HighResolutionOrthoimagery\\_ANWR\\_1002.docx](#)

---

Just an FYI, but this might be a potential way to tackle some of our 1002 mapping needs that we have identified - please contact Nate for specific details.  
d

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:** **Nathan Olson** <[nathan\\_olson@fws.gov](mailto:nathan_olson@fws.gov)>  
**Date:** Mon, Apr 2, 2018 at 4:52 PM  
**Subject:** Fwd: Photogrammetry of ANWR 1002 Lands Proposal  
**To:** [doug\\_damberg@fws.gov](mailto:doug_damberg@fws.gov), [ronnie\\_sanchez@fws.gov](mailto:ronnie_sanchez@fws.gov)

Please see attached proposal and cost estimate for aerial mapping of the 1002 area of anwr.  
Let me know if you have questions

Sent from my iPhone

Begin forwarded message:

**From:** "Laker, Mark" <[mark\\_laker@fws.gov](mailto:mark_laker@fws.gov)>  
**Date:** April 2, 2018 at 3:32:37 PM AKDT  
**To:** Nathan Olson <[nathan\\_olson@fws.gov](mailto:nathan_olson@fws.gov)>  
**Cc:** John Morton <[John\\_M\\_Morton@fws.gov](mailto:John_M_Morton@fws.gov)>  
**Subject:** **Photogrammetry of ANWR 1002 Lands Proposal**

Here is a basic proposal to photograph the 1002 lands with the Commander.

thx,

m

--

---

Mark Laker - Ecologist  
Kenai National Wildlife Refuge  
(907) 260-2809 phone

0000007780

(907) 398-9589 cell

**From:** [Google Calendar](#) on behalf of [Sarena Selbo](#)  
**To:** [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov); [mary\\_colligan@fws.gov](mailto:mary_colligan@fws.gov); [mitch\\_ellis@fws.gov](mailto:mitch_ellis@fws.gov)  
**Subject:** 1002 Budget Meeting - follow up  
**Start:** Thursday, April 5, 2018 5:00:00 PM  
**End:** Thursday, April 5, 2018 6:00:00 PM  
**Location:** no rooms available - Sarena's off ce?  
**Attachments:** [invite.ics](#)

---

more details » **b5-CIP**

1002 Budget Meeting - follow up

When  
Thu Apr 5, 2018 3pm - 4pm Alaska Time  
Where  
no rooms available - Sarena's office? (map <[https://maps.google.com/maps?q=no rooms available - Sarena's office?&hl=en](https://maps.google.com/maps?q=no+rooms+available+-+Sarena%27s+office%26hl+en-)>)  
Video call

**b5-CIP**

Calendar  
[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)  
Who  
• [sarena\\_selbo@fws.gov](mailto:sarena_selbo@fws.gov)  
- organizer  
• [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)  
• [mary\\_colligan@fws.gov](mailto:mary_colligan@fws.gov)  
• [mitch\\_ellis@fws.gov](mailto:mitch_ellis@fws.gov)

Going?

**b5-CIP**

Invitation from Google Calendar <<https://www.google.com/calendar/>>

You are receiving this email at the account [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov) because you are subscribed for invitations on calendar [wendy\\_loya@fws.gov](mailto: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 <https://support.google.com/calendar/answer/37135#forwarding>](https://support.google.com/calendar/answer/37135#forwarding).

**From:** [Martin, John](#)  
**To:** [Wendy Loya](#); [Lor, Socheata](#); [John Trawicki](#); [Stephanie Brady](#)  
**Subject:** Review of NPRA IAP EIS BMPs & ROPs for Applicability to Coastal Plain 1002 Area  
**Date:** Wednesday, April 4, 2018 5:23:57 PM  
**Attachments:** [Review of NPRA BMP-ROP for 1002 Area 4APR2018FINAL.docx](#)

---

All

As discussed today, please find the subject document attached. This is continuously updated as I discover more documents, recommendations, or other citations going through the archived records for the 1002 area. The 1988-1991 period is particularly rich. At that time the Service had developed a lease management plan as at the time it appeared that the next step beyond seismic exploration was imminent.

Thanks

John

**From:** [Trawicki, John](#)  
**To:** [Mitch Ellis](#); [Mary Colligan](#); [Sarena Selbo](#); [Eric Taylor](#); [Wendy Loya](#); [Doug Damberg](#); [John Trawicki](#)  
**Subject:** Operations Plan 2018 1002 area  
**Date:** Wednesday, April 4, 2018 5:37:54 PM  
**Attachments:** [2018\\_1002\\_operations\\_plan.xlsx](#)

---

Mitch-

please review and forward to Greg.

--

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:** [Taylor, Eric](#)  
**To:** [Mitch Ellis](#)  
**Cc:** [Wendy Loya](#); [John Trawicki](#)  
**Subject:** Re: Operations Plan 2018 1002 area  
**Date:** Wednesday, April 4, 2018 5:48:53 PM

---

Mitch -

Please change the word "Birds" on line 11 in Column A to read "Shorebirds". Thanks.

Eric

Eric J. Taylor  
Chief, Division of Migratory Bird Management  
U.S. Fish and Wildlife Service  
1011 E. Tudor Road, MS 201  
Anchorage, Alaska 99503-6199  
907.786.3446 (office)  
907.903.7210 (cell)  
[eric\\_taylor@fws.gov](mailto:eric_taylor@fws.gov)

On Wed, Apr 4, 2018 at 3:37 PM, Trawicki, John <[john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov)> wrote:

Mitch-

please review and forward to Greg.

--

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:** [Sarena Selbo](#)  
**To:** [Trawicki, John](#)  
**Cc:** [Mitch Ellis](#); [Mary Colligan](#); [Eric Taylor](#); [Wendy Loya](#); [Doug Damberg](#)  
**Subject:** Re: Operations Plan 2018 1002 area  
**Date:** Wednesday, April 4, 2018 5:53:22 PM

---

Great job pulling this together so quickly. Thank you John and Wendy.

On Apr 4, 2018, at 3:37 PM, Trawicki, John <[john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov)> wrote:

Mitch-

please review and forward to Greg.

--

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

<2018\_1002 operations plan.xlsx>

**From:** [Wendy Loya](#)  
**To:** [Paul Leonard](#)  
**Subject:** Fwd: Photogrammetry of ANWR 1002 Lands Proposal  
**Date:** Wednesday, April 4, 2018 6:03:46 PM  
**Attachments:** [2018\\_HighResolutionOrthoimagery\\_ANWR\\_1002.docx](#)  
[Untitled attachment 04459.htm](#)

---

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:** "Olson, Nathan" <[nathan\\_olson@fws.gov](mailto:nathan_olson@fws.gov)>  
**Date:** April 4, 2018 at 15:22:14 AKDT  
**To:** John Trawicki <[john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov)>, Wendy Loya  
<[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>  
**Subject:** **Fwd: Photogrammetry of ANWR 1002 Lands Proposal**

Mark Laker SFM proposal for 1002. Contact Mark with technical questions.

Nathan Olson  
Alaska Regional Aviation Manager  
1011 E Tudor Rd MS225  
Anchorage, AK 99503-6119  
907-786-3368 (Anchorage)  
907-331-9479 (Cell)

----- Forwarded message -----  
**From:** **Laker, Mark** <[mark\\_laker@fws.gov](mailto:mark_laker@fws.gov)>  
**Date:** Mon, Apr 2, 2018 at 3:32 PM  
**Subject:** Photogrammetry of ANWR 1002 Lands Proposal  
**To:** Nathan Olson <[nathan\\_olson@fws.gov](mailto:nathan_olson@fws.gov)>  
**Cc:** John Morton <[John\\_M\\_Morton@fws.gov](mailto:John_M_Morton@fws.gov)>

Here is a basic proposal to photograph the 1002 lands with the Commander.

thx,

m

--

---

Mark Laker - Ecologist  
Kenai National Wildlife Refuge  
(907) 260-2809 phone  
(907) 398-9589 cell

**From:** [Wendy Loya](#)  
**To:** [Doug Damberg](#); [John Trawicki](#); [Socheata Lor](#); [Steve Berendzen](#); [Joanna Fox](#)  
**Subject:** RE: Photogrammetry of ANWR 1002 Lands Proposal  
**Date:** Wednesday, April 4, 2018 6:21:57 PM

---

Thanks Doug,

We do need to understand the accuracy of this imagery as our primary need at this time is for snow depth estimates, which might be a difference of 15cm..so if this is that good, it would be great to have. Otherwise, I believe we have the IfSAR imagery needed for hydrography mapping already. Before moving ahead we should ask for a short overview from Mark to the vegetation mapping "team."

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:** Damberg, Doug <[doug\\_damberg@fws.gov](mailto:doug_damberg@fws.gov)>  
**Sent:** Wednesday, April 4, 2018 2:28 PM  
**To:** John Trawicki <[john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov)>; Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>; Socheata Lor <[Socheata\\_Lor@fws.gov](mailto:Socheata_Lor@fws.gov)>; Steve Berendzen <[steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)>; Fox, Joanna <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)>  
**Subject:** Fwd: Photogrammetry of ANWR 1002 Lands Proposal

Just an FYI, but this might be a potential way to tackle some of our 1002 mapping needs that we have identified - please contact Nate for specific details.  
d

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:** **Nathan Olson** <[nathan\\_olson@fws.gov](mailto:nathan_olson@fws.gov)>  
**Date:** Mon, Apr 2, 2018 at 4:52 PM  
**Subject:** Fwd: Photogrammetry of ANWR 1002 Lands Proposal  
**To:** [doug\\_damberg@fws.gov](mailto:doug_damberg@fws.gov), [ronnie\\_sanchez@fws.gov](mailto:ronnie_sanchez@fws.gov)

Please see attached proposal and cost estimate for aerial mapping of the 1002 area of anwr.  
Let me know if you have questions

Sent from my iPhone

Begin forwarded message:

**From:** "Laker, Mark" <[mark\\_laker@fws.gov](mailto:mark_laker@fws.gov)>  
**Date:** April 2, 2018 at 3:32:37 PM AKDT  
**To:** Nathan Olson <[nathan\\_olson@fws.gov](mailto:nathan_olson@fws.gov)>  
**Cc:** John Morton <[John\\_M\\_Morton@fws.gov](mailto:John_M_Morton@fws.gov)>  
**Subject: Photogrammetry of ANWR 1002 Lands Proposal**

Here is a basic proposal to photograph the 1002 lands with the Commander.

thx,

m

--

---

Mark Laker - Ecologist  
Kenai National Wildlife Refuge  
(907) 260-2809 phone  
(907) 398-9589 cell

**From:** [Wendy Loya](mailto:Wendy.Loya@fws.gov)  
**To:** [John Trawicki](mailto:John.Trawicki@fws.gov)  
**Subject:** FW: Photogrammetry of ANWR 1002 Lands Proposal  
**Date:** Wednesday, April 4, 2018 6:40:46 PM

---

FYI....Paul's thoughts.

**From:** Leonard, Paul <[paul\\_leonard@fws.gov](mailto:paul_leonard@fws.gov)>  
**Sent:** Wednesday, April 4, 2018 4:29 PM  
**To:** Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>  
**Subject:** Re: Photogrammetry of ANWR 1002 Lands Proposal

Looks like a bargain.

Some potential here for several things...

1. Snow-off DEM to compare to SFM measurements in April (as you suggested)
2. Same high-res DEM could be used to update NHD watershed boundaries required to get to NHD+ products (would be higher-res than the IFSAR dataset)
3. High-resolution multi-spectral othro product could be used for veg & wetland classification/mapping (pending some particulars)

On Wed, Apr 4, 2018 at 4:03 PM, Wendy Loya <[wendy\\_loya@fws.gov](mailto: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:** "Olson, Nathan" <[nathan\\_olson@fws.gov](mailto:nathan_olson@fws.gov)>  
**Date:** April 4, 2018 at 15:22:14 AKDT  
**To:** John Trawicki <[john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov)>, Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>  
**Subject:** Fwd: Photogrammetry of ANWR 1002 Lands Proposal

Mark Laker SFM proposal for 1002. Contact Mark with technical questions.

Nathan Olson  
Alaska Regional Aviation Manager  
1011 E Tudor Rd MS225  
Anchorage, AK 99503-6119  
907-786-3368 (Anchorage)  
907-331-9479 (Cell)

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

From: **Laker, Mark** <[mark\\_laker@fws.gov](mailto:mark_laker@fws.gov)>

Date: Mon, Apr 2, 2018 at 3:32 PM

Subject: Photogrammetry of ANWR 1002 Lands Proposal

To: Nathan Olson <[nathan\\_olson@fws.gov](mailto:nathan_olson@fws.gov)>

Cc: John Morton <[John\\_M\\_Morton@fws.gov](mailto:John_M_Morton@fws.gov)>

Here is a basic proposal to photograph the 1002 lands with the Commander.

thx,

m

--

---

Mark Laker - Ecologist  
Kenai National Wildlife Refuge  
(907) 260-2809 phone  
(907) 398-9589 cell

--

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

**From:** [Martin, John](#)  
**To:** [Wendy Loya](#); [Lor, Socheata](#); [John Trawicki](#); [Stephanie Brady](#)  
**Subject:** Re: Review of NPRA IAP EIS BMPs & ROPs for Applicability to Coastal Plain 1002 Area  
**Date:** Thursday, April 5, 2018 8:44:49 AM  
**Attachments:** [Mitigation & Potential Effects of 1002 Area Oil & Gas Program 1992.pdf](#)

---

All

The attachment below was supposed to go out with my previous email. It shows a complete stepwise breakdown of information needs and potential effects/mitigation for an oil and gas program - developed in 1992. All the tough questions have already been asked.

The most obvious changes since 1992 is the listing of the polar bear but no change the informational needs nor environmental effects; focus on waterfowl has now shifted to a more holistic all birds approach, with emphasis on shorebirds over other taxa; and, the tanking of the coastal plain muskox population

John

On Wed, Apr 4, 2018 at 3:23 PM, Martin, John <[john\\_w\\_martin@fws.gov](mailto:john_w_martin@fws.gov)> wrote:

All

As discussed today, please find the subject document attached. This is continuously updated as I discover more documents, recommendations, or other citations going through the archived records for the 1002 area. The 1988-1991 period is particularly rich. At that time the Service had developed a lease management plan as at the time it appeared that the next step beyond seismic exploration was imminent.

Thanks

John

**From:** [Murphy, Karen](#)  
**To:** [Selbo, Sarena](#)  
**Cc:** [Parks, Brett](#); [FW7 Science Applications Staff](#)  
**Subject:** Re: Content for Spring 18 OSA Newsletter, please provide input/edits by COB 4/6/18  
**Date:** Thursday, April 5, 2018 11:39:56 AM  
**Attachments:** [OSA Spring Newsletter 2018 - Content Only - for SA Edits 3.30.18 sm KMseidits.docx](#)

---

Here are my comments on the newsletter. I think we should be careful to link this to whatever is being sent out to the region in regards to SA staff.

Cheers,  
Karen

*Karen A Murphy*  
Science Applications  
907-786-3501  
[karen\\_a\\_murphy@fws.gov](mailto:karen_a_murphy@fws.gov)

On Wed, Apr 4, 2018 at 1:44 PM, Selbo, Sarena <[sarena\\_selbo@fws.gov](mailto:sarena_selbo@fws.gov)> wrote:  
Couple edits attached - Brett I'd like to see the near final before it is widely shared. Thanks!

On Fri, Mar 30, 2018 at 2:48 PM, Parks, Brett <[brett\\_parks@fws.gov](mailto:brett_parks@fws.gov)> wrote:  
Hello All,  
Attached is content for our upcoming newsletter, as discussed at our last staff meeting. Please scan the whole thing, and pay special attention to the bits that are directly related to you. I need edits by the end of next Friday. In the interim, I'm formatting the MailChimp mailing itself (adding photos etc.). If you see underlined bits with no hyperlinks, those will be anchor links in the mailing moving readers through the page (or in the case of the webinars, where I will have a web page or flyer linked).

Thanks for taking a look. Have a great weekend!

Best,

Brett

--

**Brett Parks**  
Outreach Specialist

U.S. Fish and Wildlife Service  
Alaska Region/Office of Science Applications

907-456-0404  
[Brett\\_parks@fws.gov](mailto:Brett_parks@fws.gov)

101 12th Ave, Rm. 216  
Fairbanks, AK 99701



--

Sarena M. Selbo  
Assistant Regional Director  
Science Applications - Alaska Region  
U.S. Fish and Wildlife Service  
1011 East Tudor Road  
Anchorage, Alaska 99503  
907-786-3380

**From:** [Selbo, Sarena](#)  
**To:** [Wendy Loya](#)  
**Subject:** Fwd: Revised Plan  
**Date:** Thursday, April 5, 2018 11:47:44 AM  
**Attachments:** [Untitled attachment 04415.htm](#)  
[2018\\_1002\\_operations\\_plan\\_v3.xlsx](#)

---

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

**From:** **Colligan, Mary** <[mary\\_colligan@fws.gov](mailto:mary_colligan@fws.gov)>  
**Date:** Thu, Apr 5, 2018 at 9:40 AM  
**Subject:** Fwd: Revised Plan  
**To:** "Selbo, Sarena" <[sarena\\_selbo@fws.gov](mailto:sarena_selbo@fws.gov)>

Here you go

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

**From:** **Greg Siekaniec** <[greg\\_siekaniec@fws.gov](mailto:greg_siekaniec@fws.gov)>  
**Date:** Wed, Apr 4, 2018 at 6:44 PM  
**Subject:** Fwd: Revised Plan  
**To:** [jim\\_kurth@fws.gov](mailto:jim_kurth@fws.gov)  
**Cc:** [karen\\_clark@fws.gov](mailto:karen_clark@fws.gov), [mitch\\_ellis@fws.gov](mailto:mitch_ellis@fws.gov), [mary\\_colligan@fws.gov](mailto:mary_colligan@fws.gov)

Jim,

Knowing how this generally works with funding being “earmarked” as part of the regional budget this is a reasonable representation of activities important to conduct in FY18. We have employees in the know and ready to ensure we can meet these project objectives. Also, this should not “break the bank” of any specific program but will require some adjustment in focus from what was anticipated prior to the Tax Act containing Arctic Coastal Plain oil and gas program language (e.g. this is a priority).

Please call if you wish to discuss prior to sending upstairs. I’m always up early should you have questions or concerns.

Greg

--

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

--

Sarena M. Selbo  
Assistant Regional Director  
Science Applications - Alaska Region  
U.S. Fish and Wildlife Service  
1011 East Tudor Road  
Anchorage, Alaska 99503  
907-786-3380

**From:** [Wendy Loya](#)  
**To:** [John Trawicki](#); [Drew Crane](#)  
**Subject:** FW: Revised Plan  
**Date:** Thursday, April 5, 2018 12:11:22 PM  
**Attachments:** [2018\\_1002\\_operations\\_plan\\_v3.xlsx](#)

---

FYI....

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

**From:** **Greg Siekaniec** <[greg\\_siekaniec@fws.gov](mailto:greg_siekaniec@fws.gov)>  
**Date:** Wed, Apr 4, 2018 at 6:44 PM  
**Subject:** Fwd: Revised Plan  
**To:** [jim\\_kurth@fws.gov](mailto:jim_kurth@fws.gov)  
**Cc:** [karen\\_clark@fws.gov](mailto:karen_clark@fws.gov), [mitch\\_ellis@fws.gov](mailto:mitch_ellis@fws.gov), [mary\\_colligan@fws.gov](mailto:mary_colligan@fws.gov)

Jim,

Knowing how this generally works with funding being “earmarked” as part of the regional budget this is a reasonable representation of activities important to conduct in FY18. We have employees in the know and ready to ensure we can meet these project objectives. Also, this should not “break the bank” of any specific program but will require some adjustment in focus from what was anticipated prior to the Tax Act containing Arctic Coastal Plain oil and gas program language (e.g. this is a priority).

Please call if you wish to discuss prior to sending upstairs. I’m always up early should you have questions or concerns.

Greg

--  
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

--  
**Sarena M. Selbo**  
Assistant Regional Director

Science Applications - Alaska Region  
U.S. Fish and Wildlife Service  
1011 East Tudor Road  
Anchorage, Alaska 99503  
907-786-3380

**From:** [Wendy Loya](#)  
**To:** [Greg Siekaniec](#)  
**Cc:** [Karen Clark](#)  
**Subject:** RE: Is 1002 Team meeting tomorrow (Friday) at 9am?  
**Date:** Thursday, April 5, 2018 12:33:20 PM

---

Sounds good, thank you.

**From:** Siekaniec, Greg <[greg\\_siekaniec@fws.gov](mailto:greg_siekaniec@fws.gov)>  
**Sent:** Thursday, April 5, 2018 10:32 AM  
**To:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>  
**Cc:** Karen Clark <[karen\\_clark@fws.gov](mailto:karen_clark@fws.gov)>  
**Subject:** Re: Is 1002 Team meeting tomorrow (Friday) at 9am?

Wendy,

I'm inclined to keep the call but try and shorten it up if needed. There are some developments that worthy of note in my opinion.

greg

On Thu, Apr 5, 2018 at 9:45 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Should we cancel for Anthropocene workshop? Not a lot to report from our level, we are working on draft MOU, have provided the quick response on likely 1002 science funding as well as assembled a team of experts to scope the mapping products in the priority info needs to get towards a statement of work for contracts, worked with BLM on contact info for tribes on the list, and other miscellaneous. Planning an internal meeting next week to get a handle on Stipulations and BMPs as a double-check on science needed in the near future and to be aware of what existing options there are through NPRA and CFR for protecting habitat/responsible resource development.

Thanks,  
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:** [Bud Cribley](#)  
**Subject:** FW: Revised Plan  
**Date:** Thursday, April 5, 2018 12:35:00 PM  
**Attachments:** [2018\\_1002\\_operations\\_plan\\_v3.xlsx](#)

---

FYI. We will be holding tomorrow's call if you can join.

From yesterday, in response to a request for how the region would be investing in 1002 information needs....

Jim,

Knowing how this generally works with funding being "earmarked" as part of the regional budget this is a reasonable representation of activities important to conduct in FY18. We have employees in the know and ready to ensure we can meet these project objectives. Also, this should not "break the bank" of any specific program but will require some adjustment in focus from what was anticipated prior to the Tax Act containing Arctic Coastal Plain oil and gas program language (e.g. this is a priority).

Please call if you wish to discuss prior to sending upstairs. I'm always up early should you have questions or concerns.

Greg

**From:** [Putnam, Christopher](#)  
**To:** [Wendy Loya](#)  
**Subject:** Arctic Refuge PB Den Coordinates from IR Survey  
**Date:** Thursday, April 5, 2018 12:50:57 PM  
**Attachments:** [2018 ANWR PB Den IR Survey Coordinates.xlsx](#)

---

Wendy,

Attached is a spreadsheet with the coordinates of the hotspots we identified during the recent IR survey for polar bear dens in the Arctic Refuge. The coordinates are in WGS84.

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

**From:** [Fox, Joanna](#)  
**To:** [Wendy Loya](#)  
**Subject:** Re: Fairbanks staff meeting to discuss Stipulation and BMPs  
**Date:** Thursday, April 5, 2018 1:17:48 PM

---

It appears the Refuges conference room is already booked for Wilderness First Aid training all day Wednesday, so I reserved Room 110 (the FES conference room) for the BMP/Stipulations discussion. If something changes I'll let you know.

Thanks Wendy,  
Joanna

---

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

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[www.facebook.com/arcticonationalwildliferefuge](http://www.facebook.com/arcticonationalwildliferefuge)

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

On Thu, Apr 5, 2018 at 10:13 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Thank you, Joanna. Can you reserve the Refuge conference room or another room from 130-330 (or 2-4 if that looks better)?

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:** Fox, Joanna <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)>

**Sent:** Thursday, April 5, 2018 10:01 AM

**To:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>

**Cc:** Steve Berendzen <[steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)>; John Trawicki <[john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov)>; Doug Damberg <[doug\\_damberg@fws.gov](mailto:doug_damberg@fws.gov)>

0000007803

**Subject:** Re: Fairbanks staff meeting to discuss Stipulation and BMPs

Hi Wendy,

The following Arctic Refuge staff should be invited to attend this discussion:

- Greta Burkart
- Chris Latty
- Steve Arthur
- Roy Churchwell
- Hollis Twitchell
- Jennifer Reed
- Roger Kaye

According to calendars, most should be available, though not all keep their calendars up to date. Please do set up a conference line, as Steve (and possibly others?) will have to participate via phone.

Thank you,

Joanna

---

Joanna L. Fox

Deputy Refuge Manager

Arctic National Wildlife Refuge

[101 12th Avenue, Room 236](#)

[Fairbanks, AK 99701](#)

[\(907\) 456-0549](#)

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[www.facebook.com/arcticonationalwildliferefuge](http://www.facebook.com/arcticonationalwildliferefuge)

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

On Thu, Apr 5, 2018 at 9:54 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi Joanna and Steve,

Can you advise on which staff should be included in a meeting to go over Stipulations and BMPs from NPRA as well as ones identified for 1002 area previously, towards ensuring we are making the right science investments in 2018 and prepare for science planning for 2019 and beyond? We can also set up a conference line so perhaps Steve A can call in if he is available. I welcome other input into what would make this useful. I hope enough staff are available to make this worthwhile; we decided to aim for next Wednesday afternoon after 130 so that folks can attend the morning the USGS presentations and luncheon/poster session.

I think the draft plan is for John Martin and I to help lead the discussion, providing a document that will guide the discussion about wildlife and habitat related stipulations/bmps. This is really just a first step for Refuge staff, although I hope to invite Louise Smith and Ted Swem. A next step after we have good internal understanding and have identified questions is to then have the FWS subject matter experts meet with BLM staff to have more focused discussions as needed.

Thank you.

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:** [Matthew Sturm](#); [Chris Larsen](#)  
**Cc:** [Paul Leonard](#)  
**Subject:** FW: Photogrammetry of ANWR 1002 Lands Proposal  
**Date:** Thursday, April 5, 2018 1:29:49 PM  
**Attachments:** [2018\\_HighResolutionOrthoimagery\\_ANWR\\_1002.docx](#)

---

Hi Matthew and Chris,

The attachment is simply an FYI at this point, but I did want to provide this as background in case it comes up for discussion soon. While it could be useful to have SfM for the 1002 area, we would want to make sure it was accurate enough for snow depth calculations. When this comes up for discussion, I hope that Chris can chat with Mark Laker about the important considerations necessary to get a product that would be jointly useful for snow.

Thanks,  
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](#)  
**To:** [Tina Racy](#)  
**Cc:** [Wendy Loya](#)  
**Subject:** IAA - USGS  
**Date:** Thursday, April 5, 2018 1:32:08 PM  
**Attachments:** [IAA Urban SOW v2.docx](#)  
[IAA Urban 3-2366.pdf](#)  
[IAA Urban PPR.pdf](#)  
[IAA Urban Budget.docx](#)

---

Hi Tina,

In advance of our meeting tomorrow AM, I was hoping you could take a look at the documents and let me know what else is required from our end at this point?

I believe the USGS portion to be complete.

My remaining questions pertain to where the overhead is properly documented,

Cheers,  
Paul

--

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

**From:** [Wendy Loya](#)  
**To:** [b6@gmail.com](#); [Frank Urban](#); [Matthew Sturm](#); [Eric Yeager](#)  
**Cc:** [Paul Leonard](#)  
**Subject:** FW: Arctic Refuge PB Den Coordinates from IR Survey  
**Date:** Thursday, April 5, 2018 1:38:43 PM  
**Attachments:** [2018 ANWR PB Den IR Survey Coordinates.xlsx](#)

---

Hi Frank and Eric,

Attached are coordinates for four possible polar bear dens in or near the 1002 area for your awareness and avoidance planning; please do not share these further. Our polar bear biologists believe most bears emerge by mid-April. USGS is tagging bears along the coast through approximately April 11<sup>th</sup>. If bears were observed inland in the refuge from the aircraft flying at a height to not disturb them, it would be nice to have those informal observations noted. USGS habitat maps indicate bears den up to 20 miles inland in the Refuge.

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:** [Paul Leonard](#)  
**Subject:** FW: Revised Plan  
**Date:** Thursday, April 5, 2018 2:17:31 PM  
**Attachments:** [2018\\_1002\\_operations\\_plan\\_v3.xlsx](#)

---

FYI,

These are the project the region has committed to trying to launch in 2018. If additional funding becomes available, we can expand the list.

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

From: **Greg Siekaniec** <[greg\\_siekaniec@fws.gov](mailto:greg_siekaniec@fws.gov)>

Date: Wed, Apr 4, 2018 at 6:44 PM

Jim,

Knowing how this generally works with funding being “earmarked” as part of the regional budget this is a reasonable representation of activities important to conduct in FY18. We have employees in the know and ready to ensure we can meet these project objectives. Also, this should not “break the bank” of any specific program but will require some adjustment in focus from what was anticipated prior to the Tax Act containing Arctic Coastal Plain oil and gas program language (e.g. this is a priority).

Please call if you wish to discuss prior to sending upstairs. I’m always up early should you have questions or concerns.

Greg

**From:** [Matthew Sturm](#)  
**To:** [Loya, Wendy](#)  
**Subject:** [EXTERNAL] flite swaths  
**Date:** Thursday, April 5, 2018 2:20:21 PM  
**Attachments:** [Niguanak.kml](#)  
[Camden Marsh.kml](#)

---

Here are the flight swaths we hope to complete (wx. being kind).

Matthew

**From:** [John Ivey](#)  
**To:** [Wendy Loya](#)  
**Subject:** Re: [EXTERNAL]  
**Date:** Thursday, April 5, 2018 2:22:42 PM

---

Thank you Wendy.

I am also interested in what FWS has to say about how caribou will be affected by oil development on the slope. Can you give me ways to access this information?

Thanks again,  
John Ivey

On Thu, Apr 5, 2018 at 11:59 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

John,

The BLM will be handling the development of the EIS for the Arctic National Wildlife Refuge Coastal Plain. When the Notice of Intent to prepare the EIS is published, it will contain information on the public scoping period and how comments can be submitted. If that announcement does not answer your questions, please let me know and I will be happy to try to assist you further.

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:** John Ivey <[06\[REDACTED\]@gmail.com](mailto:06[REDACTED]@gmail.com)>

**Sent:** Thursday, April 5, 2018 11:55 AM

**To:** [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)

0000007811

**Subject:** [EXTERNAL]

Hello Wendy---

Can you send me any information available on the process and timing for public comment on the oil development at the 1002 area?

Thank you,

John Ivey

**From:** [Paul \(National Snow & Ice Data Center\)](#)  
**Cc:** [Jeff Deems](#); [Wendy Loya](#); [Miriam Hayes](#); [John Pearce](#); [Donald Cline](#); [Aimee Devaris](#)  
**Subject:** [EXTERNAL] [National Snow & Ice Data Center] Update: Re: [National Snow & Ice Data Center] Update: Re: Arctic Alaska Snow Information (fwd)  
**Date:** Thursday, April 5, 2018 2:46:44 PM

---

## Please do not write below this line ##

You are registered as a cc on this help desk request and are thus receiving email notifications on all updates to the request.  
Reply to this email to add a comment to the request.

---

**Paul, Apr 5, 14:46 MDT:**

Hi Wendy,

Thanks for the update. The use case for the data is also interesting as that provides a little clarity. I look forward to hearing from you or the other scientists soon.

Thanks,  
Paul

---

NSIDC User Services

CIRES, 449 UCB

University of Colorado

Boulder, CO 80309-0449, USA

Phone: +1 303-492-6199

Fax: +1 303-492-2468

Email: [nsidc@nsidc.org](mailto:nsidc@nsidc.org)

URL: <http://nsidc.org>

Twitter: @NSIDC

National Snow and Ice Data Center \* Distributed Active Archive Center

---

**Wendy Loya, Apr 5, 13:49 MDT:**

Hi Paul,

I thought I replied to you yesterday, but cannot find that I sent an email. So, thank you for providing the link to the MODIS imagery that can provide FWS with snow/snow-free data. While I don't have time to explore this fully at this moment, we will bring this into our discussions on how to monitor snow to ensure protection of

0000007813

vegetation and soils in the refuge during winter tundra travel activities. Either I or one of our other scientists will circle back with you as we move further with that discussion.

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)

---

**Paul, Apr 4, 11:14 MDT:**

Dear Wendy,

Thanks for providing the map! I want to start by suggesting our MODIS products. Both MOD10A1 and MYD10A1 are daily products and include a snow cover and albedo parameter with temporal coverage from February 2000 and July 2002, respectively. There are many benefits to using this product, including the long temporal coverage, relatively low spatial resolution of 500m, and overall wide use and support in the remote sensing world. If the daily product is not what you're looking for, we also have an 8-day and monthly snow product.

The Terra and Aqua satellites that these sensors are attached to have a little life left, likely 3–5 years. However, a new sensor, VIIRS, will create similar product to MODIS but at a slight higher resolution of 375m. This is another benefit to using MODIS; assuring that the temporal coverage will extend with VIIRS beyond the Aqua and Terra satellites.

I suggest researching these products before we proceed. I'd be happy to answer any questions you have about MODIS and/or VIIRS. If these are not what you're looking for, please let me know what specific parameters and temporal coverage you may need and we can go from there. The links to each mission are below. Keep in mind that the VIIRS Level 3, daily product (VNP10A1) has not yet been released yet but should be coming in the next few months. We can also discuss distribution methods and data customization methods for these products (programmable access, downloading, reprojection, reformatting, etc) a bit later on.

<https://nsidc.org/data/modis>

<https://nsidc.org/data/viirs>

Thanks,

Paul

NSIDC User Services

CIRES, 449 UCB

University of Colorado

Boulder, CO 80309-0449, USA

Phone: +1 303-492-6199

Fax: +1 303-492-2468

Email: [nsidc@nsidc.org](mailto:nsidc@nsidc.org)

URL: <http://nsidc.org>

Twitter: @NSIDC

National Snow and Ice Data Center \* Distributed Active Archive Center

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**Wendy Loya, Apr 3, 11:25 MDT:**

Hi Paul,

Attached is a map with the general outline of the 1002 area of the Arctic National Wildlife Refuge, which is also visible with a gray outline on the west, south and eastern boundaries on the topo map available via ACME Mapper here <http://mapper.acme.com/?ll=69.84483,-144.23401&z=9&t=T>. (<http://mapper.acme.com/?ll=69.84483,-144.23401&z=9&t=T.%20%20>) The western boundary is the Canning River and the eastern boundary is the Aichilik River. The coast is the northern boundary, and while not exact, the mountains are generally the southern boundary.

Thank you for your assistance,

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: Paul (National Snow & Ice Data Center) <[nsidc@nsidc.org](mailto:nsidc@nsidc.org)>

Sent: Tuesday, April 3, 2018 8:23 AM

Cc: Jeff Deems <[jeff.deems@nsidc.org](mailto:jeff.deems@nsidc.org)>; Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>; Miriam Hayes <[mnhayes@blm.gov](mailto:mnhayes@blm.gov)>; John Pearce <[jpearce@usgs.gov](mailto:jpearce@usgs.gov)>; Donald Cline <[dcline@usgs.gov](mailto:dcline@usgs.gov)>; Aimee Devaris <[adevaris@usgs.gov](mailto:adevaris@usgs.gov)>

Subject: [EXTERNAL] [National Snow & Ice Data Center] Update: Re: [National Snow & Ice Data Center]

Update: Re: Arctic Alaska Snow Information (fwd)

Attachment(s)

0000007815

[Anwrmap.jpg](#)

---

**Paul, Apr 3, 10:22 MDT:**

Hi Aimee (and Nichole and Wendy),

I'd be glad to help out with this. Can you please attach a document or file that shows area 1002 in the ANWF? Once I have that, I can be more detailed about the data that is available.

Thanks,  
Paul

---

NSIDC User Services

CIRES, 449 UCB

University of Colorado

Boulder, CO 80309-0449, USA

Phone: +1 303-492-6199

Fax: +1 303-492-2468

Email: [nsidc@nsidc.org](mailto:nsidc@nsidc.org)

URL: <http://nsidc.org>

Twitter: @NSIDC

National Snow and Ice Data Center \* Distributed Active Archive Center

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**Aimee Devaris, Mar 30, 12:44 MDT:**

This is a follow-up to your previous request #87211 "Re: Arctic Alaska Snow Info..."

Hi Paul,

Just following up on this now -- as I was trying to find a contact for Fish and Wildlife and Bureau of Land Management in Alaska for this information. I've copied Wendy Loya from FWS and Nicole (Miriam) Hayes from BLM. They are trying to facilitate the cataloging of scientific information to establish a level of baseline information necessary to support the development of Environmental Impact Statements and other NEPA (National Environmental Policy Act) requirements.

It would be helpful for Nicole and Wendy to understand what data is available in terms of snow climatology in the 1002 area of the Arctic National Wildlife Refuge -- in terms of time and spatial scale.

I wanted to introduce them to you via this email. I think they will likely need technical assistance in accessing and using the data (unless there are simple products your center can provide), so we may need to draw in a

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local NOAA partner to help.

Thanks,  
Aimee

,

**This email is a service from National Snow & Ice Data Center.**

**From:** Google Calendar on behalf of Sara Boario  
**To:** wendy\_loya@fws.gov; andrea\_medeiros@fws.gov  
**Subject:** Arctic 1002 comms with Wendy and Andrea  
**Start:** Monday, April 9, 2018 11:30:00 AM  
**End:** Monday, April 9, 2018 12:30:00 PM  
**Attachments:** [invite.ics](#)

more details » **b5-CIP** [Redacted]

Arctic 1002 comms with Wendy and Andrea

When  
Mon Apr 9, 2018 9:30am – 10:30am Alaska Time

Video call  
**b5-CIP** [Redacted]

Calendar  
wendy\_loya@fws.gov  
Who  
• sara\_boario@fws.gov  
- organizer  
• andrea\_medeiros@fws.gov  
• wendy\_loya@fws.gov

Going?  
**b5-CIP** [Redacted]

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 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 <<https://support.google.com/calendar/answer/37135#forwarding>> .

**From:** [Wendy Loya](#)  
**To:** [Christopher Larsen](#)  
**Subject:** RE: [EXTERNAL] Re: Photogrammetry of ANWR 1002 Lands Proposal  
**Date:** Thursday, April 5, 2018 4:06:04 PM

---

Thanks Chris, that is very helpful feedback!

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:** Christopher Larsen <[cflarsen@alaska.edu](mailto:cflarsen@alaska.edu)>  
**Sent:** Thursday, April 5, 2018 2:03 PM  
**To:** Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>  
**Cc:** Matthew Sturm <[msturm1@alaska.edu](mailto:msturm1@alaska.edu)>; Paul Leonard <[paul\\_leonard@fws.gov](mailto:paul_leonard@fws.gov)>  
**Subject:** [EXTERNAL] Re: Photogrammetry of ANWR 1002 Lands Proposal

Hi Wendy,

Thanks for sharing. Our SfM approach uses direct georeferencing, meaning each photo has a position that gets bundled into the analysis. We end up with +/- 10 cm accuracy in our products (verified with co-collected lidar), with 10-20 cm pixel size. The approach outlined in this proposal appears to rely on ground control points for georeferencing, with the accuracy on the order of 2 m or better for the final products. For the thin snow packs that we're used to working with on the north slope, we need the +/- 10 cm level products.

-Chris

On Apr 5, 2018, at 11:29 AM, Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)> wrote:

Hi Matthew and Chris,

The attachment is simply an FYI at this point, but I did want to provide this as background in case it comes up for discussion soon. While it could be useful to have SfM for the 1002 area, we would want to make sure it was accurate enough for snow depth calculations. When this comes up for discussion, I hope that Chris can chat with Mark Laker about the important considerations necessary to get a product that would be jointly useful for snow.

Thanks,  
Wendy

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

0000007819

907.786.3532 (office)

907.277.2942 (mobile)

<2018\_HighResolutionOrthoimagery\_ANWR\_1002.docx>

**From:** [Wendy Loya](#)  
**To:** [Brett Parks](#)  
**Cc:** [Amy Pocewicz](#); [Sarena Selbo](#); [Paul Leonard](#)  
**Subject:** suggestion for Arctic LCC partner webinar  
**Date:** Thursday, April 5, 2018 4:22:43 PM

---

Hi Brett,

I like Paul's suggestion #3 for a webinar better than inviting Ben Jones to present on this at this time, they are of broader interest and I think the Thermokarst monitoring fits in with conversations we will have later this summer as we do more strategic planning for north slope monitoring especially for the 1002 area. Chris's work fits in with the 1002 area work, in part because it highlights that we don't have enough water in 1002 area to build roads like in the watershed he has investigated.

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:** Parks, Brett <[brett\\_parks@fws.gov](mailto:brett_parks@fws.gov)>  
**Sent:** Tuesday, April 3, 2018 8:33 AM  
**To:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>  
**Cc:** Amy Pocewicz <[amy\\_pocewicz@fws.gov](mailto:amy_pocewicz@fws.gov)>; Sarena Selbo <[sarena\\_selbo@fws.gov](mailto:sarena_selbo@fws.gov)>  
**Subject:** Re: Content for Spring 18 OSA Newsletter, please provide input/edits by COB 4/6/18

Hi Wendy,  
Thanks for response regarding the newsletter edits.

I'll send you the next phase of the Thermokarst content by COB tomorrow (For the record, I did send exactly what you requested last time "...jot down the elements that seem to capture the topics you organize the fact sheets by (what, where, why or something like that) and then we talk...").

The series of Facebook posts is still ready to go or for your edits (sent Jan. 29). I'll re-attach them here.

Following up on another email thread, would one of the researchers on the Thermokarst project make a good webinar presentation? It would tie in well with the availability of the upcoming 1-2 pager. We have some slots open in the near future. Alternatively, Paul suggested the following:

1. Mark Lara <[mjlara@illinois.edu](mailto:mjlara@illinois.edu)> : [Arctic Coastal Plain Landform Mapping](#) to describe Polygonal Tundra Geomorphology
2. Rebecca Shaftel <[rsshaftel@alaska.edu](mailto:rsshaftel@alaska.edu)>: Climate Effects on Arctic Food Resources: Retrospective Analysis of Rate of Advancement of Invertebrate Phenology
3. Chris Arp <[cdarp@alaska.edu](mailto:cdarp@alaska.edu)>: Ice roads through lake-rich arctic watersheds: integrating climate uncertainty and freshwater habitat responses into adaptive management

Are any of these good candidates for you, me, or Paul to follow up with?

Best,

Brett

On Tue, Apr 3, 2018 at 7:48 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi Brett,

I will make edits to the text for Arctic by Friday.

I was wondering if you had made any progress on 1 of the 2 fact sheets you were asked to make for Arctic or the Facebook post? I haven't heard a word from you since 2/16/18 and no real effort since you sent the very minimal content on 2/13/18 for the Thermokarst Monitoring fact sheet.

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:** Parks, Brett <[brett\\_parks@fws.gov](mailto:brett_parks@fws.gov)>

**Sent:** Friday, March 30, 2018 2:48 PM

**To:** FW7 Science Applications Staff <[fw7\\_science\\_applications\\_staff@fws.gov](mailto:fw7_science_applications_staff@fws.gov)>

**Subject:** Content for Spring 18 OSA Newsletter, please provide input/edits by COB 4/6/18

Hello All,

Attached is content for our upcoming newsletter, as discussed at our last staff meeting. Please scan the whole thing, and pay special attention to the bits that are directly related to you. I need edits by the end of next Friday. In the interim, I'm formatting the MailChimp mailing itself (adding photos etc.). If you see underlined bits with no hyperlinks, those will be anchor links in the mailing moving readers through the page (or in the case of the webinars, where I will have a web page or flyer linked).

Thanks for taking a look. Have a great weekend!

Best,

Brett

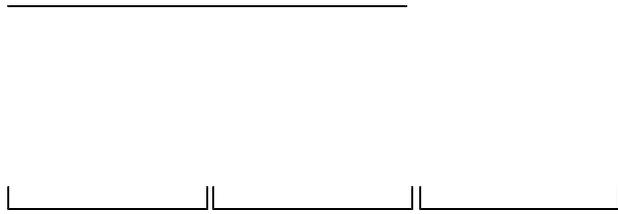
--

**Brett Parks**  
Outreach Specialist

U.S. Fish and Wildlife Service  
Alaska Region/Office of Science Applications

0000007822

907-456-0404  
[Brett\\_parks@fws.gov](mailto:Brett_parks@fws.gov)  
101 12th Ave. Rm. 216  
Fairbanks, AK 99701



--

**Brett Parks**  
**Outreach Specialist**

**U.S. Fish and Wildlife Service**  
**Alaska Region/Office of Science Applications**



907-456-0404  
[Brett\\_parks@fws.gov](mailto:Brett_parks@fws.gov)  
101 12th Ave. Rm. 216  
Fairbanks, AK 99701



**From:** [Wendy Loya](#)  
**To:** [Mark Chase](#); [Doug Damberg](#); [Mitch Ellis](#); [Socheata Lor](#); [John Trawicki](#); [Sarena Selbo](#); [Mary Colligan](#)  
**Subject:** Updated Operations Plan for NRPC  
**Date:** Thursday, April 5, 2018 5:12:53 PM  
**Attachments:** [2018\\_1002\\_operations\\_plan\\_040518.xlsx](#)

---

Hi Mark,

Attached is our 2018 project list that we discussed on today's call. We have added a column with probable funding sources, and then sorted to put those projects without likely funding commitments at the top. We would be grateful for any assistance you can provide towards helping us meet these immediate needs.

Please let us know if you need additional information.

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:** [Google Calendar](#) on behalf of [Roy Churchwell](#)  
**To:** [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)  
**Subject:** Intro to Oil and Gas Stipulations and BMPs  
**Attachments:** [invite.ics](#)

---

Roy Churchwell  
has replied "Maybe" to this invitation.

Intro to Oil and Gas Stipulations and BMPs

Purpose: Overview and discussion of Stipulations and BMPs from NPRA aswell as ones identified for 1002 area previously, towards ensuring we aremaking the right science investments in 2018 and prepare for science planningfor 2019 and beyond. The focus will be on wildlife, fish,vegetation/habitat, water, wilderness/recreation and other topics central tothe purposes of the Refuge.

We'll meet in Fairbanks in the FES Conference Room in 110 andopen a phone line for remote participation. We expect to have a handoutwith information from NPRA table 2.3 and FWS documents to work from.

Instant Meeting Audio # **b5-CIP**

When

Wed Apr 11, 2018 2pm – 4pm Alaska Time

Where

Fairbanks Room 110 Conference Room (map <<https://maps.google.com/maps?q=Fairbanks+Room+110+Conference+Room&hl=en>> )

Calendar

[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)

Who

- [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)
- organizer
- [stephen\\_arthur@fws.gov](mailto:stephen_arthur@fws.gov)
- [greta\\_burkart@fws.gov](mailto:greta_burkart@fws.gov)
- [paul\\_leonard@fws.gov](mailto:paul_leonard@fws.gov)
- [steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)
- [john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov)
- [louise\\_smith@fws.gov](mailto:louise_smith@fws.gov)
- [doug\\_damberg@fws.gov](mailto:doug_damberg@fws.gov)
- [jennifer\\_reed@fws.gov](mailto:jennifer_reed@fws.gov)
- [roger\\_kaye@fws.gov](mailto:roger_kaye@fws.gov)
- [hollis\\_twitchell@fws.gov](mailto:hollis_twitchell@fws.gov)
- [joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)
- [roy\\_churchwell@fws.gov](mailto:roy_churchwell@fws.gov)
- [drew\\_crane@fws.gov](mailto:drew_crane@fws.gov)
- [christopher\\_latty@fws.gov](mailto:christopher_latty@fws.gov)
- [ted\\_swem@fws.gov](mailto:ted_swem@fws.gov)
- [john\\_w\\_martin@fws.gov](mailto:john_w_martin@fws.gov)
- [stephanie\\_brady@fws.gov](mailto:stephanie_brady@fws.gov)
- [tracy\\_fischbach@fws.gov](mailto:tracy_fischbach@fws.gov)

Invitation from Google Calendar <<https://www.google.com/calendar/>>

You are receiving this email at the account [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov) because you are subscribed for invitation replies on calendar [wendy\\_loya@fws.gov](mailto: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  
<<https://support.google.com/calendar/answer/37135#forwarding>> .

**From:** [Jess Grunblatt](#)  
**To:** [Wendy Loya](#)  
**Cc:** [Janet Jorgenson](#)  
**Subject:** [EXTERNAL] Re: update on Vegetation SOW  
**Date:** Thursday, April 5, 2018 6:26:28 PM

---

Hi Sara,  
Thanks for taking the time with me to go over the options that lie ahead. Hope things get worked out.

See below for Wendy's interest in joint funding if possible. Implementing a hydro/wetland update (NHD) would move the ball forward for Wendy's mapping effort for 1002 evaluations and would potentially provide a product of value to industry as well. Hope I did not get too far ahead but if funds are available this could meet a priority data need.

Its interesting to note that while the NSSI veg map was being prepared everyone expected development to occur around Wainwright if oil came onshore and no one expected the 1002 area to be an issue. Now its the opposite.

Let me know if I can help with the post-doc.  
Jess

On Thu, Apr 5, 2018 at 2:05 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi Janet,

I got a call this morning from the staff at ACCS-UAA that were on the veg call, and they are working on providing feedback on the Statement of work for the vegetation map and hope to be able to send you and I something next week. It sounds like they took in a lot of what you and Torre said and are making suggestions on an approach to capture that. Jess also mentioned that perhaps we could approach BLM/NSSI about the possibility of some funding, so jotting that down so that possibility is not forgotten. Mitch has organized a call with Mark Chase to see about possible help with funding also.

I'll be in Fairbanks next week, and would like to follow up with you also.

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)

--

**Jess Grunblatt**

Research Professional

Alaska Center for Conservation Science (ACCS)

University of Alaska Anchorage,

Beatrice McDonald Hall - Rm 112

3211 Providence Dr., Anchorage, Alaska 99508

[jgrunbla@alaska.edu](mailto:jgrunbla@alaska.edu)

Office: (907) 786 6353

Cell: (907) 244 2435

**From:** [Socheata Lor](#)  
**To:** [Wendy Loya](#)  
**Cc:** [Mark Chase](#); [Doug Damberg](#); [Mitch Ellis](#); [John Trawicki](#); [Sarena Selbo](#); [Mary Colligan](#)  
**Subject:** Re: Updated Operations Plan for NRPC  
**Date:** Thursday, April 5, 2018 9:44:13 PM

---

Thank you, Wendy!

Mark, we appreciate your help! Thank you!

Sent from my iPhone

On Apr 5, 2018, at 3:12 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi Mark,

Attached is our 2018 project list that we discussed on today's call. We have added a column with probable funding sources, and then sorted to put those projects without likely funding commitments at the top. We would be grateful for any assistance you can provide towards helping us meet these immediate needs.

Please let us know if you need additional information.

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)

<2018\_1002 operations plan 040518.xlsx>

**From:** [Sarena Selbo](#)  
**To:** [Wendy Loya](#)  
**Cc:** [Mary Colligan](#); [Eric Taylor](#); [Mitch Ellis](#)  
**Subject:** Re: FYI: Intro to Oil and Gas Stipulations and BMPs meeting in Fairbanks next Wednesday  
**Date:** Thursday, April 5, 2018 10:53:50 PM

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Thank you Wendy. I look forward to hearing how it goes.

On Apr 5, 2018, at 12:40 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi Sarena, Mary, Eric, and Mitch,

As an FYI, I am working with John Martin to organize a meeting next Wednesday from 2-4 in Fairbanks to go over the NPRA stipulations and Best Management Practices in the 2013 Final EIS and any different/missing stipulations that were in previous FWS documents for the 1002 area. The purpose is towards ensuring we are making the right science investments in 2018 and prepare for science planning for 2019 and beyond, as well as to prep staff for the EIS process. The focus will be on wildlife, fish, vegetation/habitat, water, wilderness/recreation and other topics central to the natural resources purposes of the Refuge, but not including subsistence, contaminants, oil spill etc. in this conversation to simply make sure we can cover topics well enough. We can have a conversation on other topics as needed in the future.

Below is a list of the staff that were invited, but please let me know if you have other staff you would like to attend (or you would like to attend!) and I will forward the invite so they can join in person or by teleconference:

Leonard, Paul  
Christopher Latty  
Doug Damberg  
Drew Crane  
Greta Burkart  
Hollis Twitchell  
Jennifer Reed  
Joanna Fox  
John Trawicki  
Martin, John  
Louise Smith  
Roger Kaye  
Roy Churchwell  
Stephanie Brady \*  
Stephen Arthur \*  
Steve Berendzen  
Ted Swem

Tracy Fischbach

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:** [Fischbach, Tracy](#)  
**To:** [Wendy Loya](#)  
**Cc:** [Stephanie Brady](#); [John Trawicki](#); [Drew Crane](#)  
**Subject:** FWS/BLM MOU for the Coastal Plain 1002 Area EIS  
**Date:** Friday, April 6, 2018 9:47:07 AM  
**Attachments:** [Izembek MOU with ACOE.pdf](#)

---

Hi Nicole,

Sorry this is coming to you later than planned, but it sounds like you have been traveling. Hopefully, that means we are still meeting your needs. Attached is the Google Doc of the very, VERY draft MOU. You'll notice that the numberings are off. The fonts aren't all quite matching, etc. Google was having a hard time consistently putting an outline format together. We can fix that when we start editing for review up the chain.

Please do keep in mind that we did move things around in this document quite a bit. We went back to a FWS - Corps of Engineers MOU that we did for the Izembek Land Exchange EIS many years ago. It seemed to have language to was more applicable to the current situation.

Please do take a look and let me know what you think. We have not moved this up our chain at all and hope that you can also keep it at staff level until we can get to a cleaner, more consistent copy.

Best, Tracy

 [DRAFT BLM-FWS MOU.docx](#)

Tracyann S Fischbach  
Natural Resources Planner  
National Wildlife Refuge System - Region 7  
Division of Natural Resources & Conservation Planning  
(907) 786-3369

Hours: Mon - Thurs 6:30 am to 4:00 pm; Friday 9:00 am - 1:00 pm  
"Getting right down and smelling the fresh soil is good for any one." - from the 1913 Handbook for Girl Scouts by W. J. Hoxie

[Planning Questions? \(DOI Only\)](#)

**Need access to Refuge Documents?**

[Online Document Database \(ServCat\)](#)

**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](#)

**From:** [Martin, John](#)  
**To:** [Wendy Loya](#); [John Trawicki](#); [Stephanie Brady](#)  
**Subject:** Nat Res Review of NPRA IAP EIS Table 2-3  
**Date:** Friday, April 6, 2018 10:20:48 AM  
**Attachments:** [Nat Res Review NPRA IAP EIS Table RMPs & ROPs 6Apr2018.docx](#)

---

Wendy

Per your request, I have pulled all elements from the BLM BMP/ROP Table relating to the 5 categories discussed yesterday and reformatted into: (1) soils, vegetation and biotic communities; (2) fisheries and water quality; (3) terrestrial mammals in several subcategories; (4) birds; and (5) wilderness recreational values. Additionally, I have added a final category that needs inclusion with the others: (6) restoration and rehabilitation of abandoned oilfields. This formatting will be more conducive for a natural resource management approach and thought-processing. The table is attached below.

I have not conducted any further analyses with existing mitigation measures as identified in 50 CFR 37 or the 1987 *Coastal Plains Report* (Clough et al. 1987) and associated post-1987 studies, pending the Wed scheduled workshop.

Thanks

John

**From:** [Google Calendar](#) on behalf of [Greta Burkart](#)  
**To:** [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)  
**Subject:** Intro to Oil and Gas Stipulations and BMPs  
**Attachments:** [invite.ics](#)

---

Greta Burkart  
has accepted this invitation.

Intro to Oil and Gas Stipulations and BMPs

Purpose: Overview and discussion of Stipulations and BMPs from NPRA aswell as ones identified for 1002 area previously, towards ensuring we aremaking the right science investments in 2018 and prepare for science planningfor 2019 and beyond. The focus will be on wildlife, fish,vegetation/habitat, water, wilderness/recreation and other topics central tothe purposes of the Refuge.

We'll meet in Fairbanks in the FES Conference Room in 110 andopen a phone line for remote participation. We expect to have a handoutwith information from NPRA table 2.3 and FWS documents to work from.

Instant Meeting Audio **65-CIP**

When

Wed Apr 11, 2018 2pm – 4pm Alaska Time

Where

Fairbanks Room 110 Conference Room (map <<https://maps.google.com/maps?q=Fairbanks+Room+110+Conference+Room&hl=en>> )

Calendar

[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)

Who

- [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)  
- organizer
- [stephen\\_arthur@fws.gov](mailto:stephen_arthur@fws.gov)
- [greta\\_burkart@fws.gov](mailto:greta_burkart@fws.gov)
- [paul\\_leonard@fws.gov](mailto:paul_leonard@fws.gov)
- [steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)
- [john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov)
- [louise\\_smith@fws.gov](mailto:louise_smith@fws.gov)
- [doug\\_damberg@fws.gov](mailto:doug_damberg@fws.gov)
- [jennifer\\_reed@fws.gov](mailto:jennifer_reed@fws.gov)
- [roger\\_kaye@fws.gov](mailto:roger_kaye@fws.gov)
- [hollis\\_twitchell@fws.gov](mailto:hollis_twitchell@fws.gov)
- [joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)
- [roy\\_churchwell@fws.gov](mailto:roy_churchwell@fws.gov)
- [drew\\_crane@fws.gov](mailto:drew_crane@fws.gov)
- [christopher\\_latty@fws.gov](mailto:christopher_latty@fws.gov)
- [ted\\_swem@fws.gov](mailto:ted_swem@fws.gov)
- [john\\_w\\_martin@fws.gov](mailto:john_w_martin@fws.gov)
- [stephanie\\_brady@fws.gov](mailto:stephanie_brady@fws.gov)
- [tracy\\_fischbach@fws.gov](mailto:tracy_fischbach@fws.gov)

Invitation from Google Calendar <<https://www.google.com/calendar/>>

You are receiving this email at the account [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov) because you are subscribed for invitation replies on calendar [wendy\\_loya@fws.gov](mailto: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](https://support.google.com/calendar/answer/37135#forwarding)  
<<https://support.google.com/calendar/answer/37135#forwarding>> .

**From:** [Leonard, Paul](#)  
**To:** [Wendy Loya](#)  
**Subject:** Re: FW: Photogrammetry of ANWR 1002 Lands Proposal  
**Date:** Friday, April 6, 2018 12:12:55 PM

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Interesting.

For snow - We do have some LiDAR that they could use for control points.

For Veg - I think the more critical component is how many bands of spectral information can we get and at what resolution?

We can get 8-band worldview images (I think we can task this satellite with existing agreements)

For Hydrography - Should we circle back with NHD about how much improvement they would expect from 5m IFSAR to sub-meter resolution versus the tradeoff of handling the higher res?

On Fri, Apr 6, 2018 at 9:46 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

FYI...

**From:** Laker, Mark <[mark\\_laker@fws.gov](mailto:mark_laker@fws.gov)>  
**Sent:** Friday, April 6, 2018 8:36 AM  
**To:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>  
**Cc:** Nathan Olson <[nathan\\_olson@fws.gov](mailto:nathan_olson@fws.gov)>; John Trawicki <[john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov)>  
**Subject:** Re: Photogrammetry of ANWR 1002 Lands Proposal

I wasn't planning on using ground control for georeferencing, only for accuracy assessment. The proposal was with an orthomosaic in mind. If you want an accurate DSM (+/- 10 cm) that is very feasible with a little more data.

We use a survey grade GPS and IMU to record camera positions. We also place a mobile base station in the area to post process positions with. If you have any lidar of the area we can incorporate that as control and get your desired +/- 10 cm accuracy. If not, we can place about 6 - 8 GCP's and a few scale and get the same.

What was the resolution of the imagery you wanted to acquire? I'm curious what the

projected cost was too?

For future repeat snow depth surveys we have the equipment and fleet aircraft to do this.

thx,

m

On Thu, Apr 5, 2018 at 2:11 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi Mark and Nate,

Had a chance to share your proposal with Chris Larsen at UAF who is going out next week to fly SfM for some preliminary snow depth estimates in the 1002 area. I was excited that your proposal might be the snow-free images we need to make those calculations. Chris's response is that to get at snow depth, which might need to be at least 15 cm to allow winter tundra travel, the methods you propose would not be sufficiently accurate. Do you think what he suggests is possible for your proposed flight? I would be happy to coordinate a call with Chris and you all if needed, or convey his contact info so you could talk directly.

Forwarded message from Chris:

Hi Wendy,

Thanks for sharing. Our SfM approach uses direct georeferencing, meaning each photo has a position that gets bundled into the analysis. We end up with +/- 10 cm accuracy in our products (verified with co-collected lidar), with 10-20 cm pixel size. The approach outlined in this proposal appears to rely on ground control points for georeferencing, with the accuracy on the order of 2 m or better for the final products. For the thin snow packs that we're used to working with on the north slope, we need the +/- 10 cm level products.

-Chris

Dr. Wendy M. Loya, Coordinator

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Office of Science Applications -Arctic Program

US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.277.2942 (mobile)

**From:** Olson, Nathan <[nathan\\_olson@fws.gov](mailto:nathan_olson@fws.gov)>

**Sent:** Wednesday, April 4, 2018 3:22 PM

**To:** John Trawicki <[john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov)>; Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>

**Subject:** Fwd: Photogrammetry of ANWR 1002 Lands Proposal

Mark Laker SFM proposal for 1002. Contact Mark with technical questions.

Nathan Olson

Alaska Regional Aviation Manager

[1011 E Tudor Rd](#) MS225

Anchorage, AK 99503-6119

907-786-3368 (Anchorage)

907-331-9479 (Cell)

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

**From:** Laker, Mark <[mark\\_laker@fws.gov](mailto:mark_laker@fws.gov)>

**Date:** Mon, Apr 2, 2018 at 3:32 PM

**Subject:** Photogrammetry of ANWR 1002 Lands Proposal

**To:** Nathan Olson <[nathan\\_olson@fws.gov](mailto:nathan_olson@fws.gov)>

**Cc:** John Morton <[John\\_M\\_Morton@fws.gov](mailto:John_M_Morton@fws.gov)>

Here is a basic proposal to photograph the 1002 lands with the Commander.

thx,

m

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Mark Laker - Ecologist

Kenai National Wildlife Refuge

(907) 260-2809 phone

(907) 398-9589 cell

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Mark Laker - Ecologist

Kenai National Wildlife Refuge

(907) 260-2809 phone

(907) 398-9589 cell

--

Paul Leonard, PhD

Science Coordinator

[Arctic LCC](#)

101 12th Ave. Room 216

Fairbanks, AK 99701

(907) 456-0445

**From:** [Wendy Loya](#)  
**To:** [Mary Colligan](#)  
**Cc:** [Patrick Lemons](#)  
**Subject:** RE: FYI: Intro to Oil and Gas Stipulations and BMPs meeting in Fairbanks next Wednesday  
**Date:** Friday, April 6, 2018 2:53:32 PM  
**Attachments:** [Nat Res Categories for NPRA IAP EIS Table RMPs ROPs 6Apr2018.docx](#)

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Hi Mary,

I sent the invite for next Wednesday's meeting to you and Patrick. Given that you all identified Ryan Wilson for the EIS, he would be a good choice for joining the meeting/call, also because I know he is familiar with NPRA stipulations from his past life as a caribou biologist and could contribute broadly to the discussion ☺ Whoever might join can call in, or if you wanted to send folks up to Fairbanks for the day, that would be great. Let me know if I can provide more information.

I will attach the document that John Martin made to re-organize the Stips and BMPs by subject matter categories, and you can get a sense of how we will walk through the discussion on how that stip might apply in the 1002 area and if we had the science to support it, and start a list of ideas that will guide the conversation when we get to discussing which stips might be in EIS alternatives (a conversation I expect BLM or their contractor will lead with guidance from scoping comments).

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:** Colligan, Mary <[mary\\_colligan@fws.gov](mailto:mary_colligan@fws.gov)>  
**Sent:** Thursday, April 5, 2018 7:30 PM  
**To:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>  
**Cc:** Patrick Lemons <[patrick\\_lemons@fws.gov](mailto:patrick_lemons@fws.gov)>  
**Subject:** Re: FYI: Intro to Oil and Gas Stipulations and BMPs meeting in Fairbanks next Wednesday

Wendy - In addition to Ted and Drew, we would like to have Marine Mammals Management represented. Is participation by phone/video an option?

Thanks

On Thu, Apr 5, 2018 at 12:40 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi Sarena, Mary, Eric, and Mitch,

As an FYI, I am working with John Martin to organize a meeting next Wednesday from 2-4 in Fairbanks to go over the NPRA stipulations and Best Management Practices in the 2013 Final EIS and any different/missing stipulations that were in previous FWS documents for the 1002 area. The purpose is towards ensuring we are making the right science

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investments in 2018 and prepare for science planning for 2019 and beyond, as well as to prep staff for the EIS process. The focus will be on wildlife, fish, vegetation/habitat, water, wilderness/recreation and other topics central to the natural resources purposes of the Refuge, but not including subsistence, contaminants, oil spill etc. in this conversation to simply make sure we can cover topics well enough. We can have a conversation on other topics as needed in the future.

Below is a list of the staff that were invited, but please let me know if you have other staff you would like to attend (or you would like to attend!) and I will forward the invite so they can join in person or by teleconference:

Leonard, Paul  
Christopher Latty  
Doug Damberg  
Drew Crane  
Greta Burkart  
Hollis Twitchell  
Jennifer Reed  
Joanna Fox  
John Trawicki  
Martin, John  
Louise Smith  
Roger Kaye  
Roy Churchwell  
Stephanie Brady \*  
Stephen Arthur \*  
Steve Berendzen  
Ted Swem  
Tracy Fischbach

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)

--

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:** [Sweet, Serena](#)  
**To:** [Wendy Loya](#)  
**Cc:** [Miriam \(Nicole\) Hayes](#); [Stephanie Brady](#); [John Trawicki](#)  
**Subject:** Re: NEPA Training for FWS  
**Date:** Friday, April 6, 2018 3:21:09 PM

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Ok, sounds good. If we can be of any help on specific training needs, please let us know.

Serena Sweet  
Supervisory Planning & Environmental Coordinator  
BLM-Alaska, Resources Division  
Desk: 907-271-4543  
Cell: 907-223-3267

On Fri, Apr 6, 2018 at 12:58 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Thanks Nicole,

I think we were able to get several staff registered in Anchorage and Fairbanks for the Cumulative Effects training. If we can't get something more BLM-alaska related, we'll encourage staff to go do DOI Learn.

Thanks!

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:** Hayes, Miriam (Nicole) <[mnhayes@blm.gov](mailto:mnhayes@blm.gov)>  
**Sent:** Friday, April 6, 2018 12:46 PM  
**To:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>  
**Cc:** Stephanie Brady <[stephanie\\_brady@fws.gov](mailto:stephanie_brady@fws.gov)>; John Trawicki <[john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov)>;  
Serena Sweet <[ssweet@blm.gov](mailto:ssweet@blm.gov)>  
**Subject:** Re: NEPA Training for FWS

Hi Wendy,

I apologize this has not gotten scheduled yet - I will work with Serena to see what she recommends and see if we can get a couple hours blocked out for someone to present to FWS staff during that timeframe.

In the meantime, basic and more topic specific NEPA courses (NEPA Concepts, Writing Effective NEPA documents, Cumulative Effects, etc) are available online at DOI Learn so I recommend that as an important tool available for staff wanting to learn more. There is also still space in that Cumulative Effects training I mentioned on Tuesday. It is being hosted by BLM at the Federal Bldg in Anchorage 4/16-17 and those interested can go into DOI Learn to register.

Nicole

**Nicole Hayes**

Project Coordinator

Bureau of Land Management

[222 W. 7th Avenue #13](#)

[Anchorage, Alaska 99513](#)

Desk: (907) 271-4354

On Thu, Apr 5, 2018 at 10:25 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi Nicole,

I wanted to follow up with the ask if BLM can provide a NEPA training for FWS staff. Regardless of the pathway forward with the preparation of the EIS, our staff would benefit from better understanding the overall process. If we could get something on the calendar in the first two weeks of May, that would be idea before field season and early in the EIS process. Stephanie Brady and I would be happy to work with you in identifying what would work best.

Thanks, hope your travels to DC went smoothly.

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:** [Dunton, Kenneth H](#)  
**To:** [Wendy Loya](#)  
**Subject:** RE: [EXTERNAL] RE: Arctic Refuge 1002 Coastal Resources Assessment  
**Date:** Saturday, April 7, 2018 10:54:17 PM

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Hi Wendy,

Sorry, I got really tied up Thursday unexpectedly. Can we try again this week?

Ken

---

**From:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>  
**Sent:** Thursday, April 05, 2018 11:54 AM  
**To:** Dunton, Kenneth H <[ken.dunton@utexas.edu](mailto:ken.dunton@utexas.edu)>  
**Subject:** RE: [EXTERNAL] RE: Arctic Refuge 1002 Coastal Resources Assessment

Hi Ken,

I am available most of the day today if you want to ring me at 907-786-3532 or tell me what time works for you. I have a meeting 230-330 AK time. I am in a workshop all day Friday.

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:** Dunton, Kenneth H <[ken.dunton@utexas.edu](mailto:ken.dunton@utexas.edu)>  
**Sent:** Thursday, April 5, 2018 2:56 AM  
**To:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>  
**Subject:** [EXTERNAL] RE: Arctic Refuge 1002 Coastal Resources Assessment

Hi Wendy,

I'm free Thursday and Friday at various times if you are available for a 15 min call.

Thanks!

Ken

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**From:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>  
**Sent:** Thursday, March 22, 2018 1:53 PM

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**To:** Amy Holman <[amy.holman@noaa.gov](mailto:amy.holman@noaa.gov)>; Catherine Coon <[catherine.coon@boem.gov](mailto:catherine.coon@boem.gov)>; Dunton, Kenneth H <[ken.dunton@utexas.edu](mailto:ken.dunton@utexas.edu)>

**Subject:** Arctic Refuge 1002 Coastal Resources Assessment

Hi Ken, Cathy and Amy,

I would like to follow up with each of you with regards to the attached draft of the Coastal Resources Assessment for the 1002 area. Each of you had contacted me to indicate you had additional information to consider, so I would like to make sure to capture your knowledge, thoughts and ideas as I move towards finalizing this for the first iteration of the document. I do expect we will update these periodically as new information becomes available as well as our knowledge about how exploration and development will proceed. For now, our goal is to have all of the assessments available next week for research/budget planning efforts.

Let me know when you have time to talk, or give me a ring. I do expect to be in the office all day today without any scheduled meetings.

Best regards,  
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:** [Brett Parks](#)  
**Cc:** [Karen Murphy](#); [Sarena Selbo](#); [Joshua Bradley](#); [Paul Leonard](#); [Amy Pocewicz](#)  
**Subject:** RE: Content for Spring 18 OSA Newsletter, please provide input/edits by COB 4/6/18  
**Date:** Monday, April 9, 2018 9:35:56 AM  
**Attachments:** [OSA Spring Newsletter 2018 - Content Only - for SA Edits 3.30.18 sm KMsedits \(002\).docx](#)

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Sorry, here is the attachment with my edits

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:** Parks, Brett <[brett\\_parks@fws.gov](mailto:brett_parks@fws.gov)>  
**Sent:** Monday, April 9, 2018 7:26 AM  
**To:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>  
**Cc:** Karen Murphy <[karen\\_a\\_murphy@fws.gov](mailto:karen_a_murphy@fws.gov)>; Sarena Selbo <[sarena\\_selbo@fws.gov](mailto:sarena_selbo@fws.gov)>; Joshua Bradley <[joshua\\_bradley@fws.gov](mailto:joshua_bradley@fws.gov)>; Paul Leonard <[paul\\_leonard@fws.gov](mailto:paul_leonard@fws.gov)>; Amy Pocewicz <[amy\\_pocewicz@fws.gov](mailto:amy_pocewicz@fws.gov)>  
**Subject:** Re: Content for Spring 18 OSA Newsletter, please provide input/edits by COB 4/6/18

Hi Wendy,  
Thanks. I don't see an attachment. I'll still be formatting Monday and Tues. so if there's additional information we should be able to get it in.

Best,

Brett

On Sun, Apr 8, 2018 at 10:51 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi Brett,

Here are my edits for Arctic and a few other general edits added to Karen's edits. Arctic LCC staff are working on our vision for our team/FWS Monday and Tuesday, so I may check back I with you if we want to make further edits. But that doesn't have to happen if you need to move ahead Monday and Tuesday.

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:** Murphy, Karen <[karen\\_a\\_murphy@fws.gov](mailto:karen_a_murphy@fws.gov)>

**Sent:** Thursday, April 5, 2018 9:40 AM

**To:** Selbo, Sarena <[sarena\\_selbo@fws.gov](mailto:sarena_selbo@fws.gov)>

**Cc:** Parks, Brett <[brett\\_parks@fws.gov](mailto:brett_parks@fws.gov)>; FW7 Science Applications Staff <[fw7\\_science\\_applications\\_staff@fws.gov](mailto:fw7_science_applications_staff@fws.gov)>

**Subject:** Re: Content for Spring 18 OSA Newsletter, please provide input/edits by COB 4/6/18

Here are my comments on the newsletter. I think we should be careful to link this to whatever is being sent out to the region in regards to SA staff.

Cheers,  
Karen

*Karen A Murphy*  
*Science Applications*  
*907-786-3501*  
[karen\\_a\\_murphy@fws.gov](mailto:karen_a_murphy@fws.gov)

On Wed, Apr 4, 2018 at 1:44 PM, Selbo, Sarena <[sarena\\_selbo@fws.gov](mailto:sarena_selbo@fws.gov)> wrote:

Couple edits attached - Brett I'd like to see the near final before it is widely shared. Thanks!

On Fri, Mar 30, 2018 at 2:48 PM, Parks, Brett <[brett\\_parks@fws.gov](mailto:brett_parks@fws.gov)> wrote:

Hello All,  
Attached is content for our upcoming newsletter, as discussed at our last staff meeting. Please scan the whole thing, and pay special attention to the bits that are directly related to you. I need edits by the end of next Friday. In the interim, I'm formatting the MailChimp mailing itself (adding photos etc.). If you see underlined bits with no hyperlinks, those will be anchor links in the mailing moving readers through the page (or in the case of the webinars, where I will have a web page or flyer linked).

Thanks for taking a look. Have a great weekend!

Best,

Brett

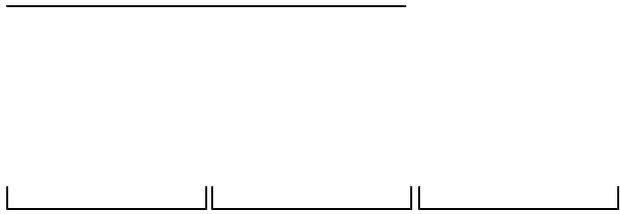
--

**Brett Parks**  
Outreach Specialist

U.S. Fish and Wildlife Service  
Alaska Region/Office of Science Applications

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907-456-0404  
[Brett\\_parks@fws.gov](mailto:Brett_parks@fws.gov)  
101 12th Ave. Rm. 216  
Fairbanks, AK 99701



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Sarena M. Selbo  
Assistant Regional Director  
Science Applications - Alaska Region  
U.S. Fish and Wildlife Service  
[1011 East Tudor Road](#)  
[Anchorage, Alaska 99503](#)  
[907-786-3380](#)

--  
Brett Parks  
Outreach Specialist

U.S. Fish and Wildlife Service  
Alaska Region/Office of Science Applications



907-456-0404  
[Brett\\_parks@fws.gov](mailto:Brett_parks@fws.gov)  
101 12th Ave. Rm. 216  
Fairbanks, AK 99701



**From:** [Boario, Sara](#)  
**To:** [Wendy Loya](#)  
**Cc:** [Andrea Medeiros](#)  
**Subject:** Re: Conf number for Monday 930am call on 1002 # 866-882-2026 #9217398  
**Date:** Monday, April 9, 2018 11:47:02 AM  
**Attachments:** [Facebook Logo for Email Signature Block.png](#)  
[DTS 1970 Communications Plan NOI BLM.docx](#)

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great. talk to you guys soon. just a reminder that this BLM comms plan for the NOI may hold some useful talking points, etc for us to consider.

sb

On Mon, Apr 9, 2018 at 7:38 AM, Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)> wrote:

10 is fine

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 Apr 9, 2018, at 07:36, Boario, Sara <[sara\\_boario@fws.gov](mailto:sara_boario@fws.gov)> wrote:

awesome. thanks wendy. also just realized, andrea may need until 10am ak time because she will be in RDT. Sorry not to think of that sooner. I'll be flexible today to make it work.

talk to you soon.

sb

On Sun, Apr 8, 2018 at 10:04 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Since Sara is in CA, Wendy in Fairbanks and Andrea Anchorage (?) we can use the Arctic LCC conference line for our initial discussion on 1002 area messaging.

# b5-CIP

Wendy

Dr. Wendy M. Loya, Coordinator

Office of Science Applications -Arctic Program

US Fish and Wildlife Service

0000007849

Anchorage, Alaska

907.786.3532 (office)

907.277.2942 (mobile)

--

Sara D. Boario  
Assistant Regional Director-External Affairs  
U.S. Fish and Wildlife Service, Alaska Region  
Anchorage, Alaska  
907-786-3431

[<Facebook\\_Logo for Email Signature Block.png>](#) [<twitter-icon Signature Block.jpg>](#)

--

Sara D. Boario  
Assistant Regional Director-External Affairs  
U.S. Fish and Wildlife Service, Alaska Region  
Anchorage, Alaska  
907-786-3431



**From:** [Wendy Loya](#)  
**To:** [Joanna Fox](#)  
**Subject:** FW: Conf number for Monday 930am call on 1002 # **b5-CIP**  
**Date:** Monday, April 9, 2018 11:53:39 AM  
**Attachments:** [DTS\\_1970 Communications Plan NOI\\_BLM.docx](#)

---

I'll be by in a few minutes 😊  
Thanks for your flexibility with this last minute request

**From:** Boario, Sara <[sara\\_boario@fws.gov](mailto:sara_boario@fws.gov)>  
**Sent:** Monday, April 9, 2018 9:47 AM  
**To:** Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>  
**Cc:** Andrea Medeiros <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)>  
**Subject:** Re: Conf number for Monday 930am call on 1002 # 866-882-2026 #9217398

great. talk to you guys soon. just a reminder that this BLM comms plan for the NOI may hold some useful talking points, etc for us to consider.

sb

**From:** [Wendy Loya](#)  
**To:** [Andrea Medeiros](#); [Sara Boario](#)  
**Subject:** FW: FWS\_Arctic Refuge\_Weekly\_POC\_Updates

---

Hi Andrea (and Sara)

We have an internal FWS discussion on the 1002 program on Wednesday at 1pm each week. It would be good for at least Andrea to attend this week if she is available to follow up on today's call and also for her to get a sense of what we are talking about/working on towards helping with the comms plan.

Thank you for your help!  
Wendy

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

From: john\_trawicki@fws.gov <john\_trawicki@fws.gov>

Sent: None

To: john\_trawicki@fws.gov; wendy\_loya@fws.gov; eric\_taylor@fws.gov; tracy\_fischbach@fws.gov; drew\_crane@fws.gov; stephanie\_brady@fws.gov; doug\_damberg@fws.gov; socheata\_lor@fws.gov; john\_w\_martin@fws.gov; joanna\_fox@fws.gov; Mitch Ellis; steve\_berendzen@fws.gov

Subject: FWS\_Arctic Refuge\_Weekly\_POC\_Updates

When: Wednesday, April 11, 2018 1:00 PM-2:00 PM (UTC-09:00) Alaska.

Where: FWS-FW7 NWRS Conference Room/Regional Office

by Vidyo to Refuges Conference Room or call in **b5-CIP**

**From:** [Wendy Loya](#)  
**To:** [John Trawick](#); [John Martin](#); [Doug Damberg](#); [Stephanie Brady](#); [Joanna Fox](#); [Socheata Lor](#); [Steve Berendzen](#); [Tracy Fischbach](#); [Mitch Ellis](#); [Drew Crane](#); [Eric Taylor](#); [Mary Colligan](#); [Carl Johnson](#); [Sarena Selbo](#)  
**Cc:** [Sara Boario](#); [Andrea Medeiros](#)  
**Subject:** Anticipated questions to address in 1002 Comms plan?  
**Date:** Monday, April 9, 2018 1:07:07 PM

---

Hi 1002 team and colleagues,

I have created a Google doc to collate questions you have been asked or anticipate being asked about the 1002 EIS and Oil and Gas Program with regards to FWS, the natural resources and Arctic Refuge overall. This info will help guide our FWS External Affairs staff in working with HQ on a communications plan. I would say to focus on the immediate needs of outreach to communities/public and responding to inquiries during public scoping after the NOI is released. BLM and DOI will take the lead on communications related to the EIS, so that is one talking point we can flesh out so it is clear to everyone regardless of their involvement in the process.

<https://docs.google.com/document/d/1jj2MeLMw1aG3MbGrGY4NwyjyhoFBgDJAwP4vL4UQVV4/edit?usp=sharing>

Joanna and I will circle back with Andrea and Sara mid-week, so please participate if you wish to as soon as possible.

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:** [Crane, Drew](#)  
**Subject:** Re: Invitation: Intro to Oil and Gas Stipulations and BMPs @ Wed Apr 11, 2018 2pm - 4pm (AKDT) (drew\_crane@fws.gov)  
**Date:** Monday, April 9, 2018 3:24:44 PM

---

This is Wildlife focused look at it. Welcome back :)

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 Apr 9, 2018, at 13:07, Crane, Drew <[drew\\_crane@fws.gov](mailto:drew_crane@fws.gov)> wrote:

Hey Wendy,

Is this different than the meeting we had with BLM where they walked through the various stips they use for NPRA?

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 Thu, Apr 5, 2018 at 11:56 AM, Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)> wrote:

**Intro to Oil and Gas Stipulations and BMPs**

[more details »](#)

Purpose: Overview and discussion of Stipulations and BMPs from NPRA aswell as ones identified for 1002 area previously, towards ensuring we aremaking the right science investments in 2018 and prepare for science planningfor 2019 and beyond. The focus will be on wildlife, fish,vegetation/habitat, water, wilderness/recreation and other topics central tothe purposes of the Refuge.

We'll meet in Fairbanks in the FES Conference Room in 110 andopen a phone line for remote participation. We expect to have a handoutwith information from NPRA table 2.3 and FWS documents to work from.

Instant Meeting Audio # **65-CIP**

When Wed Apr 11, 2018 2pm – 4pm Alaska Time

Where Fairbanks Room 110 Conference Room ([map](#))

Calendar [drew\\_crane@fws.gov](mailto:drew_crane@fws.gov)

- Who
- [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov) - organizer
  - [john\\_w\\_martin@fws.gov](mailto:john_w_martin@fws.gov)
  - [hollis\\_twitchell@fws.gov](mailto:hollis_twitchell@fws.gov)
  - [jennifer\\_reed@fws.gov](mailto:jennifer_reed@fws.gov)
  - [roger\\_kaye@fws.gov](mailto:roger_kaye@fws.gov)
  - [louise\\_smith@fws.gov](mailto:louise_smith@fws.gov)
  - [joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)
  - [drew\\_crane@fws.gov](mailto:drew_crane@fws.gov)
  - [christopher\\_latty@fws.gov](mailto:christopher_latty@fws.gov)
  - [paul\\_leonard@fws.gov](mailto:paul_leonard@fws.gov)
  - [stephen\\_arthur@fws.gov](mailto:stephen_arthur@fws.gov)
  - [greta\\_burkart@fws.gov](mailto:greta_burkart@fws.gov)
  - [doug\\_damberg@fws.gov](mailto:doug_damberg@fws.gov)
  - [ted\\_swem@fws.gov](mailto:ted_swem@fws.gov)
  - [steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)
  - [roy\\_churchwell@fws.gov](mailto:roy_churchwell@fws.gov)
  - [john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov)

Going? [Yes](#) - [Maybe](#) - [No](#) [more options »](#)

Invitation from [Google Calendar](#)

You are receiving this email at the account [drew\\_crane@fws.gov](mailto:drew_crane@fws.gov) because you are subscribed for invitations on calendar [drew\\_crane@fws.gov](mailto:drew_crane@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](#).

**From:** [Wendy Loya](#)  
**To:** [drew\\_crane@fws.gov](mailto:drew_crane@fws.gov)  
**Cc:** [Miriam \(Nicole\) Hayes](#)  
**Subject:** Fwd: 1002 and Polar Bears  
**Date:** Tuesday, April 10, 2018 7:45:56 AM

---

Hi Drew,

I know you are just back in the office, but can you please follow up with Nicole per her email below regarding follow up with Peg Ramanik? If you can cc me or just let me know by email or chat that you did that would be great. Nicole is in DC this week so we don't have our weekly meeting with BLM today.

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:** "Miriam (Nicole) Hayes" <[mnhayes@blm.gov](mailto:mnhayes@blm.gov)>  
**Date:** April 10, 2018 at 02:41:55 AKDT  
**To:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>  
**Cc:** John Pearce <[jpearce@usgs.gov](mailto:jpearce@usgs.gov)>  
**Subject:** Re: 1002 and Polar Bear Information Needs

Hi Wendy,  
Did you hear if Drew had heard back from Peg Ramanik on this issue?  
Nicole

Sent from my iPad

**From:** [Google Calendar](#) on behalf of [Louise Smith](#)  
**To:** [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)  
**Subject:** 1002 stuff  
**Attachments:** [invite.ics](#)

---

Louise Smith  
has accepted this invitation.

1002 stuff

When  
Tue Apr 10, 2018 1:30pm – 2:30pm Alaska Time  
Where  
Suite 216 Fairbanks FWS office (map <[https://maps.google.com/maps?q=Suite 216 Fairbanks FWS office&hl=en](https://maps.google.com/maps?q=Suite+216+Fairbanks+FWS+office&hl=en)> )  
Video call

**b5-CIP**

Calendar  
[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)

Who  
• [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)  
- organizer  
• Louise Smith

Invitation from Google Calendar <<https://www.google.com/calendar/>>

You are receiving this email at the account [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov) because you are subscribed for invitation replies on calendar [wendy\\_loya@fws.gov](mailto: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 <https://support.google.com/calendar/answer/37135#forwarding>](https://support.google.com/calendar/answer/37135#forwarding) .

**From:** [Jess Grunblatt](#)  
**To:** [Wendy Loya](#)  
**Subject:** [EXTERNAL] Re: veg mapping for 1002  
**Date:** Tuesday, April 10, 2018 12:28:50 PM

---

Hi Wendy,

Jeanne Osnas will be pulling together our thoughts on this and you should be hearing from her about integrating the veg ecology into the analysis to better describe habitat suitability and also inform the remote sensing specialists' sample and mapping design. My main recommendation on the RS side was to let users drive the mapping categories and let the contractor recommend imagery/analysis that best meets those needs (spatial and thematic resolution). You might want to consider manual delineations to identify high value areas such as riparian zones, wetlands (NHD), coastal marshes.

I mentioned to Sara about NSSI supporting the mapping through ancillary data such as NHD (if that can be used in the analysis).

Jess

On Tue, Apr 10, 2018 at 10:07 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi Jess and Matt,

Janet and I will be meeting on Thursday to move ahead with a Statement of Work for an updated veg map for the Arctic Refuge Coastal Plain and it would be great to have your input by then.

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)

--

**Jess Grunblatt**

Research Professional  
Alaska Center for Conservation Science (ACCS)  
University of Alaska Anchorage,  
Beatrice McDonald Hall - Rm 112  
3211 Providence Dr., Anchorage, Alaska 99508  
[jgrunbla@alaska.edu](mailto:jgrunbla@alaska.edu)  
Office:(907) 786 6353  
Cell: (907) 244 2435

**From:** [Francisca Gutierrez](#)  
**To:** [FW7 All Users-dynamic](#)  
**Cc:** [Francisca Gutierrez](#)  
**Subject:** RDT Meeting Notes - This Week (4-9-18)  
**Date:** Tuesday, April 10, 2018 1:16:38 PM  
**Attachments:** [RDT Notes 4-9-18.pdf](#)

---

Good Morning,

Attached are the RDT Meeting Notes as reported/submitted by the RDT. Have a great day.

v/r  
Francisca Gutierrez  
907-786-3542  
Acting Executive Assistant  
Regional Director's Office

**From:** [Martin, John](#)  
**To:** [Wendy Loya](#)  
**Cc:** [John Trawicki](#); [Stephanie Brady](#)  
**Subject:** Re: Nat Res Review of NPRA IAP EIS Table 2-3  
**Date:** Tuesday, April 10, 2018 3:37:24 PM  
**Attachments:** [Summary Mitigation Recommendations for Coastal Plain 1002 Area 1987.docx](#)  
[Nat Res Review NPRA IAP EIS Table RMPs & ROPs 6Apr2018.docx](#)

---

Wendy

Per our phone discussion just now, please find attached relevant documents for tomorrow.

John

On Tue, Apr 10, 2018 at 1:24 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

John,

I feel it is important that we talk about the meeting tomorrow, and you not responding to my email invitation below with times suggested or suggesting alternative times. I left a voicemail today also trying to connect. I am not comfortable co-leading a meeting where we don't have a plan, and risk having busy people assembled without a clear direction for getting to the goals. I will make preparations to lead the meeting based off the document you shared with the NPRA stipulations organized by natural resource subject. If you have prepared other materials for the 1002 that you want to share today or call me after 230pm (I have a meeting 130-230), I welcome collaboration on how to lead the meeting.

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:** Martin, John <[john\\_w\\_martin@fws.gov](mailto:john_w_martin@fws.gov)>  
**Sent:** Tuesday, April 10, 2018 11:56 AM  
**To:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>  
**Cc:** John Trawicki <[john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov)>; Stephanie Brady <[stephanie\\_brady@fws.gov](mailto:stephanie_brady@fws.gov)>  
**Subject:** Re: Nat Res Review of NPRA IAP EIS Table 2-3

Wendy

Yes, I believe a review of the 1002-specific mitigation/BMPs is in order as well as other data in a cross-reference manner with BMPs for the NPRA.

I do not believe anything will be resolved tomorrow but rather an introductory dialogue for critical thinking for 1002-specific mitigation and BMPs to assure the Refuge mission and management consideration for key species.

John

On Mon, Apr 9, 2018 at 8:56 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi John,

I had a chance to look at the information you compiled from the NPRA table 2.3, and this is very helpful. I think we can move ahead with this document in directing the conversation on Wednesday. Please tell me if you still plan to evaluate the past Arctic Refuge recommendations, I am not clear if you plan to do so. If you think it is helpful I support that, but if you think additional ideas can be brought up through discussion that is fine also. Do you want to talk by phone Tuesday at 9 am or 11am to flesh out an agenda/plan for the Wednesday discussion?

I am in Fairbanks, and can be reached by phone this week 227-2942 or my office number is forwarded: x3532

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:** Martin, John <[john\\_w\\_martin@fws.gov](mailto:john_w_martin@fws.gov)>

**Sent:** Friday, April 6, 2018 8:21 AM

**To:** Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>; John Trawicki <[john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov)>; Stephanie Brady <[stephanie\\_brady@fws.gov](mailto:stephanie_brady@fws.gov)>

**Subject:** Nat Res Review of NPRA IAP EIS Table 2-3

Wendy

Per your request, I have pulled all elements from the BLM BMP/ROP Table relating to the 5 categories discussed yesterday and reformatted into: (1) soils, vegetation and biotic communities; (2) fisheries and water quality; (3) terrestrial mammals in several subcategories; (4) birds; and (5) wilderness recreational values. Additionally, I have added a final category that needs inclusion with the others: (6) restoration and rehabilitation of abandoned oilfields. This formatting will be more conducive for a natural resource management approach and thought-processing. The table is attached below.

I have not conducted any further analyses with existing mitigation measures as identified in 50 CFR 37 or the 1987 *Coastal Plains Report* (Clough et al. 1987) and associated post-1987 studies, pending the Wed scheduled workshop.

Thanks

John

**From:** [Jeanne Osnas](#)  
**To:** [Matthew Carlson](#); [M. Anjanette Steer](#)  
**Cc:** [Wendy Loya](#); [Jesse Grunblatt](#)  
**Subject:** [EXTERNAL] Re: veg mapping for 1002  
**Date:** Tuesday, April 10, 2018 5:13:42 PM  
**Attachments:** [1002-LandCoverMapSOW-Draft ACCS revision 10April2018.docx](#)

---

Hi Wendy,

We've revised the scope of work that you and Janet put together, hopefully clarifying the flow of the work, pieces it should integrate, and junctures where collaboration between FWS, remote sensing/GIS analysis teams and ecologists/botanists will be useful. Let us know if you'd like additional help adding more detail to specific sections of the document. We look forward to continuing conversations with you about ANWR vegetation work.

--Jeanne

On Tue, Apr 10, 2018 at 11:09 AM, Matthew Carlson <[mlcarlson@alaska.edu](mailto:mlcarlson@alaska.edu)> wrote:

Hello Wendy –

Jeanne just mentioned this morning that she was integrating in Jess's part this morning and would be sending it out shortly.

Thanks!

-Matt

Matthew L. Carlson, Ph.D.

Director

Alaska Center for Conservation Science

University of Alaska Anchorage

[3211 Providence Drive](#)

[Anchorage, Alaska 99508](#)

[\(907\) 786-6390](tel:(907)786-6390)

---

**From:** Wendy Loya [mailto:[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)]  
**Sent:** Tuesday, April 10, 2018 10:08 AM  
**To:** Jess Grunblatt <[jgrunbla@alaska.edu](mailto:jgrunbla@alaska.edu)>; [mlcarlson@uaa.alaska.edu](mailto:mlcarlson@uaa.alaska.edu)

**Subject:** veg mapping for 1002

Hi Jess and Matt,

Janet and I will be meeting on Thursday to move ahead with a Statement of Work for an updated veg map for the Arctic Refuge Coastal Plain and it would be great to have your input by then.

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:** [Paul Leonard](#); [John Trawicki](#); [Drew Crane](#); [Stephen Arthur](#)  
**Cc:** [Joanna Fox](#)  
**Subject:** FW: ConocoPhillips Caribou Presentation at BLM Wednesday April 11 at 1:30PM  
**Date:** Tuesday, April 10, 2018 5:26:51 PM  
**Attachments:** [Webex Instructions.docx](#)  
[CPAI Caribou Webex Invite.docx](#)

---

Dear 1002 team members,  
Please share with other staff that might be specifically interested...  
ConocoPhillips Caribou Presentation for BLM Wednesday April 11 at 1:30PM

There is a presentation tomorrow by Conoco Phillips to BLM on their north slope caribou work. The webinar information is attached. It looks like it begins at 130pm and likely runs 2 hrs. That would overlap with our internal discussion about BMPs from 2-4. I think both are valuable, so if you would like to attend the Conoco presentation, will you please take good notes and report back by email or during the next 1002 meeting?

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:** Nigro, Debora <[dnigro@blm.gov](mailto:dnigro@blm.gov)>  
**Sent:** Tuesday, April 10, 2018 3:18 PM  
**To:** Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>  
**Subject:** ConocoPhillips Caribou Presentation at BLM Tuesday April 11 at 1:30PM

Hi Wendy,

Shelly is traveling and so we were not sure who from FWS in Anchorage she had invited to attend tomorrow's ConocoPhillips presentation on caribou research on the north slope. Would you please forward this message to whomever you feel might want to attend the presentation? Please see information attached below regarding the webex.

Thank you very much,

Debbie

--  
Debbie Nigro  
Bureau of Land Management  
222 University Ave.  
Fairbanks, AK 99709

0000007866

907-474-2324  
[dnigro@blm.gov](mailto:dnigro@blm.gov)

**From:** [Wendy Loya](#)  
**To:** [Janet Jorgenson](#); [Paul Leonard](#); [Joshua Rose](#); [Elizabeth Powers](#); [Diane Granfors](#); [John Trawicki](#)  
**Subject:** FW: [EXTERNAL] Re: veg mapping for 1002  
**Date:** Tuesday, April 10, 2018 5:34:35 PM  
**Attachments:** [1002-LandCoverMapSOW-Draft\\_ACCS\\_revision\\_10April2018.docx](#)

---

Dear FWS colleagues,

Attached is a SOW that AK Center for Conservation Science shared with us as a model for how we might want to proceed with a Scope of Work. I have not looked it carefully and am not advocating for this approach by sharing it, but am grateful for their time to try to capture what we talked about and lend their expertise. Have a look and please provide any feedback to Janet and I by Thursday COB, or if you would like to discuss, don't hesitate to call Janet ☺ We should try to get to a final SOW by Monday if possible so we can move ahead with funding process (we can pursue either a contract or see if we can get approval for financial assistance agreement.

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:** Jeanne Osnas <[jlosnas@alaska.edu](mailto:jlosnas@alaska.edu)>  
**Sent:** Tuesday, April 10, 2018 3:11 PM  
**To:** Matthew Carlson <[mcarlson@alaska.edu](mailto:mcarlson@alaska.edu)>; M. Anjanette Steer <[masteer@alaska.edu](mailto:masteer@alaska.edu)>  
**Cc:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>; Jesse Grunblatt <[jgrunbla@alaska.edu](mailto:jgrunbla@alaska.edu)>  
**Subject:** [EXTERNAL] Re: veg mapping for 1002

Hi Wendy,

We've revised the scope of work that you and Janet put together, hopefully clarifying the flow of the work, pieces it should integrate, and junctures where collaboration between FWS, remote sensing/GIS analysis teams and ecologists/botanists will be useful. Let us know if you'd like additional help adding more detail to specific sections of the document. We look forward to continuing conversations with you about ANWR vegetation work.

--Jeanne

On Tue, Apr 10, 2018 at 11:09 AM, Matthew Carlson <[mcarlson@alaska.edu](mailto:mcarlson@alaska.edu)> wrote:

Hello Wendy –  
Jeanne just mentioned this morning that she was integrating in Jess's part this morning and would be sending it out shortly.  
Thanks!

-Matt

Matthew L. Carlson, Ph.D.  
Director  
Alaska Center for Conservation Science  
University of Alaska Anchorage  
[3211 Providence Drive](#)  
[Anchorage, Alaska 99508](#)  
[\(907\) 786-6390](#)

---

**From:** Wendy Loya [mailto:[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)]  
**Sent:** Tuesday, April 10, 2018 10:08 AM  
**To:** Jess Grunblatt <[jgrunbla@alaska.edu](mailto:jgrunbla@alaska.edu)>; [mlcarlson@uaa.alaska.edu](mailto:mlcarlson@uaa.alaska.edu)  
**Subject:** veg mapping for 1002

Hi Jess and Matt,

Janet and I will be meeting on Thursday to move ahead with a Statement of Work for an updated veg map for the Arctic Refuge Coastal Plain and it would be great to have your input by then.

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:** [Smith, Louise](#)  
**To:** [Loya, Wendy](#)  
**Date:** Tuesday, April 10, 2018 6:28:08 PM  
**Attachments:** [Habitat BMPs for 1002 area.docx](#)  
[Mine Site Development and Restoration for 1002 Area.docx](#)

---

Wendy - It was good to speak with you this afternoon. Attached are the BMPs we use for north slope oil and gas development. The bird nesting window on the North Slope is from 1 June - 30 August. It is a happy coincidence that it usually is easier to build roads and pads in the winter. The National Park Service is a good entity to speak with in regard to viewsapes. I will look up what we did for Pt. Thomson.

Also, dust and sheetflow are important long-term aspects regarding development which are not given enough consideration as to impacts let alone possible abatement. In an attempt to consider the impacts to habitats/vegetation from a long, linear structure such as a road, we (the Service and EPA) convinced the Corps (and their contractor) for the Nanushuk project to consider (measure) the impacts associated with edge-effects (the proposed road crossing into and out of individual habitats). Impact assessments only use total acreages (of a particular habitat/veg type) when identifying impacts related to gravel fill. In the case of a long-linear structure it is not only the total acreage that matters in that the road also is impacting the "edge effect" of habitats. This comes into play when a "roadless" design (airstrip and pad) vs a road and pad are compared. Quite often the overall acreage of the airstrip is more than the road, however, the bisection of different habitats usually is much greater (and not considered) with the road. In other words, roads have much greater impacts than we are currently measuring.

Good luck tomorrow, I am sure it will be an interesting meeting. I am sorry to miss it!

- Louise

Fish and Wildlife Biologist  
Planning and Consultation Branch  
Fairbanks Fish and Wildlife Field Office  
U.S. Fish and Wildlife Field Office  
101 12th Ave., Rm 110  
Fairbanks, AK 99701

907-456-0306

[Louise\\_Smith@fws.gov](mailto:Louise_Smith@fws.gov)

**From:** [Wendy Loya](#)  
**To:** [Randy Brown](#)  
**Subject:** FW: Handouts for today's discussion on Oil and Gas Stipulations and BMPs  
**Date:** Wednesday, April 11, 2018 10:23:03 AM  
**Attachments:** [NPRA IAP EIS Table 2.3 Stips and BMPs by Resource.docx](#)  
[1987 Summary Mitigation Recommendations for Coastal Plain 1002 Area.docx](#)  
[FWS Habitat BMPs for north slope 041128.docx](#)  
[FWS-ES Mine Site Development and Restoration BMPs for north slope 041118.docx](#)

---

Good morning,

Attached are 4 documents that we will use to guide today's discussion from 2-4 pm around Stipulations and Best Management Practices (BMPs) can be used to avoid or mitigate impacts to natural resources during exploration and development on the North Slope. **Please print a copy or bring your computer with you to the discussion.**

They include:

1. NPRA IAP EIS Table 2.3 Stips and BMPs by Resource: Now organized by natural resource subject to more easily find relevant measures (from John Martin)
2. FWS-ES Habitat BMPs for North Slope: Provided by Louise Smith in Ecological Services, these are the BMPs FWS uses in collaboration with Army Corps of Engineers for development projects on the North Slope
3. FWS-ES Mine Site Development and Restoration BMPs for north slope: as above, but for gravel mines
4. 1987 Summary Mitigation Recommendations for Coastal Plain 1002 Area: extracted from Clough et al. 1987 FEIS for Coastal Plain (from John Martin)

We are focusing on Stipulations/BMPs that most directly affect Fish and Wildlife and their habitats; there are numerous other measures to protect the environment that are important, but we won't have time to discuss them all today. Our goals are: to be familiar with these and how they are used; ensure we have the right information to support implementation at the right time; compile questions we have about them to seek additional input from experts at BLM, DNR, ADFG, Industry, etc..

Talk to you all soon,  
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:** [Fischbach, Tracy](#)  
**To:** [Eric Taylor](#); [Socheata Lor](#); [Wendy Loya](#); [Drew Crane](#); [Steve Berendzen](#)  
**Cc:** [Ronnie Sanchez](#); [Maria Romero](#); [Stephanie Brady](#); [John Trawicki](#); [Mitch Ellis](#)  
**Subject:** Fwd: The Draft Letter  
**Date:** Wednesday, April 11, 2018 5:56:33 PM  
**Attachments:** [Cooperation\\_response\\_20180409.docx](#)

---

Hi all,

The BLM has sent a letter inviting FWS to be a cooperating agency in the Coastal Plain Oil & Gas Program EIS. Attached is our latest "cleaned up" version of the response letter to BLM. Our due date is COB today. That said, I know that folks are out today, so our goal is to get this out as soon as we can in the morning. I am planning to make changes first thing, like around 7, and then will route for surnaming.

Thanks all,

-Tracy

Tracyann S Fischbach  
Natural Resources Planner  
National Wildlife Refuge System - Region 7  
Division of Natural Resources & Conservation Planning  
(907) 786-3369

Hours: Mon - Thurs 6:30 am to 4:00 pm; Friday 9:00 am - 1:00 pm  
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**From:** **Romero, Maria** <[maria\\_romero@fws.gov](mailto:maria_romero@fws.gov)>  
**Date:** Wed, Apr 11, 2018 at 3:37 PM  
**Subject:** The Draft Letter  
**To:** "Fischbach, Tracy" <[tracy\\_fischbach@fws.gov](mailto:tracy_fischbach@fws.gov)>  
**Cc:** Ronnie Sanchez <[ronnie\\_sanchez@fws.gov](mailto:ronnie_sanchez@fws.gov)>

Here you are, my dear Tracy for Mary and Eric.

**Gracias,**  
Toni Romero  
Executive Assistant to the Chief of Refuges  
National Wildlife Refuge System  
U.S. Fish and Wildlife Service  
1011 East Tudor Rd , Mail Stop 225  
Anchorage, Alaska 99503  
**Telephone:** (907) 786-3354 | **Fax:** (907) 786-3998  
**e-mail:** [maria\\_romero@fws.gov](mailto:maria_romero@fws.gov)

**From:** [Taylor, Eric](#)  
**To:** [Fischbach, Tracy](#)  
**Cc:** [Socheata Lor](#); [Wendy Loya](#); [Drew Crane](#); [Steve Berendzen](#); [Ronnie Sanchez](#); [Maria Romero](#); [Stephanie Brady](#); [John Trawick](#); [Mitch Ellis](#)  
**Subject:** Re: The Draft Letter  
**Date:** Wednesday, April 11, 2018 7:41:52 PM  
**Attachments:** [Cooperation\\_response\\_20180409\\_ejt.docx](#)

---

Hi Tracy -

Thank you for forwarding the draft letter. The attached review contains some suggested edits and a request to change the number of nesting shorebirds on the Refuge Coastal Plain 1002 area from ".. more than two dozen shorebird species..." to 18.

Cheers.

Eric

Eric J. Taylor  
Chief, Division of Migratory Bird Management  
U.S. Fish and Wildlife Service  
1011 E. Tudor Road, MS 201  
Anchorage, Alaska 99503-6199  
907.786.3446 (office)  
907.903.7210 (cell)  
[eric\\_taylor@fws.gov](mailto:eric_taylor@fws.gov)

On Wed, Apr 11, 2018 at 3:56 PM, Fischbach, Tracy <[tracy\\_fischbach@fws.gov](mailto:tracy_fischbach@fws.gov)> wrote:

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Thanks all,

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e-mail: [maria\\_romero@fws.gov](mailto:maria_romero@fws.gov)

**From:** [Wendy Loya](#)  
**To:** [Tracy Fischbach](#); [Eric Taylor](#)  
**Cc:** [Socheata Lor](#); [Drew Crane](#); [Steve Berendzen](#); [Doug Damberg](#); [Maria Romero](#); [Stephanie Brady](#); [John Trawicki](#); [Mitch Ellis](#); [Ronnie Sanchez](#)  
**Subject:** RE: The Draft Letter  
**Date:** Thursday, April 12, 2018 10:31:29 AM  
**Attachments:** [Cooperation\\_response\\_20180409\\_ejt\\_wml.docx](#)

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Here are some additional edits, I did move things around a little to keep ANILCA sections together 😊  
See comment regarding management of the 5<sup>th</sup> purpose of the Refuge.

Thanks Tracy!  
Wendy

Dr. Wendy M. Loya, Coordinator  
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**Sent:** Thursday, April 12, 2018 6:52 AM  
**To:** Taylor, Eric <[eric\\_taylor@fws.gov](mailto:eric_taylor@fws.gov)>  
**Cc:** Socheata Lor <[socheata\\_lor@fws.gov](mailto:socheata_lor@fws.gov)>; Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>; Drew Crane <[drew\\_crane@fws.gov](mailto:drew_crane@fws.gov)>; Steve Berendzen <[Steve\\_Berendzen@fws.gov](mailto:Steve_Berendzen@fws.gov)>; Ronnie Sanchez <[ronnie\\_sanchez@fws.gov](mailto:ronnie_sanchez@fws.gov)>; Maria Romero <[maria\\_romero@fws.gov](mailto:maria_romero@fws.gov)>; Stephanie Brady <[stephanie\\_brady@fws.gov](mailto:stephanie_brady@fws.gov)>; John Trawicki <[John\\_Trawicki@fws.gov](mailto:John_Trawicki@fws.gov)>; Mitch Ellis <[Mitch\\_Ellis@fws.gov](mailto:Mitch_Ellis@fws.gov)>  
**Subject:** Re: The Draft Letter

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Cheers.

Eric

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Subject: The Draft Letter

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Cc: Ronnie Sanchez <[ronnie\\_sanchez@fws.gov](mailto:ronnie_sanchez@fws.gov)>

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**e-mail:** [maria\\_romero@fws.gov](mailto:maria_romero@fws.gov)

**From:** [Fischbach, Tracy](#)  
**To:** [Wendy Loya](#)  
**Cc:** [John Trawicki](#)  
**Subject:** Re: The Draft Letter  
**Date:** Thursday, April 12, 2018 10:36:46 AM

---

Thank you. I hope to get Soch's comments this morning and then get it moving. I think Greg will have comments as well, so I'm not sure when we'll be able to finalize. Hopefully be tomorrow.

-Tracy

Tracyann S Fischbach  
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On Thu, Apr 12, 2018 at 8:31 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Here are some additional edits, I did move things around a little to keep ANILCA sections together  
☺ See comment regarding management of the 5<sup>th</sup> purpose of the Refuge.

Thanks Tracy!

Wendy

Dr. Wendy M. Loya, Coordinator

Office of Science Applications -Arctic Program

US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

0000007878

907.277.2942 (mobile)

**From:** Fischbach, Tracy <[tracy\\_fischbach@fws.gov](mailto:tracy_fischbach@fws.gov)>

**Sent:** Thursday, April 12, 2018 6:52 AM

**To:** Taylor, Eric <[eric\\_taylor@fws.gov](mailto:eric_taylor@fws.gov)>

**Cc:** Socheata Lor <[socheata\\_lor@fws.gov](mailto:socheata_lor@fws.gov)>; Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>; Drew Crane <[drew\\_crane@fws.gov](mailto:drew_crane@fws.gov)>; Steve Berendzen <[Steve\\_Berendzen@fws.gov](mailto:Steve_Berendzen@fws.gov)>; Ronnie Sanchez <[ronnie\\_sanchez@fws.gov](mailto:ronnie_sanchez@fws.gov)>; Maria Romero <[maria\\_romero@fws.gov](mailto:maria_romero@fws.gov)>; Stephanie Brady <[stephanie\\_brady@fws.gov](mailto:stephanie_brady@fws.gov)>; John Trawicki <[John\\_Trawicki@fws.gov](mailto:John_Trawicki@fws.gov)>; Mitch Ellis <[Mitch\\_Ellis@fws.gov](mailto:Mitch_Ellis@fws.gov)>

**Subject:** Re: The Draft Letter

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Chief, Division of Migratory Bird Management

U.S. Fish and Wildlife Service

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Tracyann S Fischbach

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Gracias,

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**Telephone:** (907) 786-3354 | **Fax:** (907) 786-3998

**e-mail:** [maria\\_romero@fws.gov](mailto:maria_romero@fws.gov)

**From:** [Fischbach, Tracy](#)  
**To:** [Crane, Drew](#)  
**Cc:** [Wendy Loya](#); [Eric Taylor](#); [Socheata Lor](#); [Steve Berendzen](#); [Doug Damberg](#); [Maria Romero](#); [Stephanie Brady](#); [John Trawicki](#); [Mitch Ellis](#); [Ronnie Sanchez](#)  
**Subject:** Re: The Draft Letter  
**Date:** Thursday, April 12, 2018 12:41:52 PM

---

Good point. Thank you!

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On Thu, Apr 12, 2018 at 10:26 AM, Crane, Drew <[drew\\_crane@fws.gov](mailto:drew_crane@fws.gov)> wrote:

One additional small edit, BLM is also responsible for polar bears under the ESA. It may be more appropriate to say "FWS has jurisdiction for the management of polar bears under the MMPA and ESA".

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

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**Sent:** Thursday, April 12, 2018 6:52 AM

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**Cc:** Socheata Lor <[socheata\\_lor@fws.gov](mailto:socheata_lor@fws.gov)>; Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>; Drew Crane <[drew\\_crane@fws.gov](mailto:drew_crane@fws.gov)>; Steve Berendzen <[Steve\\_Berendzen@fws.gov](mailto:Steve_Berendzen@fws.gov)>; Ronnie Sanchez <[ronnie\\_sanchez@fws.gov](mailto:ronnie_sanchez@fws.gov)>; Maria Romero <[maria\\_romero@fws.gov](mailto:maria_romero@fws.gov)>; Stephanie Brady <[stephanie\\_brady@fws.gov](mailto:stephanie_brady@fws.gov)>; John Trawicki <[John\\_Trawicki@fws.gov](mailto:John_Trawicki@fws.gov)>; Mitch Ellis <[Mitch\\_Ellis@fws.gov](mailto:Mitch_Ellis@fws.gov)>

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On Wed, Apr 11, 2018 at 3:56 PM, Fischbach, Tracy <[tracy\\_fischbach@fws.gov](mailto:tracy_fischbach@fws.gov)> wrote:

Hi all,

The BLM has sent a letter inviting FWS to be a cooperating agency in the Coastal Plain Oil & Gas Program EIS. Attached is our latest "cleaned up" version of the response letter to BLM. Our due date is COB today. That said, I know that folks are out today, so our goal is to get this out as soon as we can in the morning. I am planning to make changes first thing, like around 7, and then will route for surnaming.

Thanks all,

-Tracy

Tracyann S Fischbach

Natural Resources Planner

National Wildlife Refuge System - Region 7

Division of Natural Resources & Conservation Planning

(907) 786-3369

Hours: Mon - Thurs 6:30 am to 4:00 pm; Friday 9:00 am - 1:00 pm

"Getting right down and smelling the fresh soil is good for any one." - from the 1913 Handbook for Girl Scouts by W. J. Hoxie

[Planning Questions? \(DOI Only\)](#)

**Need access to Refuge Documents?**

[Online Document Database \(ServCat\)](#)

***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](#)

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

From: **Romero, Maria** <[maria\\_romero@fws.gov](mailto:maria_romero@fws.gov)>  
Date: Wed, Apr 11, 2018 at 3:37 PM  
Subject: The Draft Letter  
To: "Fischbach, Tracy" <[tracy\\_fischbach@fws.gov](mailto:tracy_fischbach@fws.gov)>  
Cc: Ronnie Sanchez <[ronnie\\_sanchez@fws.gov](mailto:ronnie_sanchez@fws.gov)>

Here you are, my dear Tracy for Mary and Eric.

**Gracias,**

**Toni Romero**

Executive Assistant to the Chief of Refuges

National Wildlife Refuge System

U.S. Fish and Wildlife Service

[1011 East Tudor Rd](#) , Mail Stop 225

Anchorage, Alaska 99503

**Telephone:** (907) 786-3354 | **Fax:** (907) 786-3998

**e-mail:** [maria\\_romero@fws.gov](mailto:maria_romero@fws.gov)

**From:** [Google Calendar](#) on behalf of [Paul Leonard](#)  
**To:** [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)  
**Subject:** Arctic 1002 Program Staffing Discussion  
**Attachments:** [invite.ics](#)

---

Paul Leonard  
has accepted this invitation.

Arctic 1002 Program Staffing Discussion

Wendy would like to present her assessment of staffing needs for the 1002 program and a draft PD for her role moving forward, in anticipation of the RDT Retreat discussion.

When

Mon Apr 16, 2018 11:30am – 12:30pm Alaska Time

Where

FWS-FW7 NWRS Conference Room/Regional Office (map <<https://maps.google.com/maps?q=FWS-FW7+NWRS+Conference+Room/Regional+Office&hl=en>> )

Calendar

[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)

Who

- [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)  
- organizer
- [paul\\_leonard@fws.gov](mailto:paul_leonard@fws.gov)
- [eric\\_taylor@fws.gov](mailto:eric_taylor@fws.gov)
- [doug\\_damberg@fws.gov](mailto:doug_damberg@fws.gov)
- [sarena\\_selbo@fws.gov](mailto:sarena_selbo@fws.gov)
- [socheata\\_lor@fws.gov](mailto:socheata_lor@fws.gov)
- [mitch\\_ellis@fws.gov](mailto:mitch_ellis@fws.gov)
- [mary\\_colligan@fws.gov](mailto:mary_colligan@fws.gov)

Invitation from Google Calendar <<https://www.google.com/calendar/>>

You are receiving this email at the account [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov) because you are subscribed for invitation replies on calendar [wendy\\_loya@fws.gov](mailto: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](#) <<https://support.google.com/calendar/answer/37135#forwarding>> .

**From:** [Lor, Socheata](#)  
**To:** [Wendy Loya](#)  
**Cc:** [Tracy Fischbach](#); [Eric Taylor](#); [Drew Crane](#); [Steve Berendzen](#); [Doug Damberg](#); [Maria Romero](#); [Stephanie Brady](#); [John Trawicki](#); [Mitch Ellis](#); [Ronnie Sanchez](#)  
**Subject:** Re: The Draft Letter  
**Date:** Thursday, April 12, 2018 12:51:43 PM  
**Attachments:** [Cooperation\\_response\\_20180409\\_ejt\\_wml\\_sl.docx](#)

---

[See my edits in the attachment.](#)

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*  
~~~~~

On Thu, Apr 12, 2018 at 8:31 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Here are some additional edits, I did move things around a little to keep ANILCA sections together  
☺ See comment regarding management of the 5<sup>th</sup> purpose of the Refuge.

Thanks Tracy!

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:** Fischbach, Tracy <[tracy\\_fischbach@fws.gov](mailto:tracy_fischbach@fws.gov)>  
**Sent:** Thursday, April 12, 2018 6:52 AM  
**To:** Taylor, Eric <[eric\\_taylor@fws.gov](mailto:eric_taylor@fws.gov)>  
**Cc:** Socheata Lor <[socheata\\_lor@fws.gov](mailto:socheata_lor@fws.gov)>; Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>; Drew Crane <[drew\\_crane@fws.gov](mailto:drew_crane@fws.gov)>; Steve Berendzen <[Steve\\_Berendzen@fws.gov](mailto:Steve_Berendzen@fws.gov)>; Ronnie Sanchez <[ronnie\\_sanchez@fws.gov](mailto:ronnie_sanchez@fws.gov)>; Maria Romero <[maria\\_romero@fws.gov](mailto:maria_romero@fws.gov)>; Stephanie Brady <[stephanie\\_brady@fws.gov](mailto:stephanie_brady@fws.gov)>; John Trawicki <[John\\_Trawicki@fws.gov](mailto:John_Trawicki@fws.gov)>; Mitch Ellis <[Mitch\\_Ellis@fws.gov](mailto:Mitch_Ellis@fws.gov)>  
**Subject:** Re: The Draft Letter

Thank you! -T

Tracyann S Fischbach

Natural Resources Planner

National Wildlife Refuge System - Region 7

Division of Natural Resources & Conservation Planning

(907) 786-3369

Hours: Mon - Thurs 6:30 am to 4:00 pm; Friday 9:00 am - 1:00 pm

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[FWS Region 7 Land Mapper \(Public version\)](#)

[Region 7 GeoPDF Map Portal](#)

On Wed, Apr 11, 2018 at 5:41 PM, Taylor, Eric <[eric\\_taylor@fws.gov](mailto:eric_taylor@fws.gov)> wrote:

Hi Tracy -

Thank you for forwarding the draft letter. The attached review contains some suggested edits and a request to change the number of nesting shorebirds on the Refuge Coastal Plain 1002 area from "...more than two dozen shorebird species..." to 18.

Cheers.

Eric

Eric J. Taylor

Chief, Division of Migratory Bird Management

U.S. Fish and Wildlife Service

1011 E. Tudor Road, MS 201

Anchorage, Alaska 99503-6199

907.786.3446 (office)

907.903.7210 (cell)

[eric\\_taylor@fws.gov](mailto:eric_taylor@fws.gov)

On Wed, Apr 11, 2018 at 3:56 PM, Fischbach, Tracy <[tracy\\_fischbach@fws.gov](mailto:tracy_fischbach@fws.gov)> wrote:

Hi all,

The BLM has sent a letter inviting FWS to be a cooperating agency in the Coastal Plain Oil & Gas Program EIS. Attached is our latest "cleaned up" version of the response letter to BLM. Our due date is COB today. That said, I know that folks are out today, so our goal is to get this out as soon as we can in the morning. I am planning to make changes first thing, like around 7, and then will route for surnaming.

Thanks all,

-Tracy

Tracyann S Fischbach

Natural Resources Planner

National Wildlife Refuge System - Region 7

Division of Natural Resources & Conservation Planning

(907) 786-3369

Hours: Mon - Thurs 6:30 am to 4:00 pm; Friday 9:00 am - 1:00 pm

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

From: **Romero, Maria** <[maria\\_romero@fws.gov](mailto:maria_romero@fws.gov)>

Date: Wed, Apr 11, 2018 at 3:37 PM

Subject: The Draft Letter

To: "Fischbach, Tracy" <[tracy\\_fischbach@fws.gov](mailto:tracy_fischbach@fws.gov)>

Cc: Ronnie Sanchez <[ronnie\\_sanchez@fws.gov](mailto:ronnie_sanchez@fws.gov)>

Here you are, my dear Tracy for Mary and Eric.

Gracias,

Toni Romero

0000007892

Executive Assistant to the Chief of Refuges

National Wildlife Refuge System

U.S. Fish and Wildlife Service

1011 East Tudor Rd., Mail Stop 225

Anchorage, Alaska 99503

**Telephone:** (907) 786-3354 | **Fax:** (907) 786-3998

**e-mail:** [maria\\_romero@fws.gov](mailto:maria_romero@fws.gov)

**From:** [Wendy Loya](#)  
**To:** [Socheata Lor](#)  
**Cc:** [Tracy Fischbach](#)  
**Subject:** tax act language for 1002  
**Date:** Thursday, April 12, 2018 12:59:17 PM  
**Attachments:** [Tax Act 2017 TitleII Sec20001 OilandGas ANWR.pdf](#)

---

Soch,

See attached, short, powerful, and purposeful ☺

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:** [Lor, Socheata](#)  
**To:** [Wendy Loya](#)  
**Cc:** [Tracy Fischbach](#)  
**Subject:** Re: tax act language for 1002  
**Date:** Thursday, April 12, 2018 1:03:28 PM

---

Thanks for making me read it again, Wendy.

## 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 Thu, Apr 12, 2018 at 10:59 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Soch,

See attached, short, powerful, and purposeful ☺

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:** [Jorgenson, Janet](#)  
**To:** [Wendy Loya](#)  
**Subject:** Comments are on document  
**Date:** Thursday, April 12, 2018 1:04:31 PM  
**Attachments:** [1002-LandCoverMapSOW-Draft\\_JJcomments-12April2018.docx](#)

---

Read comments and then we can talk.

--

Janet C. Jorgenson  
Botanist  
Arctic National Wildlife Refuge  
101 12th Ave, Rm 236  
Fairbanks, Alaska 99701

907-456-0216

**From:** [Fischbach, Tracy](#)  
**To:** [Maria Romero](#)  
**Cc:** [Socheata Lor](#); [Wendy Loya](#); [John Trawicki](#); [Steve Berendzen](#); [Eric Taylor](#); [Drew Crane](#); [Mitch Ellis](#); [Stephanie Brady](#); [Ronnie Sanchez](#)  
**Subject:** BLM Response Letter is ready for routing  
**Date:** Thursday, April 12, 2018 2:46:49 PM  
**Attachments:** [20180412\\_ARC\\_Letter\\_Cooperation\\_response\\_to\\_BLM.docx](#)  
[20180412\\_ARC\\_Note\\_to\\_Reviewer\\_BLM\\_Response.docx](#)

---

Hi Toni,

Please prepare the attached letter for surnaming and final signature.

Thank you,

Tracy

Tracyann S Fischbach  
Natural Resources Planner  
National Wildlife Refuge System - Region 7  
Division of Natural Resources & Conservation Planning  
(907) 786-3369

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[FWS Region 7 Land Mapper \(Public version\)](#)

[Region 7 GeoPDF Map Portal](#)

**From:** [Doug Damberg](#)  
**To:** [Mitch\\_Ellis@fws.gov](mailto:Mitch_Ellis@fws.gov); [gilbert\\_castellanos@fws.gov](mailto:gilbert_castellanos@fws.gov)  
**Cc:** [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)  
**Subject:** Fwd: [EXTERNAL] Porcupine Caribou Workshop/ Whitehorse May 2018/ Please respond with availability for May 2018  
**Date:** Thursday, April 12, 2018 4:41:05 PM  
**Attachments:** [Untitled attachment 03976.htm](#)  
[PCH\\_WORKSHOP\\_MAY2018\\_draft\\_agenda.docx](#)

---

Mitch/Gilbert:

Please see Joanna's note below. It's very likely we missed the window to get approval for Steve to attend this workshop but do you think it is worth pursuing given the importance?

Sent from my iPhone

Begin forwarded message:

**From:** "Fox, Joanna" <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)>  
**Date:** April 12, 2018 at 2:18:10 PM AKDT  
**To:** Doug Damberg <[doug\\_damberg@fws.gov](mailto:doug_damberg@fws.gov)>  
**Cc:** Steve Berendzen <[steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)>  
**Subject:** Fwd: [EXTERNAL] Porcupine Caribou Workshop/ Whitehorse May 2018/ Please respond with availability for May 2018

Hi Doug,

Steve has been asked to participate in a Porcupine Caribou workshop in Whitehorse in May. We think we've missed the window for approval for travel to Canada, but also know there's a possibility this may be a Department priority. Can you look into this further - perhaps touch bases with Mitch and Gilbert? I'm pretty sure there was some brief conversation about meetings like this during the last meeting we had with Greg - and I thought he seemed to think it would be a priority for us to participate.

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](http://www.facebook.com/arcticnationalwildliferefuge)

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

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

From: **Arthur, Stephen** <[stephen\\_arthur@fws.gov](mailto:stephen_arthur@fws.gov)>  
Date: Thu, Apr 12, 2018 at 12:26 PM  
Subject: Fwd: [EXTERNAL] Porcupine Caribou Workshop/ Whitehorse May 2018/ Please respond with availability for May 2018  
To: Joanna Fox <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)>, Steve Berendzen <[steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)>

Attached is a notice of a proposed workshop to be held in Whitehorse, YT, to discuss issues related to development impacts on the Porcupine caribou herd. I think it would be worthwhile for me to attend, but the timeframe is likely too soon for me to get approval for travel to Canada. I have asked if this could be postponed to June, but I was wondering if you agree that I should attend, and if you think this would be approved by the Regional office? Are there others who we should consult on this?

Steve

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

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

From: **Stotyn, Shannon (EC)** <[shannon.stotyn@canada.ca](mailto:shannon.stotyn@canada.ca)>  
Date: Thu, Apr 12, 2018 at 11:02 AM  
Subject: [EXTERNAL] Porcupine Caribou Workshop/ Whitehorse May 2018/ Please respond with availability for May 2018  
To: "Tavares, David (PC)" <[david.tavares@canada.ca](mailto:david.tavares@canada.ca)>, Deana Lemke <[beyondwords@northwestel.net](mailto:beyondwords@northwestel.net)>, Édouard Bélanger <[ebelanger@grrb.nt.ca](mailto:ebelanger@grrb.nt.ca)>, "Mcdonald2, Ian (PC)" <[ian.mcdonald2@canada.ca](mailto:ian.mcdonald2@canada.ca)>, Julia Ahlgren <[Julia.Ahlgren@gov.yk.ca](mailto:Julia.Ahlgren@gov.yk.ca)>, "[Kyle.Russell@gov.yk.ca](mailto:Kyle.Russell@gov.yk.ca)" <[Kyle.Russell@gov.yk.ca](mailto:Kyle.Russell@gov.yk.ca)>, "[Marsha\\_Branigan@gov.nt.ca](mailto:Marsha_Branigan@gov.nt.ca)" <[Marsha\\_Branigan@gov.nt.ca](mailto:Marsha_Branigan@gov.nt.ca)>, "[Martin.Kienzler@gov.yk.ca](mailto:Martin.Kienzler@gov.yk.ca)" <[Martin.Kienzler@gov.yk.ca](mailto:Martin.Kienzler@gov.yk.ca)>, "Leblond3, Mathieu (EC)" <[mathieu.leblond3@canada.ca](mailto:mathieu.leblond3@canada.ca)>, "[Mike.Suitor@gov.yk.ca](mailto:Mike.Suitor@gov.yk.ca)" <[Mike.Suitor@gov.yk.ca](mailto:Mike.Suitor@gov.yk.ca)>, "[Tracy\\_Davison@gov.nt.ca](mailto:Tracy_Davison@gov.nt.ca)" <[Tracy\\_Davison@gov.nt.ca](mailto:Tracy_Davison@gov.nt.ca)>, "[beth.lenart@alaska.gov](mailto:beth.lenart@alaska.gov)" <[beth.lenart@alaska.gov](mailto:beth.lenart@alaska.gov)>, "Brad Griffiths ([dbgrieffith@alaska.edu](mailto:dbgrieffith@alaska.edu))" <[dbgrieffith@alaska.edu](mailto:dbgrieffith@alaska.edu)>, "[jason.caikoski@alaska.gov](mailto:jason.caikoski@alaska.gov)" <[jason.caikoski@alaska.gov](mailto:jason.caikoski@alaska.gov)>, Paul Leonard <[paul\\_leonard@fws.gov](mailto:paul_leonard@fws.gov)>, Steve Arthur <[stephen\\_arthur@fws.gov](mailto:stephen_arthur@fws.gov)>, Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>

Hello,

The Canadian Wildlife Service, Yukon Government and Government of Northwest Territories are organizing a two day workshop in Whitehorse, Yukon to address issues related to potential industrial development within the calving grounds of the Porcupine caribou herd. The primary goal of the workshop is to identify a path forward for managing impacts on the PCH through input from biologists, environmental assessment specialists and researchers with experience on this topic.

Outcomes will include:

- A better understanding of what is coming in the process and potential impacts
- Identification of key short and medium term priorities for input to the expected Environmental Impact Statement that will be prepared in the coming months and reviewed thereafter
- Suggestions for agencies tasked with monitoring the herd for priority sampling and structure of long term herd monitoring
- Identification of potential collaborations and work needed

If your organization is interested in participating **please complete the doodle poll below to indicate your availability. We have allocated two days for this meeting.** If you have any colleagues in your organization that have experience addressing these issues we would be excited to have them participate. We will also have teleconference capability if you are unable to attend in person.

<https://doodle.com/poll/9nf7dc8kihwk5iez>

Following this two day meeting we will ask the Canadian representatives to stay for an extra day to flesh out the contents of a science summary for use in the upcoming US regulatory processes. Further details will be sent to the Canadian representatives in the next few days.

Looking forward to hearing from you and please contact myself or Mike Sutor ([mike.sutor@gov.yk.ca](mailto:mike.sutor@gov.yk.ca)) if you have any further questions.

Thanks,

Shannon Stotyn

**Shannon Stotyn**

Species at Risk Biologist  
Canadian Wildlife Service  
Environment and Climate Change Canada  
91780 Alaska Highway  
Whitehorse, YT, Canada Y1A 5X7  
[shannon.stotyn@ec.gc.ca](mailto:shannon.stotyn@ec.gc.ca)  
Telephone 867-667-3929  
Cellular: 867-333-9891  
Facsimile 867-393-7970  
Government of Canada  
Website [www.ec.gc.ca](http://www.ec.gc.ca)

**Shannon Stotyn**

Biologiste d'Espèces en Péril  
Service Canadien de la faune  
Environnement et Changement Climatique Canada  
91780 autoroute Alaska  
Whitehorse, YT, Canada Y1A 5X7  
[shannon.stotyn@ec.gc.ca](mailto:shannon.stotyn@ec.gc.ca)  
Téléphone 867-667-3929  
Cellulaire: 867-333-9891  
Télécopieur 867-393-7970  
Gouvernement du Canada  
Site Web [www.ec.gc.ca](http://www.ec.gc.ca)

**From:** [Leonard, Paul](#)  
**To:** [Wendy Loya](#)  
**Cc:** [Joshua Bradley](#)  
**Subject:** Re: OSA Arctic Program and Partnership 041018.docx  
**Date:** Thursday, April 12, 2018 5:43:34 PM  
**Attachments:** [OSA Arctic Program and Partnership 041218\\_pbl.docx](#)

---

Just a follow up on this for the ecologist portion.

Also, I like that you had a succinct list in your description. If you think that is a more effective way to communicate the positions I will be happy to turn those around tomorrow for the LE.

On Tue, Apr 10, 2018 at 4:52 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

I'll tell ya what I want, what I really really want...

Very rough draft I fleshed out in the last 30 min. Welcome your feedback. I am not saying you have to be these people, but I will advocate for this type of capacity for the Arctic.

--

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

**From:** [Loya, Wendy](#)  
**To:** [Sarena Selbo](#)  
**Subject:** Re: Arctic 1002 Program Staffing Discussion  
**Date:** Thursday, April 12, 2018 10:12:48 PM

---

OK, I was going to talk to Joanna tomorrow in person and then I will invite all...

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 Thu, Apr 12, 2018 at 8:10 PM, Sarena Selbo <[sarena\\_selbo@fws.gov](mailto:sarena_selbo@fws.gov)> wrote:

I think you should add Drew, John and Steve/Joanna. Broad discussion for the ARDs to hear going into our RDT meeting to hopefully make some decisions!

Begin forwarded message:

**From:** Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>  
**To:** "[sarena\\_selbo@fws.gov](mailto:sarena_selbo@fws.gov)" <[sarena\\_selbo@fws.gov](mailto:sarena_selbo@fws.gov)>, "[mitch\\_ellis@fws.gov](mailto:mitch_ellis@fws.gov)" <[mitch\\_ellis@fws.gov](mailto:mitch_ellis@fws.gov)>, "[doug\\_damberg@fws.gov](mailto:doug_damberg@fws.gov)" <[doug\\_damberg@fws.gov](mailto:doug_damberg@fws.gov)>, "[socheata\\_lor@fws.gov](mailto:socheata_lor@fws.gov)" <[socheata\\_lor@fws.gov](mailto:socheata_lor@fws.gov)>, "[paul\\_leonard@fws.gov](mailto:paul_leonard@fws.gov)" <[paul\\_leonard@fws.gov](mailto:paul_leonard@fws.gov)>, "[mary\\_colligan@fws.gov](mailto:mary_colligan@fws.gov)" <[mary\\_colligan@fws.gov](mailto:mary_colligan@fws.gov)>, "[eric\\_taylor@fws.gov](mailto:eric_taylor@fws.gov)" <[eric\\_taylor@fws.gov](mailto:eric_taylor@fws.gov)>  
**Subject:** Arctic 1002 Program Staffing Discussion

You have been invited to the following event.

Title: Arctic 1002 Program Staffing Discussion  
Wendy would like to present her assessment of staffing needs for the 1002 program and a draft PD for her role moving forward, in anticipation of the RDT Retreat discussion.

When: Mon Apr 16, 2018 11:30am – 12:30pm Alaska Time  
Where: FWS-FW7 NWRS Conference Room/Regional Office  
Calendar: [sarena\\_selbo@fws.gov](mailto:sarena_selbo@fws.gov)

Who:

- \* [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov) - organizer
- \* [mitch\\_ellis@fws.gov](mailto:mitch_ellis@fws.gov)
- \* [doug\\_damberg@fws.gov](mailto:doug_damberg@fws.gov)
- \* [socheata\\_lor@fws.gov](mailto:socheata_lor@fws.gov)
- \* [paul\\_leonard@fws.gov](mailto:paul_leonard@fws.gov)
- \* [mary\\_colligan@fws.gov](mailto:mary_colligan@fws.gov)
- \* [eric\\_taylor@fws.gov](mailto:eric_taylor@fws.gov)
- \* [sarena\\_selbo@fws.gov](mailto:sarena_selbo@fws.gov)

Event details:

<https://www.google.com/calendar/event?action=VIEW&eid=NDdsZGRnbGQ0N2hvc3ZpY2VodWFLOWdvamOgc2FyZW5hX3NlbGJvQGZ3cy5nb3Y&tok=MTgjd2VuZHlfG95YUBmd3MuZ292NGVIZGRINTNkOWE3ODU2ZDMyZTJmYjc5ODUwYjgzZDlmMGU1NDA5ZQ&ctz=America%2FAnchorage&hl=en&es=1>

Invitation from Google Calendar: <https://www.google.com/calendar/>

You are receiving this email at the account [sarena\\_selbo@fws.gov](mailto:sarena_selbo@fws.gov) because you are subscribed for invitations on calendar [sarena\\_selbo@fws.gov](mailto:sarena_selbo@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:** [Romero, Maria](#)  
**To:** [Wendy Loya](#)  
**Cc:** [Fischbach, Tracy](#)  
**Subject:** Cooperation Response Letter  
**Date:** Friday, April 13, 2018 11:10:48 AM  
**Attachments:** [Note To Reviewer.pdf](#)  
[Artic Letter Cooperation response to BLM.docx](#)

---

Good Morning Wendy:

Would you please surname the NTR and either scan it back to me or just send me an email back.

Thank you,

**Toni**

**Toni Romero**  
Executive Assistant to the Chief of Refuges  
National Wildlife Refuge System  
U.S. Fish and Wildlife Service  
1011 East Tudor Rd , Mail Stop 225  
Anchorage, Alaska 99503  
**Telephone:** (907) 786-3354 | **Fax:** (907) 786-3998  
**e-mail:** [maria\\_romero@fws.gov](mailto:maria_romero@fws.gov)

**From:** [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)  
**To:** [FWS-FW7 Science Application Conference Room/Regional Office](#)  
**Subject:** Canceled: 1002 Pow Wow  
**Importance:** High

---

Chance to touch base before I leave town Wednesday morning (out April 18-29th)

**From:** [Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)  
**To:** [John Trawicki](#); [Drew Crane](#)  
**Subject:** 1002 Pow wow

---

RSVP a little extra time for the three of us to touch base before Wendy leaves town Aug 19-29th

**From:** [Wendy Loya](#)  
**To:** [Jorgenson, Janet](#)  
**Subject:** Re: Arctic Refuge 1002 Area Resource Assessments: 2018 Priority Information Needs  
**Date:** Friday, April 13, 2018 4:02:14 PM

---

Call IT, everyone should have access :)

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 Apr 13, 2018, at 12:08, Jorgenson, Janet <[janet\\_jorgenson@fws.gov](mailto:janet_jorgenson@fws.gov)> wrote:

Hi, I can't reach this shared folder. This is the first time I have tried, so I evidently don't have access to this folder. I think I am not connected to any of the network directories, only to the local ones in Fairbanks.

I tried following the directions in the email, but eventually got a screen that said that I needed elevated privileges to do it. Is this something I need to have done for me by someone who has admin privileges?

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

**From:** **Arthur, Stephen** <[stephen\\_arthur@fws.gov](mailto:stephen_arthur@fws.gov)>  
**Date:** Mon, Feb 26, 2018 at 11:35 AM  
**Subject:** Re: Arctic Refuge 1002 Area Resource Assessments: 2018 Priority Information Needs  
**To:** "Berendzen, Steve" <[steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)>  
**Cc:** Hollis Twitchell <[hollis\\_twitchell@fws.gov](mailto:hollis_twitchell@fws.gov)>, Christopher Latty <[christopher\\_latty@fws.gov](mailto:christopher_latty@fws.gov)>, "Jorgenson, Janet" <[janet\\_jorgenson@fws.gov](mailto:janet_jorgenson@fws.gov)>, Roger Kaye <[Roger\\_Kaye@fws.gov](mailto:Roger_Kaye@fws.gov)>, Greta Burkart <[greta\\_burkart@fws.gov](mailto:greta_burkart@fws.gov)>, Roy Churchwell <[roy\\_churchwell@fws.gov](mailto:roy_churchwell@fws.gov)>, "Reed, Jennifer" <[jennifer\\_reed@fws.gov](mailto:jennifer_reed@fws.gov)>, Joanna Fox <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)>

For those who are interested, the message below provides the path to a network directory where all the resource assessments are stored.

Stephen M. Arthur, Ph.D.  
Supervisory Wildlife Biologist  
Arctic National Wildlife Refuge  
[101 12th Ave., Room 236](#)  
[Fairbanks, AK 99701](#)  
[\(907\)455-1830](tel:(907)455-1830)

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

**From:** **Wendy Loya** <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>  
**Date:** Thu, Feb 15, 2018 at 12:35 PM  
**Subject:** Drive Location for uploading 1002 Arctic Refuge Resource Assessments

Dear Resource Assessment Team Leads:

We have established a shared folder on the R7 Common Drive for the 1002 Arctic Refuge Program (Oil and Gas). It should look like this, and you can use FWS Tools to go in your computer menu to get to a link called Drives, which leads to a link to Remap Drives and Printers. Let me or John Trawicki know if you are unable to find the folder.

**r7common(\\ifw7rofs1.fws.doi.net)(P:)\1002ArcticRefuge\1-Working\Resource Assessments\_Originals**

Everyone in the region should have read/write access to this folder, and I would like to request that you please save a copy of your final document there in addition to emailing it to John Martin. If you have already submitted, John Martin will save the copy he has received there today. This will allow us to work with these immediately and keep common record of the effort.

Thank you,  
Wendy

Dr. Wendy M. Loya, Coordinator  
Arctic Landscape Conservation Cooperative (LCC)  
Anchorage, Alaska  
907.786.3532 (office)  
907.227.2942 (mobile)

**Stephen M. Arthur, Ph.D.**  
*Supervisory Wildlife Biologist*  
*Arctic National Wildlife Refuge*  
[101 12th Ave., Room 236](#)  
[Fairbanks, AK 99701](#)  
[\(907\)455-1830](#)

|

--

Janet C. Jorgenson  
Botanist  
Arctic National Wildlife Refuge  
101 12th Ave, Rm 236  
Fairbanks, Alaska 99701

907-456-0216

**From:** [Jorgenson, Janet](#)  
**To:** [Wendy Loya](#); [Paul Leonard](#)  
**Subject:** New draft of SOW for north slope map  
**Date:** Friday, April 13, 2018 4:29:30 PM  
**Attachments:** [1002-LandCoverMapSOW-Draft\\_4-13-18.DOCX](#)

---

I left my comments here. They might help explain why I made some of the changes to text. I got Torre to rewrite the section on soils and environmental variables to be collected in the field. It is well worth getting better on-the-ground field data to improve the map classes.

--

Janet C. Jorgenson  
Botanist  
Arctic National Wildlife Refuge  
101 12th Ave, Rm 236  
Fairbanks, Alaska 99701

907-456-0216

**From:** [Wendy Loya](#)  
**To:** [Crane, Drew](#)  
**Cc:** [John Trawicki](#)  
**Subject:** Re: 1002 Pow wow  
**Date:** Friday, April 13, 2018 5:14:48 PM

---

I can do earlier if Trawicki is available. Or there was a time that would have worked Tuesday morning...I am just leaving Fairbanks and can look for an alternate time this weekend or if you have our calendars, feel free to send a different invite and I will cancel this one.

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 Apr 13, 2018, at 15:08, Crane, Drew <[drew\\_crane@fws.gov](mailto:drew_crane@fws.gov)> wrote:

Hey Wendy,

Could we move this to before the 2:00 meeting? I have another meeting at this time with Mary and others.

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

2018-04-13 9:50 GMT-08:00 <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>:

**From:** [Wendy Loya](#)  
**To:** [Karen Murphy](#)  
**Subject:** RE: 1002 Meeting Monday at 1130am  
**Date:** Monday, April 16, 2018 10:29:05 AM

---

Karen,

Sarena thinks I should scale it back to just ARD and Refuges leadership, and uninvited you and Paul. I can have the conversation with you about my ideas separately, and that is probably more productive anyway.

Sorry for the uninvite 😊

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:** Murphy, Karen <[karen\\_a\\_murphy@fws.gov](mailto:karen_a_murphy@fws.gov)>  
**Sent:** Monday, April 16, 2018 7:47 AM  
**To:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>  
**Subject:** Re: 1002 Meeting Monday at 1130am

Hi Wendy,  
I will try to make it. I have a call with AOOS at 11:00 about the IAA options. I'm hoping it will be done by 11:30. Will it be disruptive if I walk in late?

Loved the sunshine this weekend! I hope you got out too!  
Karen

*Karen A Murphy*  
Science Applications  
907-786-3501  
[karen\\_a\\_murphy@fws.gov](mailto:karen_a_murphy@fws.gov)

On Sun, Apr 15, 2018 at 8:02 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi Karen,  
I just invited you to a meeting I am holding with some ARDS and refuges leadership to talk about my role and the near-term staffing needs for coordinating the 1002 program. If you are around and can attend, I think it would be helpful for you to hear my pitch/perspective from a Science Applications leadership perspective. If you aren't available then, we can talk later about it perhaps with Sarena.

th

th

0000007912

FYI, I am out of the office Weds 18 through Sunday 29 , will send out an email but a heads up I only have 2 days in office this week (plus half of today).

Hope you had a good weekend!  
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:** [Cribley, Bud](#)  
**Subject:** Re: Revised Plan  
**Date:** Monday, April 16, 2018 10:33:43 AM

---

Call me anytime before 1130 or after 1pm :)

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 Apr 16, 2018, at 06:50, Cribley, Bud <[bud\\_cribley@fws.gov](mailto:bud_cribley@fws.gov)> wrote:

Wendy, are you around for a call today?

Thanks,

Bud

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

**From:** **Cribley, Bud** <[bud\\_cribley@fws.gov](mailto:bud_cribley@fws.gov)>  
**Date:** Mon, Apr 9, 2018 at 9:47 AM  
**Subject:** Re: FW: Revised Plan  
**To:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>

Wendy,

i have to apologize "again" to you for missing this call. My doctor appointments seem to overlap these calls. Would you have time "again" to visit with me and update me on your conversations on the coastal plain?

Thanks,

Bud

On Thu, Apr 5, 2018 at 2:35 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

FYI. We will be holding tomorrow's call if you can join.

From yesterday, in response to a request for how the region would be investing in 1002 information needs...

Jim,

Knowing how this generally works with funding being "earmarked" as part of

the regional budget this is a reasonable representation of activities important to conduct in FY18. We have employees in the know and ready to ensure we can meet these project objectives. Also, this should not “break the bank” of any specific program but will require some adjustment in focus from what was anticipated prior to the Tax Act containing Arctic Coastal Plain oil and gas program language (e.g. this is a priority).

Please call if you wish to discuss prior to sending upstairs. I’m always up early should you have questions or concerns.

Greg

--

**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](mailto:bud_cribley@fws.gov)**

--

**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](mailto:bud_cribley@fws.gov)**

**From:** [Wendy Loya](#)  
**To:** [Bud Cribley](#)  
**Subject:** FW: Cooperation Response Letter  
**Date:** Monday, April 16, 2018 10:47:32 AM  
**Attachments:** [Arctic Letter Cooperation response to BLM.docx](#)

---

FYI

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:** Romero, Maria <[maria\\_romero@fws.gov](mailto:maria_romero@fws.gov)>  
**Sent:** Friday, April 13, 2018 9:11 AM  
**To:** Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>  
**Cc:** Fischbach, Tracy <[tracy\\_fischbach@fws.gov](mailto:tracy_fischbach@fws.gov)>  
**Subject:** Cooperation Response Letter

Good Morning Wendy:

Would you please surname the NTR and either scan it back to me or just send me an email back.

Thank you,

**Toni**

**Toni Romero**  
Executive Assistant to the Chief of Refuges  
National Wildlife Refuge System  
U.S. Fish and Wildlife Service  
1011 East Tudor Rd , Mail Stop 225  
Anchorage, Alaska 99503  
**Telephone:** (907) 786-3354 | **Fax:** (907) 786-3998  
**e-mail:** [maria\\_romero@fws.gov](mailto:maria_romero@fws.gov)

**From:** [Selbo, Sarena](#)  
**To:** [Wendy Loya](#); [Leonard, Paul](#); [Joshua Bradley](#); [Karen Murphy](#); [Powers, Elizabeth](#); [Amy Pocewicz](#); [Parks, Brett](#); [Charla Sterne](#); [Ray, Diane](#); [Thomas Miewald](#)  
**Subject:** Tuesday discussion with RDT - regional vision for landscape conservation  
**Date:** Monday, April 16, 2018 12:02:11 PM  
**Attachments:** [AK Region Landscape Conservation Vision 4.13.18.docx](#)

---

Hey folks. The RDT is close to finalizing the vision for landscape conservation in the AK region. I am sharing the latest draft with you (attached). Karen Clark and the ARDs would like to have a discussion with Science Applications staff before releasing the vision to the rest of the region. We will meet Tuesday at 1:00 in the OSM Conference Room. Folks in Fairbanks should dial in via my conference call line. You will see a google invite shortly.

--

Sarena M. Selbo  
Assistant Regional Director  
Science Applications - Alaska Region  
U.S. Fish and Wildlife Service  
1011 East Tudor Road  
Anchorage, Alaska 99503  
907-786-3380

**From:** [Wendy Loya](#)  
**To:** [Eric Taylor](#)  
**Cc:** [Sarena Selbo](#)  
**Subject:** RE: Invitation: Arctic 1002 Program Staffing Discussion @ Mon Apr 16, 2018 11:30am - 12:30pm (AKDT) (eric\_taylor@fws.gov)  
**Date:** Monday, April 16, 2018 4:40:58 PM  
**Attachments:** [OSA Arctic Program 041618\\_pbl.docx](#)

---

Hi Eric,

Thanks for the update. I shared what I saw as cross-programmatic science staffing needs for the Coastal Plain program, in addition to a list of the duties I have assumed in my role as both the Regional Point of Contact and "Science Coordinator" for information needs. I am attaching a draft of text to describe what I presented. I see the Oil and Gas program on the Refuge as a regional issue and not just a Refuge program. I am hoping that existing science application staff can bring spatial/landscape analyses and data management tools to the program for the next 2-3 years, and there seemed to be recognition that was important. We also have a need for a biometrician that can help ensure our studies have the power to detect change when that is the goal and a technician to help with gathering existing information and creating digital records for that as we go. In future conversations we can understand if any of your staff have capacity to aid with that broader effort, especially avian studies that are on the list.

That is a short summary,  
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:** Taylor, Eric <[eric\\_taylor@fws.gov](mailto:eric_taylor@fws.gov)>  
**Sent:** Monday, April 16, 2018 12:25 PM  
**To:** Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>  
**Cc:** Sarena Selbo <[sarena\\_selbo@fws.gov](mailto:sarena_selbo@fws.gov)>  
**Subject:** Re: Invitation: Arctic 1002 Program Staffing Discussion @ Mon Apr 16, 2018 11:30am - 12:30pm (AKDT) ([eric\\_taylor@fws.gov](mailto:eric_taylor@fws.gov))

Hi Wendy -

Sorry I missed this. My 10:30 am conference call with MBM Leadership on reinterpretation of incidental take went 1.5 hrs instead of 1 hr and given the national and regional mess-ups on communication, I needed to stay on. Let me know if there is something you need from me or our Program. Again, sorry.

Eric

Eric J. Taylor  
Chief, Division of Migratory Bird Management  
U.S. Fish and Wildlife Service  
1011 E. Tudor Road, MS 201  
Anchorage, Alaska 99503-6199  
907.786.3446 (office)  
907.903.7210 (cell)  
[eric\\_taylor@fws.gov](mailto:eric_taylor@fws.gov)

On Thu, Apr 12, 2018 at 10:49 AM, Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)> wrote:

[more details »](#)

### Arctic 1002 Program Staffing Discussion

Wendy would like to present her assessment of staffing needs for the 1002 program and a draft PD for her role moving forward, in anticipation of the RDT Retreat discussion.

When Mon Apr 16, 2018 11:30am – 12:30pm Alaska Time

Where FWS-FW7 NWRS Conference Room/Regional Office ([map](#))

Calendar [eric\\_taylor@fws.gov](mailto:eric_taylor@fws.gov)

Who

- [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov) - organizer
- [mary\\_colligan@fws.gov](mailto:mary_colligan@fws.gov)
- [paul\\_leonard@fws.gov](mailto:paul_leonard@fws.gov)
- [eric\\_taylor@fws.gov](mailto:eric_taylor@fws.gov)
- [mitch\\_ellis@fws.gov](mailto:mitch_ellis@fws.gov)
- [sarena\\_selbo@fws.gov](mailto:sarena_selbo@fws.gov)
- [doug\\_damberg@fws.gov](mailto:doug_damberg@fws.gov)
- [socheata\\_lor@fws.gov](mailto:socheata_lor@fws.gov)

Going? **Yes - Maybe - No** [more options »](#)

Invitation from [Google Calendar](#)

You are receiving this email at the account [eric\\_taylor@fws.gov](mailto:eric_taylor@fws.gov) because you are subscribed for invitations on calendar [eric\\_taylor@fws.gov](mailto:eric_taylor@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](#).

**From:** [Medeiros, Andrea](#)  
**To:** [Wendy Loya](#)  
**Subject:** Fwd: Follow up on Coastal Plain communications  
**Date:** Monday, April 16, 2018 5:55:52 PM  
**Attachments:** [Facebook Logo for Email Signature Block.png](#)

---

I found my notes from my conversation with Gavin.

---

Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
(907) 786-3695  
Mobile: (907) 227-4788

Connect with us:



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

**From:** **Medeiros, Andrea** <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)>  
**Date:** Wed, Apr 11, 2018 at 4:34 PM  
**Subject:** Fwd: Follow up on Coastal Plain communications  
**To:** Sara Boario <[sara\\_boario@fws.gov](mailto:sara_boario@fws.gov)>, Joanna Fox <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)>, Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>

FYI

I had a discussion with Gavin on Tuesday and then wrote him a follow-up email. See below

The takeaways:

- We should go ahead and develop an opening statement and Q and A for USFWS representatives/spokespeople. Review in the region, HQ, DOI, with final to BLM. Gavin suggested that the questions be kept broad.
- DOI to decide who will respond to media. We could have DOI provide guidance at the time they review our materials.

---

Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
(907) 786-3695  
Mobile: (907) 227-4788

Connect with us:



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

From: **Gavin Shire** <[gavin\\_shire@fws.gov](mailto:gavin_shire@fws.gov)>  
Date: Wed, Apr 11, 2018 at 9:21 AM  
Subject: Re: Follow up on Coastal Plain communications  
To: "Medeiros, Andrea" <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)>

I think we should present them with possible responses and let them decide whether they are comfortable with us delivering them.

G

Sent from my iPhone

On Apr 11, 2018, at 1:17 PM, Medeiros, Andrea <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)> wrote:

Do you think that DOI will be okay with us speaking with the media? It seems as though we have been directed to refer all media inquiries relative to the 1002 to DOI.

---

Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
(907) 786-3695  
Mobile: (907) 227-4788

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On Wed, Apr 11, 2018 at 6:57 AM, Shire, Gavin <[gavin\\_shire@fws.gov](mailto:gavin_shire@fws.gov)> wrote:

Yes, I think we should anticipate any question we get asked by the public at one of these meetings could also be asked by the media at any time. We should be prepared to answer, even if it is only to say they need to ask DOI.

G

Gavin Shire  
Chief of Public Affairs  
U.S. Fish and Wildlife Service  
MS: EA  
[5275 Leesburg Pike](#)  
[Falls Church, VA 22041-3803](#)

703-358-2649 (o)  
703-346-9123 (c)  
[gavin\\_shire@fws.gov](mailto:gavin_shire@fws.gov)

On Tue, Apr 10, 2018 at 8:18 PM, Medeiros, Andrea  
<[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)> wrote:

Hi Gavin,

I had some other points and questions and thought it would be good to summarize what we talked about on the phone.

In addition to the internal Qs and As, we are planning to develop an opening statement for staffers. I will let Sara know that you suggested that the questions be broad. We will review the talking points (and opening statement) in the region, send to HQ and then to BLM when final.

BLM has drafted a communications strategy (see attached) and it looks like it has a DTS number. I have written BLM to find out if this plan has been reviewed by DOI. If it has, would you send our materials up through DOI?

Do you think there is any case in which USFWS should respond to media inquiries? local media vs national media, types of questions (our lane), etc.

---

Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
(907) 786-3695  
Mobile: (907) 227-4788

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

From: **Boario, Sara** <[sara\\_boario@fws.gov](mailto:sara_boario@fws.gov)>  
Date: Thu, Apr 5, 2018 at 1:34 PM  
Subject: Fwd: Coastal Plain Communication Plan  
To: Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>, Andrea Medeiros  
<[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)>

may be relevant to our comms disucssion

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

From: **Ellis-Wouters, Lesli** <[lellis@blm.gov](mailto:lellis@blm.gov)>  
Date: Mon, Apr 2, 2018 at 1:25 PM

Subject: Coastal Plain Communication Plan

To: Sara Boario <[sara\\_boario@fws.gov](mailto:sara_boario@fws.gov)>

Sara,

I don't know if I've shared this with you yet. We are developing some Q&As in anticipation of the Federal Register notice and I can forward those when they are complete.

We are also developing a web page for the EIS. We don't have much imagery from the Coastal Plain and was wondering if you might be able to assist with that. So far, the only image we have is the map from the Tax Act.

***Lesli J. Ellis-Wouters***

Communications Director

Alaska State Office

Bureau of Land Management

907-271-4418 | cell - 907-331-8763

--

Sara D. Boario

Assistant Regional Director-External Affairs

U.S. Fish and Wildlife Service, Alaska Region

Anchorage, Alaska

907-786-3431

<[Facebook Logo for Email Signature Block.png](#)> <[twitter-icon Signature Block.jpg](#)>

**From:** [Wendy Loya](#)  
**To:** [Tracy Fischbach](#); [Eric Taylor](#); [Drew Crane](#); [Stephanie Brady](#); [John Trawicki](#); [Joanna Fox](#)  
**Subject:** RE: FWS-BLM Weekly Check-in on Coastal Plain 1002  
**Date:** Tuesday, April 17, 2018 11:03:26 AM

---

Today's meeting will be hosted in Anchorage at the FWS Engineering Conference Room. Remote participants can use the same line, **b5-CIP**, participant passcode **b5-CIP**.

The agenda and past notes are here:

[https://docs.google.com/document/d/1WV13\\_WBiKPJBoyKtdh9GTw5AUXzJXAEZBc73RMTp8p0/edit](https://docs.google.com/document/d/1WV13_WBiKPJBoyKtdh9GTw5AUXzJXAEZBc73RMTp8p0/edit)

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)

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

From: mnhayes@blm.gov <mnhayes@blm.gov>  
Sent: None  
To: mnhayes@blm.gov; wendy\_loya@fws.gov; mdraper@blm.gov; tracy\_fischbach@fws.gov; eric\_taylor@fws.gov; njones@blm.gov; drew\_crane@fws.gov; steve\_berendzen@fws.gov; stephanie\_brady@fws.gov; john\_trawicki@fws.gov; joanna\_fox@fws.gov; ssweet@blm.gov  
Subject: FWS-BLM Weekly Check-in on Coastal Plain 1002  
When: Tuesday, April 17, 2018 2:00 PM-3:00 PM (UTC-09:00) Alaska.  
Where: **b5-CIP**, participant passcode **b5-CIP** FWS-FW7 Engineering Conference Room

NOI is scheduled to go out Friday.

Please send any agenda topics to me by noon each Tuesday. We can have our first weekly check-in next week!

**From:** [Wendy Loya](#)  
**To:** [John Trawick](#); [Drew Crane](#); [Steve Berendzen](#); [Joanna Fox](#)  
**Subject:** 1002 Team needs  
**Date:** Tuesday, April 17, 2018 11:10:31 AM  
**Attachments:** [OSA Arctic Program 041618\\_pbl.docx](#)

---

Hi 1002 team,

Yesterday I met with Mitch, Soch, Doug, Sarena and Mary to share what I thought my role is in the 1002 team and to describe what I saw as important staffing considerations in the next 1-3 years. The timing of this was necessitated by the fact that decisions will be made in the coming weeks about the future positions of Science Applications staff and the potential for us to lose the assistance of Paul and/or Josh as Landscape Ecologist and Data Manager, respectively. I also identified a need for a biometrician to guide our science planning, especially where we are investing in pre-development baseline data in order to detect change and impacts toward mitigation. Lastly, we have all talked about the need for a technician to help with information gathering from old reports and to create digital records of that as they go.

Please see the attached, and happy to discuss further. This is not intended to be complete, but what I think are the highest needs moving forward.

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:** [Hayes, Miriam \(Nicole\)](#)  
**To:** [Berendzen, Steve](#)  
**Cc:** [Loya, Wendy](#); [Doug Damberg](#); [Joanna Fox](#)  
**Subject:** Re: Tribal Contacts  
**Date:** Tuesday, April 17, 2018 3:41:43 PM

---

Is Arctic Village Council the same as Arctic Village Traditional Council? Same with Venetie Village Council? Should there be separate levels to the Native Village of Fort Yukon and the Gwitchyaa Zhee Gwich'in Tribal Government or is it one in the same? Same with Naqsrarmiou Tribal Gov't and Village of Anaktuvuk Pass. In other references they are referenced as Gwitchyaa Zhee Gwich'in Tribal Gov't/Native Village of Fort Yukon.

Do you have contacts for Village of Arctic Village, Native Village of Nuiqsut, Native Village of Stevens, and Native Village of Barrow?

Thanks for your help with this.  
Nicole

**Nicole Hayes**  
Project Coordinator  
Bureau of Land Management  
222 W. 7th Avenue #13  
Anchorage, Alaska 99513  
Desk: (907) 271-4354

On Wed, Apr 4, 2018 at 6:33 PM, Berendzen, Steve <[steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)> wrote:

Nicole,

This is a listing of the Gwich 'in Tribal leaders for each village. I also included Kaktovik, but I understand that you likely have the North Slope contacts that I don't have, but I can look them up if necessary. Please let me know if you have any questions on this.

Native Village of Kaktovik  
Edward Rexford, President  
P.O. Box 52  
Kaktovik, AK 99747

Arctic Village Council  
Johnathan John, First Chief  
P.O. Box 22069  
Arctic Village, AK 99722

Venetie Village Council  
Patrick Simple, First Chief  
P.O. Box 119  
Venetie, AK 99781

Native Village of Venetie Tribal Government  
Steve Frank, First Chief  
P.O. Box 81080  
Venetie, AK 99781

Gwitchyaa Zhee Gwich'in Tribal Government  
Nancy James, First Chief  
P.O. Box 126

Fort Yukon, AK 99740

Beaver Traditional Council  
Rhonda Pitka, First Chief  
P.O. Box 24029 Beaver, AK 99724

Chalkyitsik Village Council  
Evert Nathaniel, First Chief  
P.O. Box 57, Chalkyitsik, AK 99788

Birch Creek Village Council  
Jacqueline Balaam, First Chief  
P.O. Box KBC, Ft. Yukon, AK 99740

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

**From:** [Wendy Loya](#)  
**To:** [John Trawicki](#)  
**Subject:** FW: New draft of SOW for north slope map  
**Date:** Tuesday, April 17, 2018 5:33:20 PM  
**Attachments:** [1002-LandCoverMapSOW-Draft\\_4-13-18.DOCX](#)

---

Here is where Janet finished, I think this is probably good to go, perhaps as a clean document but keeping track of comments?

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:** Jorgenson, Janet <[janet\\_jorgenson@fws.gov](mailto:janet_jorgenson@fws.gov)>  
**Sent:** Friday, April 13, 2018 2:29 PM  
**To:** Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>; Paul Leonard <[paul\\_leonard@fws.gov](mailto:paul_leonard@fws.gov)>  
**Subject:** New draft of SOW for north slope map

I left my comments here. They might help explain why I made some of the changes to text. I got Torre to rewrite the section on soils and environmental variables to be collected in the field. It is well worth getting better on-the-ground field data to improve the map classes.

--  
Janet C. Jorgenson  
Botanist  
Arctic National Wildlife Refuge  
101 12th Ave, Rm 236  
Fairbanks, Alaska 99701

907-456-0216

**From:** [Miriam \(Nicole\) Hayes](#)  
**To:** [Loya, Wendy](#)  
**Cc:** [Drew Crane](#)  
**Subject:** Re: timeline please?  
**Date:** Tuesday, April 17, 2018 5:36:57 PM

---

Hi Wendy,  
I'll provide an updated one first thing in the morning. I'll make sure to cc Drew.  
Thanks,  
Nicole

On Apr 17, 2018, at 3:30 PM, Loya, Wendy <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)> wrote:

Would like to send that out today if possible, if not, please send as soon as you can and cc Drew so he can distribute to other POCs and Regional Directors  
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:** [Richard Lanctot](#); [Christopher Latty](#)  
**Cc:** [Karen Murphy](#)  
**Subject:** RE: shorebird tags  
**Date:** Tuesday, April 17, 2018 5:39:59 PM

---

Hey Rick and Chris,

I am on annual leave 18<sup>th</sup>-29<sup>th</sup>. You can follow up with Karen Murphy and Tina Racy (our budget analyst) to figure out how to get the money to spend ☺

Cheers,  
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)

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**From:** Richard Lanctot <[richard\\_lanctot@fws.gov](mailto:richard_lanctot@fws.gov)>  
**Sent:** Tuesday, April 17, 2018 1:32 PM  
**To:** Christopher Latty <[christopher\\_latty@fws.gov](mailto:christopher_latty@fws.gov)>  
**Cc:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>  
**Subject:** Re: shorebird tags

I am going into dunker training now but will connect tomorrow. Rick

Sent from my iPhone

On Apr 17, 2018, at 12:14 PM, Christopher Latty <[christopher\\_latty@fws.gov](mailto:christopher_latty@fws.gov)> wrote:

Thanks for clarifying Wendy. In addition to our collaborative shorebird tagging work, we also have some growing partnerships for this summer to also tag geese and loons breeding on the refuge acp. I'll talk to rick and the other corroborators to make sure we are getting the best investment return for these fws funds to fill data gaps in the 1002.

Cheers  
Chris

Sent from my iPhone

On Apr 17, 2018, at 11:55 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Rick and Chris,

I should have added, that this is for any avian species and should be

directed where possible to improving our understanding of avian use of the Arctic Refuge.

Thank you,  
Wendy

---

**From:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>  
**Sent:** Tuesday, April 17, 2018 9:22 AM  
**To:** Richard Lanctot <[richard\\_lanctot@fws.gov](mailto:richard_lanctot@fws.gov)>; Christopher Latty <[christopher\\_latty@fws.gov](mailto:christopher_latty@fws.gov)>  
**Subject:** FW: shorebird tags

FYI

**From:** Murphy, Karen <[karen\\_a\\_murphy@fws.gov](mailto:karen_a_murphy@fws.gov)>  
**Sent:** Tuesday, April 17, 2018 9:12 AM  
**To:** Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>; Sarena Selbo <[sarena\\_selbo@fws.gov](mailto:sarena_selbo@fws.gov)>  
**Subject:** shorebird tags

Hi Wendy,  
Given what we think we may still have available in our Science Applications budget, I suggest that you tell Rick Lanctot that we can provide the funding (\$20K) for the shorebird tags. He'll need time to get that contract in place for such a large purchase so, if Sarena agrees, telling him before you leave today might make it easier on his schedule.

:)  
Karen

*Karen A Murphy*  
*Science Applications*  
*907-786-3501*  
[karen\\_a\\_murphy@fws.gov](mailto:karen_a_murphy@fws.gov)

**From:** [Wendy Loya](#)  
**To:** [Sarena Selbo](#)  
**Cc:** [Karen Murphy](#)  
**Subject:** Funding for 1002 related avian work  
**Date:** Tuesday, April 17, 2018 5:47:44 PM

From list of projects we planned to fund this year, we do not have \$80K, but OSA committed \$20k to be shared by Rick Lanctot and Chris Latty as they saw best. Karen, Sarena will work with Tina to see if this can be funded out of the 2017 funds Arctic has with FES (total \$100K).

<b>Birds</b>	Provide contemporary information on abundance, distribution, phenology, and habitat use patterns of non-breeding birds.	Identify important areas and key habitats for non-breeding birds to help guide leasing plans, EIS stipulations, and exploration and development activities and establish baseline data for future impact assessments. This project has been submitted to NFWF for funding.	\$ 80,000	\$20,000 from OSA to MBM and Arctic Refuge
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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:** [Andrea Medeiros](#); [Sara Boario](#); [Nicole Hayes](#)  
**Cc:** [Drew Crane](#)  
**Subject:** FAQs for FWS NOI for EIS DRAFT 041818.docx  
**Date:** Wednesday, April 18, 2018 2:22:21 AM  
**Attachments:** [FAQs for FWS NOI for EIS DRAFT 041818.docx](#)

---

Hi Andrea, Sara and Nicole,

I have made an attempt to help create information in the form of FAQs that the FWS can share in response to inquiries from communities, the public or others with regards to the release of the NOI for the EIS on Friday April 20th. Please see attached.

The goal was to have information that FWS External Affairs staff could use to provide initial information on the process, and directing further questions to BLM or DOI as needed. I am not clear if FWS External Affairs would want staff answering questions, so as this moves forward that should be communicated clearly. Nicole, we would be grateful for your edits to this sheet, including topics you think are better addressed by directing inquiries to BLM.

I am headed out of the office on Annual leave in a few hours ☺ and Drew will be the Regional Point of Contact for the 1002 team at FWS to ensure the right team members are included in follow up further with Andrea and Sara, especially Steve and Joanna at the Refuge.

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:** [Crane, Drew](#)  
**To:** [Mary Colligan](#); [Mitch Ellis](#); [Greg Siekaniec](#); [Clark, Karen](#); [Damberg, Doug](#); [Socheata Lor](#); [Eric Taylor](#)  
**Cc:** [John Trawicki](#); [Stephanie Brady](#); [Tracy Fischbach](#); [Wendy Loya](#); [Steve Berendzen](#); [Fox, Joanna](#)  
**Subject:** Fwd: timeline please?  
**Date:** Wednesday, April 18, 2018 10:35:54 AM  
**Attachments:** [TENTATIVE TIMELINE.docx](#)

---

Hi All,

Attached is BLM's updated Draft 1002 EIS Timeline reflecting a scoping notice coming out this week. Given the draft nature of the document, please do not share too widely. I'll be filling in for Wendy on 1002 related issues the rest of this week and next while she is out. Feel free to contact me with any questions.

Thank you,

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

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

**From:** **Hayes, Miriam (Nicole)** <[mnhayes@blm.gov](mailto:mnhayes@blm.gov)>  
**Date:** Wed, Apr 18, 2018 at 7:56 AM  
**Subject:** Re: timeline please?  
**To:** "Loya, Wendy" <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>  
**Cc:** Drew Crane <[drew\\_crane@fws.gov](mailto:drew_crane@fws.gov)>

Hi Wendy and Drew,

This is a tentative schedule with the tasks lumped. As soon as we award a contract we will break down timeline for steps like the alternatives development workshop.

Nicole

**Nicole Hayes**  
Project Coordinator  
Bureau of Land Management  
222 W. 7th Avenue #13  
Anchorage, Alaska 99513  
Desk: (907) 271-4354

On Tue, Apr 17, 2018 at 3:30 PM, Loya, Wendy <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)> wrote:

Would like to send that out today if possible, if not, please send as soon as you can and cc Drew so he can distribute to other POCs and Regional Directors  
Dr. Wendy M. Loya, Coordinator  
Office of Science Applications -Arctic Program

0000007934

US Fish and Wildlife Service  
Anchorage, Alaska  
907.786.3532 (office)  
907.277.2942 (mobile)

**From:** [Wendy Loya](#)  
**To:** [Miriam \(Nicole\) Hayes](#)  
**Cc:** [John Pearce](#); [drew\\_crane@fws.gov](mailto:drew_crane@fws.gov)  
**Subject:** Re: Friday meeting?  
**Date:** Wednesday, April 18, 2018 11:01:16 AM

---

Hi John and Nicole,

I don't think FWS has any real updates for the Friday 1002 science meeting with BLM & USGS. We are making progress on Statements of work for Vegetation mapping, NWI and NHD, but have not advanced to contracts or agreements. Drew is the regional contact for FWS this week so please loop him in if you would like to meet.

Thank you,  
Wendy

**From:** [Jeanne Osnas](#)  
**To:** [Loya, Wendy](#)  
**Subject:** Re: [EXTERNAL] Re: veg mapping for 1002  
**Date:** Wednesday, April 18, 2018 4:32:06 PM

---

Hi Wendy,

We just wanted to follow up with you about the progress on planning for the 1002 veg work. Are you planning on getting ground plot-based vegetation data this summer? Any guidance you can give us regarding planning for a proposal or anticipated field work would be most appreciated.

Thanks,  
Jeanne Osnas

On Tue, Apr 10, 2018 at 3:15 PM, Loya, Wendy <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)> wrote:

Thank you so much, Jeanne and Team! Janet and I will have a look at your work and be in touch for additional clarification as needed....

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, Apr 10, 2018 at 3:11 PM, Jeanne Osnas <[jlosnas@alaska.edu](mailto:jlosnas@alaska.edu)> wrote:

Hi Wendy,

We've revised the scope of work that you and Janet put together, hopefully clarifying the flow of the work, pieces it should integrate, and junctures where collaboration between FWS, remote sensing/GIS analysis teams and ecologists/botanists will be useful. Let us know if you'd like additional help adding more detail to specific sections of the document. We look forward to continuing conversations with you about ANWR vegetation work.

--Jeanne

On Tue, Apr 10, 2018 at 11:09 AM, Matthew Carlson <[mcarlson@alaska.edu](mailto:mcarlson@alaska.edu)> wrote:

Hello Wendy –

Jeanne just mentioned this morning that she was integrating in Jess's part this morning and would be sending it out shortly.

Thanks!

-Matt

Matthew L. Carlson, Ph.D.

Director

Alaska Center for Conservation Science

University of Alaska Anchorage

[3211 Providence Drive](#)

[Anchorage, Alaska 99508](#)

[\(907\) 786-6390](#)

---

**From:** Wendy Loya [mailto:[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)]

**Sent:** Tuesday, April 10, 2018 10:08 AM

**To:** Jess Grunblatt <[jgrunbla@alaska.edu](mailto:jgrunbla@alaska.edu)>; [mlcarlson@uaa.alaska.edu](mailto:mlcarlson@uaa.alaska.edu)

**Subject:** veg mapping for 1002

Hi Jess and Matt,

Janet and I will be meeting on Thursday to move ahead with a Statement of Work for an updated veg map for the Arctic Refuge Coastal Plain and it would be great to have your input by then.

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:** [Medeiros, Andrea](#)  
**To:** [Wendy Loya](#)  
**Cc:** [Sara Boario](#); [Nicole Hayes](#); [Drew Crane](#)  
**Subject:** Re: FAQs for FWS NOI for EIS DRAFT 041818.docx  
**Date:** Wednesday, April 18, 2018 5:02:22 PM  
**Attachments:** [Facebook Logo for Email Signature Block.png](#)  
[FAQs for FWS NOI for EIS DRAFT 041818 AJM.docx](#)

---

Hi Wendy,

A few suggested edits for these talking points. We might want to include the website address and/or contact information for those in the know at BLM.

---

Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
(907) 786-3695  
Mobile: (907) 227-4788

Connect with us:



On Wed, Apr 18, 2018 at 12:22 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi Andrea, Sara and Nicole,

I have made an attempt to help create information in the form of FAQs that the FWS can share in response to inquiries from communities, the public or others with regards to the release of the NOI for the EIS on Friday April 20th. Please see attached.

The goal was to have information that FWS External Affairs staff could use to provide initial information on the process, and directing further questions to BLM or DOI as needed. I am not clear if FWS External Affairs would want staff answering questions, so as this moves forward that should be communicated clearly. Nicole, we would be grateful for your edits to this sheet, including topics you think are better addressed by directing inquiries to BLM.

I am headed out of the office on Annual leave in a few hours ☺ and Drew will be the Regional Point of Contact for the 1002 team at FWS to ensure the right team members are included in follow up further with Andrea and Sara, especially Steve and Joanna at the Refuge.

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:** [Hayes, Miriam \(Nicole\)](#)  
**To:** [Twitchell, Hollis](#)  
**Cc:** [Wendy Loya](#); [Fox, Joanna](#); [Steve Berendzen](#); [Doug Damberg](#)  
**Subject:** Re: Tribal Contacts  
**Date:** Thursday, April 19, 2018 2:48:48 PM

---

Thank you, Hollis. BLM intends to send invitations to consult to ALL of the Native organizations previously identified by FWS early next week, and we will follow up with them informally to see if they wish to consult formally.

Thanks again,  
Nicole

**Nicole Hayes**  
Project Coordinator  
Bureau of Land Management  
222 W. 7th Avenue #13  
Anchorage, Alaska 99513  
Desk: (907) 271-4354

On Wed, Apr 18, 2018 at 4:03 PM, Twitchell, Hollis <[hollis\\_twitchell@fws.gov](mailto:hollis_twitchell@fws.gov)> wrote:

Nicole wrote asking:

Is Arctic Village Council the same as Arctic Village Traditional Council? Same with Venetie Village Council? Should there be separate levels to the Native Village of Fort Yukon and the Gwitchyaa Zhee Gwich'in Tribal Government or is it one in the same? Same with Naqsrarmiou Tribal Gov't and Village of Anaktuvuk Pass. In other references they are referenced as Gwitchyaa Zhee Gwich'in Tribal Gov't/Native Village of Fort Yukon.

Do you have contacts for Village of Arctic Village, Native Village of Nuiqsut, Native Village of Stevens, and Native Village of Barrow?

Thanks for your help with this.  
Nicole

**Nicole Hayes**  
Project Coordinator  
Bureau of Land Management  
[222 W. 7th Avenue #13](#)  
[Anchorage, Alaska 99513](#)  
Desk: (907) 271-4354

Nicole, to answer your questions:

The villages of Venetie and Arctic Village each have their own Native Village Councils and we consult with each of them individually. Each Village Council is responsible for management decisions within that particular village community. Both villages are located within the former Venetie Indian Reservation (now known as "Venetie Tribal Lands") since they opted out of the Alaska Native Claims Settlement Act in order to retain their full land estate. There is no ANCSA corporation structure in these villages.

Both Venetie and Arctic Village communities belong to the Native Village of Venetie Tribal Government. Four members of the Tribal Council live in Venetie and four members of the Tribal Council live in Arctic Village. Out of respect and to meet our DOI/FWS consultation mandates, Arctic Refuge formally consults on a regular bases

with each of these Councils (villages and tribal). However, only the Native Village of Venetie Tribal Government is recognized as a Federal Tribe for Government to Government consultation purposes.

In Fort Yukon, we formally consult with the Gwitchyaa Zhee Gwich'in Tribal Government on a Government to Government bases, and informally consult with the Council of Athabaskan Tribal Governments. We have not been consulting with the Native Village of Fort Yukon.

Because of the significant distances between Arctic Refuge and Stevens Village, Nuiqsut, Anaktuvuk Pass, Barrow and Beaver, we do not routinely consult with these villages unless they request us to meet with them. We have on several occasion formally consult with Barrow and ICAS upon their requests when significant issues needed to be address such as the Refuge's Comprehensive Conservation Plan or the FWS National and Alaska Native Relations Policies.

When there is a substantive issue to be addressed we contact all Native organizations or councils (local or otherwise) and inquire what level of communication, involvement, or consultation either formal or informal they would like to have. Tribes and Councils have many demands upon them and often are short staffed, best to let them tell you what fit their needs best.

--

Hollis Twitchell  
Assistant Manager  
Arctic Refuge  
907 456-0512 w  
907 378-5732 c

**From:** [Hayes, Miriam \(Nicole\)](#)  
**To:** [Fox, Joanna](#)  
**Cc:** [Wendy Loya](#); [Steve Berendzen](#); [Doug Damberg](#); [Twitchell, Hollis](#); [Drew Crane](#)  
**Subject:** Re: Tribal Contacts  
**Date:** Thursday, April 19, 2018 2:48:59 PM

---

Thank you, Joanna.  
Nicole

**Nicole Hayes**  
Project Coordinator  
Bureau of Land Management  
222 W. 7th Avenue #13  
Anchorage, Alaska 99513  
Desk: (907) 271-4354

On Thu, Apr 19, 2018 at 12:44 PM, Fox, Joanna <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)> wrote:

Good morning Nicole,

Following are the contacts I have for the Arctic Village Council, Stevens Village IRA Tribal Council, and Native Village of Barrow :

Arctic Village Council  
Johnathan John, First Chief  
P.O. Box 22069  
Arctic Village, AK 99722

Stevens Village IRA Tribal Council  
Michael Simon, First Chief  
P.O. Box 16  
Stevens Village 99774

Native Village of Barrow Inupiat Traditional Government

P.O. Box 1130  
Utqiagvik, AK 99723

We have not worked or consulted with the Native Village of Nuiqsut, so I do not have any contact information for them. I also don't have a current contact for the Native Village of Barrow Inupiat Traditional Government, as we have worked more closely with the North Slope Borough and the North Slope Regional Advisory Council - not the tribal government there.

Thank you,  
Joanna

---

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

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

On Wed, Apr 18, 2018 at 4:03 PM, Twitchell, Hollis <[hollis\\_twitchell@fws.gov](mailto:hollis_twitchell@fws.gov)> wrote:

Nicole wrote asking:

Is Arctic Village Council the same as Arctic Village Traditional Council? Same with Venetie Village Council? Should there be separate levels to the Native Village of Fort Yukon and the Gwitchyaa Zhee Gwich'in Tribal Government or is it one in the same? Same with Naqsrarmiou Tribal Gov't and Village of Anaktuvuk Pass. In other references they are referenced as Gwitchyaa Zhee Gwich'in Tribal Gov't/Native Village of Fort Yukon.

Do you have contacts for Village of Arctic Village, Native Village of Nuiqsut, Native Village of Stevens, and Native Village of Barrow?

Thanks for your help with this.  
Nicole

**Nicole Hayes**

Project Coordinator  
Bureau of Land Management  
[222 W. 7th Avenue #13](#)  
[Anchorage, Alaska 99513](#)  
Desk: (907) 271-4354

Nicole, to answer your questions:

The villages of Venetie and Arctic Village each have their own Native Village Councils and we consult with each of them individually. Each Village Council is responsible for management decisions within that particular village community. Both villages are located within the former Venetie Indian Reservation (now known as "Venetie Tribal Lands") since they opted out of the Alaska Native Claims Settlement Act in order to retain their full land estate. There is no ANCSA corporation structure in these villages.

Both Venetie and Arctic Village communities belong to the Native Village of Venetie Tribal Government. Four members of the Tribal Council live in Venetie and four members of the Tribal Council live in Arctic Village. Out of respect and to meet our DOI/FWS consultation mandates, Arctic Refuge formally consults on a regular bases with each of these Councils (villages and tribal). However, only the Native Village of Venetie Tribal Government is recognized as a Federal Tribe for Government to Government consultation purposes.

In Fort Yukon, we formally consult with the Gwitchyaa Zhee Gwich'in Tribal Government on a Government to Government bases, and informally consult with the Council of Athabascan Tribal Governments. We have not been consulting with the Native Village of Fort Yukon.

Because of the significant distances between Arctic Refuge and Stevens Village, Nuiqsut, Anaktuvuk Pass, Barrow and Beaver, we do not routinely consult with these villages unless they request us to meet with them. We have on several occasion formally consult with Barrow and ICAS upon their requests when significant issues needed to be address such as the Refuge's Comprehensive Conservation Plan or the FWS National and Alaska Native Relations Policies.

When there is a substantive issue to be addressed we contact all Native organizations or councils (local or otherwise) and inquire what level of communication, involvement, or consultation either formal or informal they would like to have. Tribes and Councils have many demands upon them and often are short staffed, best to let them tell you what fit their needs best.

--

Hollis Twitchell  
Assistant Manager  
Arctic Refuge  
907 456-0512 w  
907 378-5732 c

**From:** [Crane, Drew](#)  
**To:** [Andrea Medeiros](#); [Sara Boario](#)  
**Cc:** [John Trawicki](#); [Wendy Loya](#)  
**Subject:** Fwd: Documents to share  
**Date:** Thursday, April 19, 2018 3:14:21 PM  
**Attachments:** [CoastalPlain\\_Q\\_A.pdf](#)  
[DTS 1996 Coastal Plain EIS NOI 4.16.18.docx](#)  
[Coastal Plain NOI News Release 04.19.18.pdf](#)

---

FYI in case you did not receive these already. BLM's outreach documents and the NOI.

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

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

**From:** **Hayes, Miriam (Nicole)** <[mnhayes@blm.gov](mailto:mnhayes@blm.gov)>  
**Date:** Thu, Apr 19, 2018 at 1:07 PM  
**Subject:** Documents to share  
**To:** Drew Crane <[drew\\_crane@fws.gov](mailto:drew_crane@fws.gov)>

Here you go!

**Nicole Hayes**  
Project Coordinator  
Bureau of Land Management  
222 W. 7th Avenue #13  
Anchorage, Alaska 99513  
Desk: (907) 271-4354

**From:** [Murphy, Karen](#)  
**To:** [Christopher Latty](#)  
**Cc:** [Wendy Loya](#); [Sarena Selbo](#)  
**Subject:** Re: shorebird tags  
**Date:** Thursday, April 19, 2018 4:15:52 PM

---

Hi Chris,  
I spoke to Tina Racy this morning. She said that she will "RDS" the \$20K into MBM's account once we get our appropriations. We have no idea when that will be and there is a risk that we will not be receiving the funds that we expect. You will need to decide on your risk tolerance and make the purchases through your MBM codes with the expectation, but not full certainty, of getting reimbursed. When our dollars arrive, we will get an account code from you to move the money into.

Sorry that there isn't a better approach,  
Karen

*Karen A Murphy*  
*Science Applications*  
*907-786-3501*  
[karen\\_a\\_murphy@fws.gov](mailto:karen_a_murphy@fws.gov)

On Tue, Apr 17, 2018 at 3:54 PM, Christopher Latty <[christopher\\_latty@fws.gov](mailto:christopher_latty@fws.gov)> wrote:

Hi Karen,

Some of the 20 K allocated to tagging studies will likely be spent in small amounts that could be charged to micro purchases on credit cards. Easiest option is probably simply to provide me with a cost code and I can use that along with my credit card to accomplish these and then provide you the purchase information after it's completed, but if you'd rather do the purchasing that's fine too. We will probably have to go through contracting for at least one item, so let me know how you would prefer to accomplish that. Rick should have all the contracting paperwork completed from prior purchases through that vendor so it might be easiest to have him organize it all, but again, whatever works best for you works best for us. :-)

Anyway – just let me know what is simplest for you and I'll start moving forward with getting some of these purchases accomplished.

Cheers,  
Chris

Begin forwarded message:

**From:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>  
**Date:** April 17, 2018 at 3:39:59 PM AKDT  
**To:** Richard Lanctot <[richard\\_lanctot@fws.gov](mailto:richard_lanctot@fws.gov)>, Christopher Latty <[christopher\\_latty@fws.gov](mailto:christopher_latty@fws.gov)>  
**Cc:** Karen Murphy <[karen\\_a\\_murphy@fws.gov](mailto:karen_a_murphy@fws.gov)>  
**Subject:** RE: shorebird tags

Hey Rick and Chris,

I am on annual leave 18<sup>th</sup>-29<sup>th</sup>. You can follow up with Karen Murphy and Tina Racy (our budget analyst) to figure out how to get the money to spend ☺

Cheers,

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:** Richard Lanctot <[richard\\_lanctot@fws.gov](mailto:richard_lanctot@fws.gov)>

**Sent:** Tuesday, April 17, 2018 1:32 PM

**To:** Christopher Latty <[christopher\\_latty@fws.gov](mailto:christopher_latty@fws.gov)>

**Cc:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>

**Subject:** Re: shorebird tags

I am going into dunker training now but will connect tomorrow. Rick

Sent from my iPhone

On Apr 17, 2018, at 12:14 PM, Christopher Latty <[christopher\\_latty@fws.gov](mailto:christopher_latty@fws.gov)> wrote:

Thanks for clarifying Wendy. In addition to our collaborative shorebird tagging work, we also have some growing partnerships for this summer to also tag geese and loons breeding on the refuge

acp. I'll talk to rick and the other corroborators to make sure we are getting the best investment return for these fws funds to fill data gaps in the 1002.

Cheers

Chris

Sent from my iPhone

On Apr 17, 2018, at 11:55 AM, Wendy Loya  
<[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Rick and Chris,

I should have added, that this is for any avian species and should be directed where possible to improving our understanding of avian use of the Arctic Refuge.

Thank you,

Wendy

---

**From:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>  
**Sent:** Tuesday, April 17, 2018 9:22 AM  
**To:** Richard Lanctot <[richard\\_lanctot@fws.gov](mailto:richard_lanctot@fws.gov)>;  
Christopher Latty <[christopher\\_latty@fws.gov](mailto:christopher_latty@fws.gov)>  
**Subject:** FW: shorebird tags

FYI

**From:** Murphy, Karen <[karen\\_a\\_murphy@fws.gov](mailto:karen_a_murphy@fws.gov)>  
**Sent:** Tuesday, April 17, 2018 9:12 AM  
**To:** Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>; Sarena Selbo

[<sarena\\_selbo@fws.gov>](mailto:sarena_selbo@fws.gov)

**Subject:** shorebird tags

Hi Wendy,

Given what we think we may still have available in our Science Applications budget, I suggest that you tell Rick Lanctot that we can provide the funding (\$20K) for the shorebird tags. He'll need time to get that contract in place for such a large purchase so, if Sarena agrees, telling him before you leave today might make it easier on his schedule.

:)

Karen

*Karen A Murphy*

*Science Applications*

*907-786-3501*

*[karen\\_a\\_murphy@fws.gov](mailto:karen_a_murphy@fws.gov)*

**From:** [Crane, Drew](#)  
**To:** [Damberg, Doug](#); [Mitch Ellis](#)  
**Cc:** [Wendy Loya](#)  
**Subject:** One more FYI on 1002  
**Date:** Friday, April 20, 2018 2:48:31 PM

---

Also from Nicole at BLM:

"Steve Wackowski and Joe Balash may be setting up a meeting to meet with Refuge staff next week.  
Greg Siekaniec is in the loop."

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:** [Clark, Karen](#)  
**To:** [Crane, Drew](#)  
**Cc:** [Wendy Loya](#)  
**Subject:** Re: USGS Geospatial Product Service Contract  
**Date:** Friday, April 20, 2018 6:11:42 PM

---

Thanks Drew. I talked to Aimee and there are no concerns. Appreciate your help!

Karen

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

On Fri, Apr 20, 2018 at 9:46 AM, Crane, Drew <[drew\\_crane@fws.gov](mailto:drew_crane@fws.gov)> wrote:

Hi Karen,

Here'e the info regarding USGS and the potential for mapping services I mentioned. One more email to follow.

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

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

From: **Murphy, Karen** <[karen\\_a\\_murphy@fws.gov](mailto:karen_a_murphy@fws.gov)>  
Date: Tue, Apr 17, 2018 at 2:38 PM  
Subject: Fwd: USGS Geospatial Product Service Contract  
To: Drew Crane <[drew\\_crane@fws.gov](mailto:drew_crane@fws.gov)>

Drew,  
Sorry, I grabbed the wrong "Drew" email address! Please see the message below.

Karen

*Karen A Murphy  
Science Applications*

907-786-3501  
[karen\\_a\\_murphy@fws.gov](mailto:karen_a_murphy@fws.gov)

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

From: **Karen Murphy** <[karen\\_a\\_murphy@fws.gov](mailto:karen_a_murphy@fws.gov)>  
Date: Tue, Apr 17, 2018 at 1:07 PM  
Subject: Fwd: USGS Geospatial Product Service Contract  
To: Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>, Drew\_Grimes <[Drew\\_Grimes@fws.gov](mailto:Drew_Grimes@fws.gov)>

Hi Wendy and Drew,  
The link below will get you to the "GPSC" website. GPSC is a branch within USGS. When I chatted with Brian Wright this morning he told me that GPSC will do NHD as well as Lidar. They will do all of the competing and managing of contracts, and there is only a 5% overhead rate. This might be a good way to accomplish the 1002 area NHD if the funding comes through.

Drew, Wendy said you are likely to be the lead on this. Brian Wright will be your local contact to get something into, and through, GPSC.

I hope this is helpful!  
Karen

Sent from my iPad

Begin forwarded message:

**From:** "Wright, Brian" <[bwright@usgs.gov](mailto:bwright@usgs.gov)>  
**Date:** April 17, 2018 at 12:15:30 PM AKDT  
**To:** Karen Murphy <[karen\\_a\\_murphy@fws.gov](mailto:karen_a_murphy@fws.gov)>  
**Subject:** USGS Geospatial Product Service Contract

<https://geodatacontracts.er.usgs.gov/>

--

Brian Wright  
National Map Liaison - Alaska  
US Geological Survey  
[4210 University Drive](#)  
Grace Hall, Room 228  
Anchorage, AK 99508  
Office/Cell: 907-201-0113  
Email: [bwright@usgs.gov](mailto:bwright@usgs.gov)

**[The National Map](#)** - Your Source for Topographic



**From:** [Crane, Drew](#)  
**To:** [Trawicki, John](#)  
**Cc:** [Wendy Loya](#); [Damberg, Doug](#); [Tracy Fischbach](#); [Fox, Joanna](#); [Steve Berendzen](#); [Eric Taylor](#); [Stephanie Brady](#)  
**Subject:** Re: FYI on 1002  
**Date:** Monday, April 23, 2018 11:21:09 AM

---

Nicole suggested all the individuals submitted as IDT members and then this core team of leaders would probably be good.

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 Sat, Apr 21, 2018 at 11:06 AM, Trawicki, John <[john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov)> wrote:

Drew-

What is meant by relevant staff? Please reply to all.

john t

On Fri, Apr 20, 2018 at 12:46 PM, Crane, Drew <[drew\\_crane@fws.gov](mailto:drew_crane@fws.gov)> wrote:

From Nicole at BLM:

"We do not have a meeting location/time set up but we will be holding an internal scoping meeting on 5/3 with the contractor. Please have the relevant staff block their calendars (IDT). Meeting invite will be forthcoming."

I'll be sure to forward any additional info I get.

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

--

John Trawicki  
Water Resources Branch Chief  
National Wildlife Refuge System, Alaska  
U.S. Fish and Wildlife Service

0000007955

[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:** [Fox, Joanna](#)  
**Cc:** [Wendy Loya](#); [Steve Berendzen](#)  
**Subject:** Re: Save the Date - May 3 - 1002 Scoping Mtg w/BLM  
**Date:** Monday, April 23, 2018 1:49:51 PM

---

Gotcha, I had sent out the save the date to FES but figured I would cover my bases and send one out to the IDT team. John asked if I could reach out to refuge folks since he was out.

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 Mon, Apr 23, 2018 at 11:16 AM, Fox, Joanna <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)> wrote:

Hi Drew,

We have asked all of our staff members who are part of the IDT to hold May 3 open for this meeting.

I believe we mentioned it during one of our recent weekly internal coastal plain meetings, but as a reminder, Janet Jorgenson has announced her retirement, effective the end of this week, and will not be filling a role on the IDT team. We don't have anyone else on staff with the same skill set, so this definitely leaves a hole in the team. We will be trying to refill this position quickly, and expect it will be announced on the next call for lateral reassignments.

Thanks!  
Joanna

---

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

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

On Mon, Apr 23, 2018 at 11:10 AM, Crane, Drew <[drew\\_crane@fws.gov](mailto:drew_crane@fws.gov)> wrote:

Hi All,

With the announcement of the scoping notice for the 1002 EIS, BLM has also awarded a contract to a

0000007957

consultant to help develop the document. As a part of the contract, an internal scoping meeting with BLM and FWS will be held on May 3. A location and time have not been identified yet, but an invitation will be sent out once they are. As members of the IDT team from FWS that we put forward, you may be requested to attend this meeting. Wendy or I will forward any additional information that we receive on this topic.

Thank you,

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:** [Jones, Nichelle \(Shelly\)](#)  
**To:** [Wendy Loya](#); [Steve Berendzen](#); [Fox, Joanna](#); [Nolan Heath](#); [Marlo Draper](#); [Sveinoha, Wayne](#); [Debora Nigro](#); [Donna Wixon](#); [Joseph Keeney](#); [Krystal Debenham \(Melody\)](#); [Lonnie Bryant](#); [Matt Whitman](#); [Richard Kemnitz](#); [Roy Nageak](#); [Sarah LaMarr](#); [Stacey Fritz](#); [Terra Meares](#); [Timothy Vosburgh](#); [Hamfler, Cindy L](#)  
**Subject:** Schedule Change-Conoco Eco Monitoring Updates  
**Date:** Tuesday, April 24, 2018 10:58:09 AM

---

Hey All:

This is an update to the schedule for those that have been interested in calling in or attending these informative session with the Arctic District and Conoco. There are 2 more updates covering the vegetation and subsistence data collection being conducted in the vicinity of the developments in NPR-A. The next topic is Ecological Land Survey, Integrated Terrain Unit Mapping, Rare Plant Surveys. It was originally scheduled for May 2, however it is being postponed until May 16 at 8:30 am. It will replace the subsistence session originally scheduled for 5/16. The subsistence session is now being rethought for either 5/24 or 30. I will send out a separate reminder and update when that session is finalized. If you are in Fairbanks, you are welcome to join us in the Arctic Conference Room. If you are calling in, the Phone Bridge number is:

[BLM-AK FDO Bridge](#) **b5-CIP** [Passcode](#) **b5-CIP**

The webex info will be as follows:

Meeting Date: 05/16/2018  
Meeting Time: 8:30 AK Time

Instant Net Conference Details:

-----  
Meeting Number: **b5-CIP**  
Meeting Passcode:  
Meeting Host: CINDY HAMFLER

Join Instructions for Instant Net Conference:

1. Join the meeting now:  
**b5-CIP**
2. Enter the required fields.
3. Indicate that you have read the Privacy Policy.
4. Click on Proceed.

The remaining meetings are as follows:

**May 16 – Ecological Land Survey, Integrated Terrain Unit Mapping, Rare Plant Surveys 8:30am-10:30am**

**May 24 or 30 -Subsistence 9am – 12pm **New!****

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

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

**From:** [Murphy, Karen](#)  
**To:** [Sarena Selbo](#)  
**Cc:** [Amy Pocewicz](#); [Wendy Loya](#)  
**Subject:** budget sheet  
**Date:** Tuesday, April 24, 2018 5:50:21 PM  
**Attachments:** [April FY18 budget\\_projects \(1\).xlsx](#)

---

Sarena,  
Here's the budget workbook for FY18 projects. I can print the "RDT Version" if it looks okay to you.

I hope it makes sense.

Karen

*Karen A Murphy*  
*Science Applications*  
907-786-3501  
[karen\\_a\\_murphy@fws.gov](mailto:karen_a_murphy@fws.gov)

**From:** [Wendy Loya](#)  
**To:** [Paul Leonard](#)  
**Subject:** Fwd: Structure for motion in the 1002 Area of the Arctic Refuge  
**Date:** Tuesday, April 24, 2018 11:50:03 PM

---

FYI, Next week we should try to get all SFM interested parties connected to outline specific needs and what quality data would meet those needs. Maybe have a quick chat with Greta? May 3rd looks like a meeting with contractor for EIS, details to come but good to have you there with spatial data plan :)

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:** "Burkart, Greta" <[greta\\_burkart@fws.gov](mailto:greta_burkart@fws.gov)>  
**Date:** April 25, 2018 at 02:59:24 GMT+1  
**To:** Mark Laker <[mark\\_laker@fws.gov](mailto:mark_laker@fws.gov)>, Matt Nolan <[matt@drmattnolan.org](mailto:matt@drmattnolan.org)>  
**Cc:** John Trawicki <[John\\_Trawicki@fws.gov](mailto:John_Trawicki@fws.gov)>, Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>  
**Subject:** Structure for motion in the 1002 Area of the Arctic Refuge

Hi Matt,

I heard you might be doing structure for motion work to create better digital elevation models for the 1002 Area of the Arctic National Wildlife Refuge. I just talked to Matt Nolan who is also planning to do structure for motion work and he thought it might be good for the two of you to maximize efficiencies to get better coverage during different seasons. Matt has been planning to do SFM in the summer, but also has a strong interest in winter snow pack. I have copied him on this email.

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](mailto:greta_burkart@fws.gov)  
[www.facebook.com/arcticnationalwildliferefuge](http://www.facebook.com/arcticnationalwildliferefuge)

**From:** [Burkart, Greta](#)  
**To:** [Matt Nolan](#)  
**Cc:** [Mark Laker](#); [Paul Leonard](#); [Wendy Loya](#); [John Trawicki](#)  
**Subject:** Re: [EXTERNAL] RE: Structure for motion in the 1002 Area of the Arctic Refuge  
**Date:** Wednesday, April 25, 2018 2:29:37 PM

---

Hi Everyone,

I just wanted to make sure everyone figures into their budget calculations that the only fuel will be available will be at Kavik at a cost of about 10.50 to 13.50 gallon. We no longer have a refueling site in Kaktovik, but it may be possible to get barrels of fuel there, but the cost will be at least \$20-25 per gallon and we would have to know about it right away so the Refuge can make plans for getting fuel up there.

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](mailto:greta_burkart@fws.gov)  
[www.facebook.com/arcticonationalwildliferefuge](http://www.facebook.com/arcticonationalwildliferefuge)

On Wed, Apr 25, 2018 at 11:58 AM, Burkart, Greta <[greta\\_burkart@fws.gov](mailto:greta_burkart@fws.gov)> wrote:

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](mailto:greta_burkart@fws.gov)  
[www.facebook.com/arcticonationalwildliferefuge](http://www.facebook.com/arcticonationalwildliferefuge)

On Wed, Apr 25, 2018 at 11:16 AM, Matt Nolan <[matt@fairbanksfodar.com](mailto:matt@fairbanksfodar.com)> wrote:

Hi Greta, Mark. Yes, I'm planning to map the entire 1002 and all of the glaciers again this summer. I will probably only map part of it this winter before snow melt begins but the balance next winter. I'd be curious if there are other efforts planned. I'm heading up there this weekend. -Matt

**From:** Burkart, Greta [mailto:[greta\\_burkart@fws.gov](mailto:greta_burkart@fws.gov)]  
**Sent:** Wednesday, April 25, 2018 11:01 AM  
**To:** Mark Laker <[mark\\_laker@fws.gov](mailto:mark_laker@fws.gov)>  
**Cc:** [matt@fairbanksfodar.com](mailto:matt@fairbanksfodar.com)  
**Subject:** Re: Structure for motion in the 1002 Area of the Arctic Refuge

Hi again,

I am forwarding this message to the correct email address for Matt Nolan.

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](mailto:greta_burkart@fws.gov)

[www.facebook.com/arcticonationalwildliferefuge](http://www.facebook.com/arcticonationalwildliferefuge)

On Tue, Apr 24, 2018 at 5:59 PM, Burkart, Greta <[greta\\_burkart@fws.gov](mailto:greta_burkart@fws.gov)> wrote:

Hi Matt,

I heard you might be doing structure for motion work to create better digital elevation models for the 1002 Area of the Arctic National Wildlife Refuge. I just talked to Matt

Nolan who is also planning to do structure for motion work and he thought it might be good for the two of you to maximize efficiencies to get better coverage during different seasons. Matt has been planning to do SFM in the summer, but also has a strong interest in winter snow pack. I have copied him on this email.

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](mailto:greta_burkart@fws.gov)

[www.facebook.com/arcticonationalwildliferefuge](http://www.facebook.com/arcticonationalwildliferefuge)

**From:** [Mark Laker](#)  
**To:** [paul\\_leonard@fws.gov](mailto:paul_leonard@fws.gov); [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)  
**Subject:** Fwd: Photogrammetry of ANWR 1002 Lands Proposal  
**Date:** Wednesday, April 25, 2018 9:39:55 PM  
**Attachments:** [Untitled attachment\\_03574.htm](#)  
[2018\\_HighResolutionOrthoimagery\\_ANWR\\_1002.docx](#)

---

Paul,

Here is original proposal for a basic ortho. It would require gcp for <10cm

M

Sent from my iPhone

Begin forwarded message:

**From:** "Laker, Mark" <[mark\\_laker@fws.gov](mailto:mark_laker@fws.gov)>  
**Date:** April 2, 2018 at 3:32:37 PM AKDT  
**To:** Nathan Olson <[nathan\\_olson@fws.gov](mailto:nathan_olson@fws.gov)>  
**Cc:** John Morton <[John\\_M\\_Morton@fws.gov](mailto:John_M_Morton@fws.gov)>  
**Subject:** **Photogrammetry of ANWR 1002 Lands Proposal**

Here is a basic proposal to photograph the 1002 lands with the Commander.

thx,

m

--

---

Mark Laker - Ecologist  
Kenai National Wildlife Refuge  
(907) 260-2809 phone  
(907) 398-9589 cell

**From:** [Mike.Suitor@gov.yk.ca](mailto:Mike.Suitor@gov.yk.ca)  
**To:** [paul\\_leonard@fws.gov](mailto:paul_leonard@fws.gov)  
**Cc:** [wendy\\_Loya@fws.gov](mailto:wendy_Loya@fws.gov)  
**Subject:** RE: [EXTERNAL] Re: Updating the Sensitive Habitats of Porcupine Caribou  
**Date:** Thursday, April 26, 2018 12:08:44 PM  
**Attachments:** [YukonNS\\_PEM\\_2017\\_12\\_22\\_700K\\_lowres\\_20170106.pdf](#)  
[WMAC\\_NorthSlopeUpdate\\_20170508.pdf](#)

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Here is a map of our recent project area. Ivavik and Vuntut National Parks are mapped using the same technique. The conceptual pieces for the larger program can be found here:  
[http://www.env.gov.yk.ca/animals-habitat/elcprogram\\_projects.php](http://www.env.gov.yk.ca/animals-habitat/elcprogram_projects.php)

We do have an Arctic Vegetation Associations for the Territory on which the map was based and of course the final report for the creation of this product. They are both quite large so I couldn't email but I can send if you want to see more. In the intern I've also attached a pdf of a presentation given to one of the wildlife management councils that drove this (Wildlife Management Advisory Council North Slope). Some slides probably won't make much sense but others give you a sense of the approach. Please do not distribute widely!

Let me know if you have any further questions.

M.

**From:** Leonard, Paul [mailto:[paul\\_leonard@fws.gov](mailto:paul_leonard@fws.gov)]  
**Sent:** Tuesday, April 10, 2018 2:10 PM  
**To:** Mike.Suitor <[Mike.Suitor@gov.yk.ca](mailto:Mike.Suitor@gov.yk.ca)>  
**Cc:** Wendy Loya <[wendy\\_Loya@fws.gov](mailto:wendy_Loya@fws.gov)>  
**Subject:** Re: [EXTERNAL] Re: Updating the Sensitive Habitats of Porcupine Caribou

Hi Mike,

Thanks for the document and productive call yesterday. I've been tracking down some information regarding human footprint this morning. I'm attaching what I believe to be the most current line work available for the refuge.

Please find attached shapefiles.

There are at least 2 ongoing coarse-scale looks at human footprint that span the entire state of Alaska -- and might be of interest. I will review these projects and any others that I uncover and circle back with you about their potential utility.

Cheers,  
Paul

On Tue, Apr 10, 2018 at 11:32 AM, <[Mike.Suitor@gov.yk.ca](mailto:Mike.Suitor@gov.yk.ca)> wrote:

Hi Paul and Wendy,

Here is the historic document I referred to on the Movements and Distributions of the PCH 1970-

1990. We will have the updated version to present available shortly and this forms the basis of the Sensitive Habitats update.

Mike

---

**From:** Paul Leonard [mailto:[paul\\_leonard@fws.gov](mailto:paul_leonard@fws.gov)]  
**Sent:** Monday, April 09, 2018 12:05 PM  
**To:** Mike.Suitor  
**Subject:** Re: [EXTERNAL] Re: Updating the Sensitive Habitats of Porcupine Caribou

Hi Mike,

I'm available for the next hour or so today and then my schedule is fairly open tomorrow and Thursday.

If today works feel free to give me a buzz @ 907.456.0445

Cheers,  
Paul

Paul Leonard, PhD  
Science Coordinator  
Arctic Landscape Conservation Cooperative  
101 12th Ave. Room 216  
Fairbanks, AK 99709  
(907) 456-0445

On Apr 9, 2018, at 8:12 AM, <[Mike.Suitor@gov.yk.ca](mailto:Mike.Suitor@gov.yk.ca)> <[Mike.Suitor@gov.yk.ca](mailto:Mike.Suitor@gov.yk.ca)> wrote:

Hi Paul, maybe we could discuss on the phone later today or this week?

Mike Suitor  
Regional Biologist, North Yukon Region  
Fish and Wildlife, Environment Yukon  
(867) 993-6461

---

**From:** Leonard, Paul <[paul\\_leonard@fws.gov](mailto:paul_leonard@fws.gov)>  
**Sent:** Wednesday, April 4, 2018 4:02 PM  
**To:** Mike.Suitor  
**Subject:** Re: Updating the Sensitive Habitats of Porcupine Caribou

Hi again Mike,

We were having some internal discussions at FWS the other day and there is a lot of interest in this work. We are trying to wrap our heads around the scope of work that has been done so we can better plan for other caribou priorities. I know you mentioned that you were hoping to hand off a draft for PCTC review but I was curious if there is a way that you could pass along an abstract?

Feel free to give a shout to discuss if that would be easier.

Cheers,  
Paul

On Wed, Mar 7, 2018 at 4:59 PM, <[Mike.Suitor@gov.yk.ca](mailto:Mike.Suitor@gov.yk.ca)> wrote:  
You bet Paul. Ill put some thought into other products that need developing. I am working to develop habitat models for the herd right now

Mike Suitor  
Regional Biologist, North Yukon  
Fish and Wildlife, Environment Yukon  
(867) 993-6461

On Mar 7, 2018, at 3:18 PM, Leonard, Paul <[paul\\_leonard@fws.gov](mailto:paul_leonard@fws.gov)> wrote:

Hi Mike,

Wow, This is great news!!

Perhaps we can move the discussion to focusing on another PCH priority!

If you wouldn't mind, could you keep me updated on the progress of the report?

Cheers,  
Paul

On Wed, Mar 7, 2018 at 2:12 PM, <[Mike.Suitor@gov.yk.ca](mailto:Mike.Suitor@gov.yk.ca)> wrote:

Hi Paul, better than thinking about doing it, we've pretty much done it! All of the data crunching is complete, maps are. Holy, research is done. We do have to build one footprint map for anthropogenic activities but beyond that we will be in draft review with the members of the pctc. Thanks for the note though!

Mike Suitor  
Regional Biologist, North Yukon  
Fish and Wildlife, Environment Yukon  
(867) 993-6461

On Mar 7, 2018, at 1:09 PM, Leonard, Paul <[paul\\_leonard@fws.gov](mailto:paul_leonard@fws.gov)> wrote:

Hi Mike,

When talking with Brad Griffith yesterday he

mentioned that at some point in the past you were involved with discussions to update the 1993 report titled '[Sensitive Habitats of The Porcupine Caribou Herd](#)'

We have advanced the idea of updating this report with telemetry information from the past decade + and I thought I'd circle around to you and ask about any thinking that went into updating this in the past. Was there ever a scope or work developed or a proposal?

Feel free to give me a buzz if you'd prefer a phone conversation. Number in signature.

Thanks so much!

And just FYI; We are making a funding request to help accomplish this work and Steve Arthur has suggested we work with the PCTC to help identify potential folks who might lead this work and develop the idea further.

Cheers,  
Paul

--

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

--

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

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

--

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

**From:** [Hayes, Miriam \(Nicole\)](#)  
**To:** [Fischbach, Tracy](#)  
**Cc:** [Wendy Loya](#); [Drew Crane](#); [Mary Colligan](#); [John Trawicki](#); [Doug Damberg](#); [Steve Berendzen](#); [Joanna Fox](#); [Eric Taylor](#)  
**Subject:** Re: Updated invitation: SAVE THE DATE - COASTAL PLAIN EIS KICK-OFF & INTERNAL SC... @ Thu May 3, 2018 8:30am - 4:30pm (AKDT) (tracy\_fischbach@fws.gov)  
**Date:** Thursday, April 26, 2018 3:24:30 PM

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Hi Tracy,

Was getting ready to add the individuals to the invite and when we talked earlier this week or last week we discussed having one designated person for each resource as opposed to FWS' entire team (and maybe it was with Drew - I apologize everything is moving so rapidly). They would reach out to the internal FWS team to make sure they brought any issues that need to be brought to the table next week. Is that the list?

Thanks,

Nicole

**Nicole Hayes**

Project Coordinator  
Bureau of Land Management  
222 W. 7th Avenue #13  
Anchorage, Alaska 99513  
Desk: (907) 271-4354

On Thu, Apr 26, 2018 at 12:04 PM, Fischbach, Tracy <[tracy\\_fischbach@fws.gov](mailto:tracy_fischbach@fws.gov)> wrote:

Hi Nicole,

Can you include the following people from FWS? This is the list that Drew sent the save to date email to.

Thank you,  
Tracy

Greta Burkhardt  
Paul Leonard  
Edward DeCleva  
Peter Butteri  
Roy Churchwell  
Stephen Arthur  
Hollis Twitchell  
Christopher Latty  
Richard Lanctot  
Jim A Johnson  
Steve B Lewis  
Michael Swaim  
Julian Fischer  
Eva Patton  
Carl Johnson  
Robbin Lavine  
Susan LaKomski  
Jennifer Reed  
Roger Kaye  
John W Martin

Doug Damberg

Tracyann S Fischbach  
Natural Resources Planner  
National Wildlife Refuge System - Region 7  
Division of Natural Resources & Conservation Planning  
(907) 786-3369

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Handbook for Girl Scouts by W. J. Hoxie

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[Online Document Database \(ServCat\)](#)

**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](#)

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

From: **Miriam (Nicole) Hayes** <[mnhayes@blm.gov](mailto:mnhayes@blm.gov)>

Date: Thu, Apr 26, 2018 at 11:43 AM

Subject: Updated invitation: SAVE THE DATE - COASTAL PLAIN EIS KICK-OFF &  
INTERNAL SC... @ Thu May 3, 2018 8:30am - 4:30pm (AKDT)

([tracy\\_fischbach@fws.gov](mailto:tracy_fischbach@fws.gov))

To: [tracy\\_fischbach@fws.gov](mailto:tracy_fischbach@fws.gov), [tstclair@blm.gov](mailto:tstclair@blm.gov), [joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov), [chillis@blm.gov](mailto:chillis@blm.gov),  
[sguyer@blm.gov](mailto:sguyer@blm.gov), [t75murph@blm.gov](mailto:t75murph@blm.gov), [faith.martineau@caelusenergy.com](mailto:faith.martineau@caelusenergy.com),  
[ejulianus@blm.gov](mailto:ejulianus@blm.gov), [rbrumbau@blm.gov](mailto:rbrumbau@blm.gov), [njones@blm.gov](mailto:njones@blm.gov), [r2king@blm.gov](mailto:r2king@blm.gov),  
[rkemnitz@blm.gov](mailto:rkemnitz@blm.gov), [mdraper@blm.gov](mailto:mdraper@blm.gov), [rgoodwin@blm.gov](mailto:rgoodwin@blm.gov), [dwixon@blm.gov](mailto:dwixon@blm.gov),  
[craig.perham@boem.gov](mailto:craig.perham@boem.gov), [christopher\\_putnam@fws.gov](mailto:christopher_putnam@fws.gov), [drew\\_crane@fws.gov](mailto:drew_crane@fws.gov),  
[ctburns@blm.gov](mailto:ctburns@blm.gov), [sdallen@blm.gov](mailto:sdallen@blm.gov), [kdebenham@blm.gov](mailto:kdebenham@blm.gov), [mmccrum@blm.gov](mailto:mmccrum@blm.gov),  
[kpeck@blm.gov](mailto:kpeck@blm.gov), [jchmielowski@blm.gov](mailto:jchmielowski@blm.gov), [jgalluzz@blm.gov](mailto:jgalluzz@blm.gov), [mwhitman@blm.gov](mailto:mwhitman@blm.gov),  
[ssweet@blm.gov](mailto:ssweet@blm.gov), [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov), [tbickaus@blm.gov](mailto:tbickaus@blm.gov), [slamarr@blm.gov](mailto:slamarr@blm.gov),  
[john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov), [chamfler@blm.gov](mailto:chamfler@blm.gov), [steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov),  
[jkeeney@blm.gov](mailto:jkeeney@blm.gov), [chad.ricklefs@empsti.com](mailto:chad.ricklefs@empsti.com), [slongan@blm.gov](mailto:slongan@blm.gov), [lellis@blm.gov](mailto:lellis@blm.gov)

This event has been changed.

**SAVE THE DATE - COASTAL PLAIN EIS KICK-OFF &  
INTERNAL SCOPING**

[more details »](#)

**Changed:** Attached is the final agenda, Section 20001 of the Tax Cuts and Jobs Act of 2017, and Secretarial Order 3355. PLEASE READ the attachments prior to the meeting on May 3rd. They are important to understand for the discussions we will be having.

I look forward to seeing (and in some cases meeting!) as many of you as possible next week.

Thank you!

When Thu May 3, 2018 8:30am – 4:30pm Alaska Time

Where BLM Alaska State Office- Denali Conference Room, 222 W. 7th Avenue ([map](#))

Video call **b5-CIP**

Calendar [tracy\\_fischbach@fws.gov](mailto:tracy_fischbach@fws.gov)

Who

- [mnhayes@blm.gov](mailto:mnhayes@blm.gov) - organizer
- [tstclair@blm.gov](mailto:tstclair@blm.gov)
- [joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)
- [chillis@blm.gov](mailto:chillis@blm.gov)
- [sguyer@blm.gov](mailto:sguyer@blm.gov)
- [t75murph@blm.gov](mailto:t75murph@blm.gov)
- [faith.martineau@caelusenergy.com](mailto:faith.martineau@caelusenergy.com)
- [eric\\_taylor@fws.gov](mailto:eric_taylor@fws.gov)
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- [njones@blm.gov](mailto:njones@blm.gov)
- [r2king@blm.gov](mailto:r2king@blm.gov)
- [rkemnitz@blm.gov](mailto:rkemnitz@blm.gov)
- [mdraper@blm.gov](mailto:mdraper@blm.gov)
- [rgoodwin@blm.gov](mailto:rgoodwin@blm.gov)
- [dwixon@blm.gov](mailto:dwixon@blm.gov)
- [tracy\\_fischbach@fws.gov](mailto:tracy_fischbach@fws.gov)
- [craig.perham@boem.gov](mailto:craig.perham@boem.gov)
- [christopher\\_putnam@fws.gov](mailto:christopher_putnam@fws.gov)
- [drew\\_crane@fws.gov](mailto:drew_crane@fws.gov)
- [ctburns@blm.gov](mailto:ctburns@blm.gov)
- [sdallen@blm.gov](mailto:sdallen@blm.gov)
- [tvosburgh@blm.gov](mailto:tvosburgh@blm.gov)
- [kdebenham@blm.gov](mailto:kdebenham@blm.gov)
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- [mwhitman@blm.gov](mailto:mwhitman@blm.gov)
- [ssweet@blm.gov](mailto:ssweet@blm.gov)
- [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)
- [tbicka@blm.gov](mailto:tbicka@blm.gov)
- [slamarr@blm.gov](mailto:slamarr@blm.gov)
- [john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov)
- [chamfler@blm.gov](mailto:chamfler@blm.gov)
- [steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)
- [jkeeney@blm.gov](mailto:jkeeney@blm.gov)
- [chad.ricklefs@empsi.com](mailto:chad.ricklefs@empsi.com)
- [slongan@blm.gov](mailto:slongan@blm.gov)

- [lellis@blm.gov](mailto:lellis@blm.gov)

Attachments [FINAL\\_CoastalEIS\\_IntScopAgnda\\_20180503.pdf](#)  
[SO3355.pdf](#)  
[Section 20001.pdf](#)

Going? **Yes** - **Maybe** - **No** [more options »](#)

Invitation from [Google Calendar](#)

You are receiving this email at the account [tracy\\_fischbach@fws.gov](mailto:tracy_fischbach@fws.gov) because you are subscribed for updated invitations on calendar [tracy\\_fischbach@fws.gov](mailto:tracy_fischbach@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](#).

**From:** [Greg Siekaniec](#)  
**To:** [Fischbach, Tracy](#)  
**Cc:** [Wendy Loya](#); [John Trawicki](#); [Drew Crane](#); [Eric Taylor](#); [Steve Berendzen](#); [Joanna Fox](#); [Mitch Ellis](#); [Socheata Lor](#); [Stephanie Brady](#); [John Martin](#); [Karen Clark](#); [Mary Colligan](#)  
**Subject:** Re: ANWR CCP update?  
**Date:** Friday, April 27, 2018 8:52:01 AM

---

Correct answer.

Sent from my iPhone

On Apr 27, 2018, at 6:40 AM, Fischbach, Tracy <[tracy\\_fischbach@fws.gov](mailto:tracy_fischbach@fws.gov)> wrote:

FYI - Question from BLM and my response regarding whether we finished the EA to allow seismic exploration in the Refuge.

-Tracy

Tracyann S Fischbach  
Natural Resources Planner  
National Wildlife Refuge System - Region 7  
Division of Natural Resources & Conservation Planning  
(907) 786-3369

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**[Need Refuge land status info for Alaska?](#)**

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[FWS Region 7 Land Mapper \(Public version\)](#)

[Region 7 GeoPDF Map Portal](#)

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

From: **Fischbach, Tracy** <[tracy\\_fischbach@fws.gov](mailto:tracy_fischbach@fws.gov)>

Date: Fri, Apr 27, 2018 at 6:37 AM

Subject: Fwd: ANWR CCP update?

To: Donna Wixon <[dwixon@blm.gov](mailto:dwixon@blm.gov)>

Hi Donna,

I am assuming that you are talking about the EA to change the regulations to allow seismic exploration? No, that has not been completed. Work on it was stopped when the Tax Bill passed.

-Tracy

Tracyann S Fischbach  
Natural Resources Planner  
National Wildlife Refuge System - Region 7  
Division of Natural Resources & Conservation Planning  
(907) 786-3369

Hours: Mon - Thurs 6:30 am to 4:00 pm; Friday 9:00 am - 1:00 pm  
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1913 Handbook for Girl Scouts by W. J. Hoxie

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***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](#)

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

From: **Wixon, Donna** <[dwixon@blm.gov](mailto:dwixon@blm.gov)>  
Date: Thu, Apr 26, 2018 at 5:35 PM  
Subject: ANWR CCP update?  
To: Tracy Fischbach <[tracy\\_fischbach@fws.gov](mailto:tracy_fischbach@fws.gov)>

Hi Tracy,

I work with the permitting and compliance branch of the BLM Arctic District Office. I am hoping to find out if the EA that was written in November 2017 to amend and allow seismic in the 1002 area has been finalized. Could you tell me if it is complete and if there is a FONSI and Decision Record? If there is would you please send me a copy?

Thanks,  
Donna

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

**From:** [Hayes, Miriam \(Nicole\)](#)  
**To:** [John Trawick](#); [Erin Julianus](#); [Christopher Putnam](#); [Robert Brumbaugh](#); [Kenneth \(Alan\) Peck](#); [Scott Guyer](#); [Donna Wixon](#); [Whitman, Matt](#); [Joanna Fox](#); [Goodwin, Randy](#); [Marlo Draper](#); [Joseph Galluzzi](#); [Robert \(Bob\) King](#); [Drew Crane](#); [Thomas St Clair](#); [Michael McCrum](#); [Chad Ricklefs](#); [Catherine Hillis](#); [Wendy Loya](#); [Joseph Keeney](#); [Hamfler, Cindy](#); [Steve Berendzen](#); [Eric Taylor](#); [Allen, Stewart](#); [Timothy Vosburgh](#); [Richard Kemnitz](#); [Krystal Debenham](#); [Serena Sweet](#); [Lesli Ellis-Wouters](#); [Tracy Fischbach](#); [Faith Martineau](#); [Jessie Chmielowski](#); [Thomas Bickauskas](#); [Nichelle \(Shelly\) Jones](#); [Casey Burns](#); [Sarah LaMarr](#); [Craig Perham](#); [Murphy, Ted](#); [Sara Longan](#); [leah.cuyno@norecon.com](#); [katie.patterson@empci.com](#); [amy.lewis@empci.com](#); [stephen.braund@srbak.com](#); [lawhead@abrinc.com](#); [marcus.hartley@norecon.com](#); [Bob Burgess](#); [michael.fisher@norecon.com](#); [paul.lawrence@srbak.com](#); [Karen Mouritsen](#)  
**Subject:** Attachments to Calendar Invite on 5/3  
**Date:** Friday, April 27, 2018 2:35:50 PM  
**Attachments:** [SO3355.pdf](#)  
[FINAL\\_CoastalEIS\\_IntScopAgnda\\_20180503.pdf](#)  
[Section 20001.pdf](#)

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Some of you may not be able to access the attachments in the calendar invite so I am sending them out separately via email.

I apologize in advance for any duplication.

Nicole

**Nicole Hayes**  
Project Coordinator  
Bureau of Land Management  
222 W. 7th Avenue #13  
Anchorage, Alaska 99513  
Desk: (907) 271-4354

**From:** [Wendy Loya](#)  
**To:** [Steve Berendzen](#); [Joanna Fox](#); [Doug Damberg](#); [Mitch Ellis](#); [Socheata Lor](#); [Mary Colligan](#); [Patrick Lemons](#); [Eric Taylor](#); [Richard Lanctot](#); [Carl Johnson](#); [Joshua Ream](#); [Andrea Medeiros](#); [Sara Boario](#); [Stephanie Brady](#); [Tracy Fischbach](#); [John Trawick](#); [John Martin](#); [Drew Crane](#); [Greg Siekaniec](#); [Karen Murphy](#)  
**Cc:** [Greta Burkart](#); [Joshua Rose](#); [Angela Matz](#); [Paul Leonard](#); [Randy Brown](#); [Hollis Twitchell](#); [Edward Decleva](#); [Stephen Arthur](#); [Christopher Latty](#); [Ryan Wilson](#); [Christopher Putnam](#); [Peter Butteri](#); [Ted Swem](#); [Louise Smith](#); [Jennifer Reed](#); [Alfredo Soto](#); [Susan LaKowski](#); [Roger Kave](#)  
**Bcc:** [Nicole Hayes](#)  
**Subject:** Agenda for Thursday May 3rd Coastal Plain EIS Scoping Meeting  
**Date:** Tuesday, May 1, 2018 10:26:45 AM  
**Attachments:** [NPRA IAP EIS Table 2.3 Stips and BMPs by Resource.docx](#)  
[SO3355.pdf](#)  
[Section 20001.pdf](#)  
[Participants\\_CoastalEIS\\_IntScopAgnda\\_20180503.docx](#)

---

Dear FWS colleagues,

Attached you will find the agenda for the Coastal Plain oil and Gas Leasing Program EIS Internal Scoping meeting for FWS and the State of Alaska (and any other Cooperating Agencies identified by Thursday) to be hosted by BLM and the contractor hired to assist with the EIS. You are invited to attend all or part of the meeting either in person or via teleconference. We do hope that everyone can join/call in for the opening session from 8:30 am – 9:15 for introductions and Program Overview. The 1002 Team has then identified slots during the day where we think your expertise best fits, and so please see the attached agenda for when we hope you can participate. I do expect that the schedule could deviate from the timeline, likely running late, so please be as flexible as you can.

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BLM Alaska State Office, Anchorage, AK Denali  
Conference Room

Dial-in Phone: **b5-CIP**  
Passcode: **b5-CIP**

0000007979

Don't hesitate to contact me or any of the other 1002 Points of Contact with questions (Steve B, Joanna, John T, Rick (for Eric) or Carl),  
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:** [Patrick O'Dell](#); [Tamara McCandless](#); [Tim Allen](#); [Catherine Collins](#); [Jill Webster](#)  
**Cc:** [John Trawicki](#); [Stephanie Brady](#)  
**Subject:** FW: Agenda for Thursday May 3rd Coastal Plain EIS Scoping Meeting (1002 Area of Arctic Refuge)  
**Date:** Tuesday, May 1, 2018 10:35:34 AM  
**Attachments:** [NPRA IAP EIS Table 2.3 Stips and BMPs by Resource.docx](#)  
[SO3355.pdf](#)  
[Section 20001.pdf](#)  
[Participants\\_CoastalEIS\\_IntScopAgnda\\_20180503.docx](#)

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Dear FWS Colleagues in Colorado,

This is short notice, but on Thursday BLM will be hosting an initial scoping meeting for Cooperating Agencies (FWS, State of Alaska and others) for the Coastal Plain Oil and Gas Leasing Program in the Arctic Refuge. Please see the attached agenda (Participants CoastalEIS....doc) with the call-in info.

Region 7 would be grateful for your participation, if possible, in the first session on Air Quality from approximately 9:15am -10 am AK time (11:15-12 MT) and for Patrick from 4-4:45 MT for the Petroleum session. Of course, we welcome your participation from the beginning at 10:30 am MT and anywhere you or other colleagues might contribute.

We do expect to be provide additional comments during the 60 day scoping period since not everyone will be available this Thursday, and so if you are not available Thursday but would like to work with us on comments, please let me know.

Thank you in advance for your time!

Wendy

---

**From:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>  
**Sent:** Tuesday, May 1, 2018 8:27 AM  
**To:** Steve Berendzen <[steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)>; Joanna Fox <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)>; Doug Damberg <[doug\\_damberg@fws.gov](mailto:doug_damberg@fws.gov)>; Mitch Ellis <[mitch\\_ellis@fws.gov](mailto:mitch_ellis@fws.gov)>; Socheata Lor <[socheata\\_lor@fws.gov](mailto:socheata_lor@fws.gov)>; Mary Colligan <[mary\\_colligan@fws.gov](mailto:mary_colligan@fws.gov)>; Patrick Lemons <[patrick\\_lemons@fws.gov](mailto:patrick_lemons@fws.gov)>; Eric Taylor <[eric\\_taylor@fws.gov](mailto:eric_taylor@fws.gov)>; Richard Lanctot <[richard\\_lanctot@fws.gov](mailto:richard_lanctot@fws.gov)>; Carl Johnson <[carl\\_johnson@fws.gov](mailto:carl_johnson@fws.gov)>; Joshua Ream <[joshua\\_ream@fws.gov](mailto:joshua_ream@fws.gov)>; Andrea Medeiros <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)>; Sara Boario <[sara\\_boario@fws.gov](mailto:sara_boario@fws.gov)>; Stephanie Brady <[stephanie\\_brady@fws.gov](mailto:stephanie_brady@fws.gov)>; Tracy Fischbach <[tracy\\_fischbach@fws.gov](mailto:tracy_fischbach@fws.gov)>; John Trawicki <[john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov)>; John Martin <[john\\_w\\_martin@fws.gov](mailto:john_w_martin@fws.gov)>; Drew Crane <[drew\\_crane@fws.gov](mailto:drew_crane@fws.gov)>; Greg Siekaniec <[greg\\_siekaniec@fws.gov](mailto:greg_siekaniec@fws.gov)>; Karen Murphy <[karen\\_a\\_murphy@fws.gov](mailto:karen_a_murphy@fws.gov)>  
**Cc:** Greta Burkart <[greta\\_burkart@fws.gov](mailto:greta_burkart@fws.gov)>; Joshua Rose <[joshua\\_rose@fws.gov](mailto:joshua_rose@fws.gov)>; Angela Matz <[angela\\_matz@fws.gov](mailto:angela_matz@fws.gov)>; Paul Leonard <[paul\\_leonard@fws.gov](mailto:paul_leonard@fws.gov)>; Randy Brown <[randy\\_j\\_brown@fws.gov](mailto:randy_j_brown@fws.gov)>; Hollis Twitchell <[hollis\\_twitchell@fws.gov](mailto:hollis_twitchell@fws.gov)>; Edward Decleva <[edward\\_decleva@fws.gov](mailto:edward_decleva@fws.gov)>; Stephen Arthur <[stephen\\_arthur@fws.gov](mailto:stephen_arthur@fws.gov)>; Christopher Latty <[christopher\\_latty@fws.gov](mailto:christopher_latty@fws.gov)>; Ryan Wilson <[ryan\\_r\\_wilson@fws.gov](mailto:ryan_r_wilson@fws.gov)>

0000007981

Christopher Putnam <[christopher\\_putnam@fws.gov](mailto:christopher_putnam@fws.gov)>; Peter Butteri <[peter\\_butteri@fws.gov](mailto:peter_butteri@fws.gov)>; Ted Swem <[ted\\_swem@fws.gov](mailto:ted_swem@fws.gov)>; Louise Smith <[louise\\_smith@fws.gov](mailto:louise_smith@fws.gov)>; Tracy Fischbach ([tracy\\_fischbach@fws.gov](mailto:tracy_fischbach@fws.gov)) <[tracy\\_fischbach@fws.gov](mailto:tracy_fischbach@fws.gov)>; Jennifer Reed <[jennifer\\_reed@fws.gov](mailto:jennifer_reed@fws.gov)>; Alfredo Soto <[alfredo\\_soto@fws.gov](mailto:alfredo_soto@fws.gov)>; Susan LaKonski <[susan\\_lakonski@fws.gov](mailto:susan_lakonski@fws.gov)>; Roger Kaye <[roger\\_kaye@fws.gov](mailto:roger_kaye@fws.gov)>

**Subject:** Agenda for Thursday May 3rd Coastal Plain EIS Scoping Meeting

Dear FWS colleagues,

Attached you will find the agenda for the Coastal Plain oil and Gas Leasing Program EIS Internal Scoping meeting for FWS and the State of Alaska (and any other Cooperating Agencies identified by Thursday) to be hosted by BLM and the contractor hired to assist with the EIS. You are invited to attend all or part of the meeting either in person or via teleconference. We do hope that everyone can join/call in for the opening session from 8:30 am – 9:15 for introductions and Program Overview. The 1002 Team has then identified slots during the day where we think your expertise best fits, and so please see the attached agenda for when we hope you can participate. I do expect that the schedule could deviate from the timeline, likely running late, so please be as flexible as you can.

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BLM Alaska State Office, Anchorage, AK Denali  
Conference Room

Dial-in Phone: **b5-CIP**  
Passcode: **b5-CIP**

Don't hesitate to contact me or any of the other 1002 Points of Contact with questions (Steve B, Joanna, John T, Rick (for Eric) or Carl),  
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:** [John Trawick](#); [Tracy Fischbach](#); [Joanna Fox](#); [Stephanie Brady](#); [Drew Crane](#); [Steve Berendzen](#)  
**Subject:** RE: FWS-BLM Weekly Check-in on Coastal Plain 1002  
**Date:** Tuesday, May 1, 2018 10:39:31 AM

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For those in Anchorage, we will meet at BLM if you are available.

Otherwise:

**b5-CIP**, participant passcode **b5-CIP**

I have asked Nicole to clarify our role in the EIS preparation process (including sharing SOW for Contractor if possible), to touch base on finishing up MOU, and any other questions we have about Thursday. Right now it is FWS and State of Alaska as Cooperating agencies, but if others accept invitation, they will also be at scoping.

Cheers,  
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:** [Edward Decleva](#)  
**Subject:** RE: Agenda for Thursday May 3rd Coastal Plain EIS Scoping Meeting  
**Date:** Tuesday, May 1, 2018 10:40:55 AM

---

It is downtown in the Federal Building. If you have your PIV card, you can use that for Security check.

Thanks, Ed.

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:** Decleva, Edward <[edward\\_decleva@fws.gov](mailto:edward_decleva@fws.gov)>  
**Sent:** Tuesday, May 1, 2018 8:38 AM  
**To:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>  
**Subject:** Re: Agenda for Thursday May 3rd Coastal Plain EIS Scoping Meeting

Hi Wendy,

Thank you for the information. I will attend the morning intro and my scheduled module.

Quick question though: Is the BLM State Office in the federal building downtown or at Campbell Tract Facility?

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](mailto:edward_decleva@fws.gov)  
907-786-3399

On Tue, May 1, 2018 at 8:26 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Dear FWS colleagues,

Attached you will find the agenda for the Coastal Plain oil and Gas Leasing Program EIS Internal Scoping meeting for FWS and the State of Alaska (and any other Cooperating Agencies identified by Thursday) to be hosted by BLM and the contractor hired to assist with the EIS. You are invited to attend all or part of the meeting either in person or via

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Conference Room

Dial-in Phone: 65-CIP

Passcode: 65-CIP

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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:** [Stephanie Brady](#)  
**Subject:** Draft cover page for your review  
**Date:** Tuesday, May 1, 2018 12:19:43 PM  
**Attachments:** [Draft cover page 050118.docx](#)

---

Hi Stephanie,

Would you be able to take a quick look at the attached draft cover page and description for the Resource Assessments and the select references (bibliography that John Martin prepared)? I would like to include this in a PDF with all of the assessments, for sharing with FWS, BLM and the contractor as needed. Welcome any feedback on the proposed document as well.

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:** [Pearce, John](#)  
**To:** [Wendy Loya](#)  
**Subject:** Re: USGS-FWS Science Support/Quick Response funding  
**Date:** Tuesday, May 1, 2018 12:27:54 PM

---

Hi Wendy,

I'm available right now if that works.

JP

John M. Pearce, Ph.D.  
Supervisory Wildlife Biologist  
Manager, Wetland and Terrestrial Ecosystems Office  
U.S. Geological Survey, Alaska Science Center  
4210 University Drive  
Anchorage, Alaska 99508  
Tel. 907.786.7094  
Email: [jpearce@usgs.gov](mailto:jpearce@usgs.gov)  
<http://alaska.usgs.gov/staff/staffbio.php?employeeid=173>

On Tue, May 1, 2018 at 9:45 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi John,

Do you have time this morning or tomorrow to talk about the QRP/SSP process FWS is considering? I would also like to check in on possible topics, beyond polar bears ☺

Here is my calendar (also available via DOI) for M-F this week:

Time	Event
8	
9	Jason Arctic Terra: Arctic projects for...
10	
11	AK LCC Coordin...
12 PM	Northern Latitux
1	PTSD: https://har
2	FWS Arctic Refug
3	Prep for Upcoming
4	
5	Carrie

Thanks,

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:** Pearce, John <[jpearce@usgs.gov](mailto:jpearce@usgs.gov)>

**Sent:** Tuesday, April 24, 2018 12:03 PM

**To:** Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>; Sarena Selbo <[sarena\\_selbo@fws.gov](mailto:sarena_selbo@fws.gov)>

**Cc:** Christian Zimmerman <[czimmerman@usgs.gov](mailto:czimmerman@usgs.gov)>; Grant Hilderbrand <[ghilderbrand@usgs.gov](mailto:ghilderbrand@usgs.gov)>

**Subject:** USGS-FWS Science Support/Quick Response funding

Hi Serena and Wendy,

I'm just checking to see if USFWS Region 7 has identified a RFP process for the FY2019 USGS-FWS Science Support and Quick Response Program. Last year, pre-proposals for FY2018 work were due on May 8th, 2017 and full proposals by June 30th. We'd like to inform USGS staff of the likely timeline so they can work with FWS partners to develop their proposals.

Thanks!

John

John M. Pearce, Ph.D.

Supervisory Wildlife Biologist

Manager, Wetland and Terrestrial Ecosystems Office

U.S.Geological Survey, Alaska Science Center

[4210 University Drive](#)

[Anchorage, Alaska 99508](#)

Tel. 907.786.7094

Email: [jpearce@usgs.gov](mailto:jpearce@usgs.gov)

<http://alaska.usgs.gov/staff/staffbio.php?employeeid=173>

**From:** [Brady, Stephanie](#)  
**To:** [Wendy Loya](#)  
**Subject:** Re: Draft cover page for your review  
**Date:** Tuesday, May 1, 2018 12:31:22 PM  
**Attachments:** [Draft cover page 050118\\_sbedits.docx](#)

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here are my edits - please let me know if you need anything further - Stephanie

[stephanie\\_brady@fws.gov](mailto:stephanie_brady@fws.gov) | Branch Chief, Conservation Planning and Policy |  
U.S. Fish and Wildlife Service | National Wildlife Refuge System | Alaska |  
907.306.7448  
<https://sites.google.com/a/fws.gov/alaska-region-office-of-conservation-planning-policy/home> (DOI employees)

On Tue, May 1, 2018 at 10:19 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

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Wendy

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Office of Science Applications -Arctic Program

US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.277.2942 (mobile)

**From:** [Medeiros, Andrea](#)  
**To:** [Wendy Loya](#)  
**Cc:** [Sara Boario](#)  
**Subject:** Re: Agenda for Thursday May 3rd Coastal Plain EIS Scoping Meeting  
**Date:** Tuesday, May 1, 2018 1:02:33 PM  
**Attachments:** [Facebook Logo for Email Signature Block.png](#)

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Hi Wendy,

We still need to complete a communications plan (internal Q and A, opening statement, and list of USFWS representatives), right?

---

Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
(907) 786-3695  
Mobile: (907) 227-4788

Connect with us:



On Tue, May 1, 2018 at 8:26 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

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Dial-in Phone: b5-CIP

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Wendy

Dr. Wendy M. Loya, Coordinator

Office of Science Applications -Arctic Program

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Anchorage, Alaska

907.786.3532 (office)

907.277.2942 (mobile)

**From:** [Wixon, Donna](#)  
**To:** [Wendy Loya](#)  
**Cc:** [Joanna Fox](#); [Nicole Hayes](#)  
**Subject:** Re: Thursday EIS Scoping meeting at BLM for FWS Fairbanks Staff?  
**Date:** Tuesday, May 1, 2018 2:34:00 PM

---

Hi Wendy,

It would be great if staff from your Fairbanks Office came over to BLM for the meeting on Thursday. We do have a room and Nicole has set up the bridge: **b5-CIP** Passcode **b5-CIP**

Thanks,  
Donna

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

On Tue, May 1, 2018 at 11:40 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi Donna,

The FWS has about 6 staff in Fairbanks that will participate in the Coastal Plain scoping meeting on Thursday. We have heard that BLM Fairbanks may have a room and conference bridge open, and we were wondering if our staff could come to BLM for the meeting? I think this could help us better engage in the process than having staff call in from FWS or their offices. Please reply to Joanna and I with your thoughts.

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)

0000007994

**From:** [Wendy Loya](#)  
**To:** [Karen Clark](#)  
**Subject:** FW: Agenda for Thursday May 3rd Coastal Plain EIS Scoping Meeting  
**Date:** Tuesday, May 1, 2018 3:06:24 PM  
**Attachments:** [NPRA IAP EIS Table 2.3 Stips and BMPs by Resource.docx](#)  
[SO3355.pdf](#)  
[Section 20001.pdf](#)  
[Participants CoastalEIS IntScopAgnda 20180503.docx](#)

---

Karen,

I did it again, sending this to Karen Murphy instead of you. I will be more mindful in the future!

---

**From:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>  
**Sent:** Tuesday, May 1, 2018 8:27 AM  
**To:** Steve Berendzen <[steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)>; Joanna Fox <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)>; Doug Damberg <[doug\\_damberg@fws.gov](mailto:doug_damberg@fws.gov)>; Mitch Ellis <[mitch\\_ellis@fws.gov](mailto:mitch_ellis@fws.gov)>; Socheata Lor <[socheata\\_lor@fws.gov](mailto:socheata_lor@fws.gov)>; Mary Colligan <[mary\\_colligan@fws.gov](mailto:mary_colligan@fws.gov)>; Patrick Lemons <[patrick\\_lemons@fws.gov](mailto:patrick_lemons@fws.gov)>; Eric Taylor <[eric\\_taylor@fws.gov](mailto:eric_taylor@fws.gov)>; Richard Lanctot <[richard\\_lanctot@fws.gov](mailto:richard_lanctot@fws.gov)>; Carl Johnson <[carl\\_johnson@fws.gov](mailto:carl_johnson@fws.gov)>; Joshua Ream <[joshua\\_ream@fws.gov](mailto:joshua_ream@fws.gov)>; Andrea Medeiros <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)>; Sara Boario <[sara\\_boario@fws.gov](mailto:sara_boario@fws.gov)>; Stephanie Brady <[stephanie\\_brady@fws.gov](mailto:stephanie_brady@fws.gov)>; Tracy Fischbach <[tracy\\_fischbach@fws.gov](mailto:tracy_fischbach@fws.gov)>; John Trawicki <[john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov)>; John Martin <[john\\_w\\_martin@fws.gov](mailto:john_w_martin@fws.gov)>; Drew Crane <[drew\\_crane@fws.gov](mailto:drew_crane@fws.gov)>; Greg Siekaniec <[greg\\_siekaniec@fws.gov](mailto:greg_siekaniec@fws.gov)>; Karen Murphy <[karen\\_a\\_murphy@fws.gov](mailto:karen_a_murphy@fws.gov)>  
**Cc:** Greta Burkart <[greta\\_burkart@fws.gov](mailto:greta_burkart@fws.gov)>; Joshua Rose <[joshua\\_rose@fws.gov](mailto:joshua_rose@fws.gov)>; Angela Matz <[angela\\_matz@fws.gov](mailto:angela_matz@fws.gov)>; Paul Leonard <[paul\\_leonard@fws.gov](mailto:paul_leonard@fws.gov)>; Randy Brown <[randy\\_j\\_brown@fws.gov](mailto:randy_j_brown@fws.gov)>; Hollis Twitchell <[hollis\\_twitchell@fws.gov](mailto:hollis_twitchell@fws.gov)>; Edward Decleva <[edward\\_decleva@fws.gov](mailto:edward_decleva@fws.gov)>; Stephen Arthur <[stephen\\_arthur@fws.gov](mailto:stephen_arthur@fws.gov)>; Christopher Latty <[christopher\\_latty@fws.gov](mailto:christopher_latty@fws.gov)>; Ryan Wilson <[ryan\\_r\\_wilson@fws.gov](mailto:ryan_r_wilson@fws.gov)>; Christopher Putnam <[christopher\\_putnam@fws.gov](mailto:christopher_putnam@fws.gov)>; Peter Butteri <[peter\\_butteri@fws.gov](mailto:peter_butteri@fws.gov)>; Ted Swem <[ted\\_swem@fws.gov](mailto:ted_swem@fws.gov)>; Louise Smith <[louise\\_smith@fws.gov](mailto:louise_smith@fws.gov)>; Tracy Fischbach <[tracy\\_fischbach@fws.gov](mailto:tracy_fischbach@fws.gov)>; Jennifer Reed <[jennifer\\_reed@fws.gov](mailto:jennifer_reed@fws.gov)>; Alfredo Soto <[alfredo\\_soto@fws.gov](mailto:alfredo_soto@fws.gov)>; Susan LaKonski <[susan\\_lakonski@fws.gov](mailto:susan_lakonski@fws.gov)>; Roger Kaye <[roger\\_kaye@fws.gov](mailto:roger_kaye@fws.gov)>  
**Subject:** Agenda for Thursday May 3rd Coastal Plain EIS Scoping Meeting

Dear FWS colleagues,

Attached you will find the agenda for the Coastal Plain oil and Gas Leasing Program EIS Internal Scoping meeting for FWS and the State of Alaska (and any other Cooperating Agencies identified by Thursday) to be hosted by BLM and the contractor hired to assist with the EIS. You are invited to attend all or part of the meeting either in person or via teleconference. We do hope that everyone can join/call in for the opening session from 8:30 am – 9:15 for introductions and Program Overview. The 1002 Team has then identified slots during the day where we think your expertise best fits, and so please see the attached agenda for when we hope you can participate. I do expect

that the schedule could deviate from the timeline, likely running late, so please be as flexible as you can.

If you are not able to join during the time of your expertise, don't fret: we expect that FWS will be generating scoping comments to share with BLM and the contractor before the end of the public scoping period as we will not have all relevant expertise available or ready on Thursday. More about that after Thursday's meeting.

If you are able to join, please be as prepared as you can with substantive comments about issues of concern related to your area of expertise. Reviewing the Resource Assessments FWS completed would be helpful, and I will make those available to all staff, BLM and the contractors via Google docs or similar later today in addition to already being on the R7 Common Drive 1002ArcticRefuge folder. This is our first opportunity to identify analyses that we believe should be completed in the EIS with regards to leasing lands for exploration and development in the 1002 area, **with the ultimate goal of having the right stipulations and best management practices in place to protect natural resources, where needed.**

Again, refer to the attached document that describes the NPRA stips/BMPs by subject. Also including attachments with Tax Act Language for the Coastal Plain and SO 3355 about expedited NEPA.

BLM Alaska State Office, Anchorage, AK Denali  
Conference Room

Dial-in Phone: b5-CIP [REDACTED]  
Passcode: b5-CIP [REDACTED]

Don't hesitate to contact me or any of the other 1002 Points of Contact with questions (Steve B, Joanna, John T, Rick (for Eric) or Carl),  
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:** [greg\\_siekaniec@fws.gov](mailto:greg_siekaniec@fws.gov); [karen\\_clark@fws.gov](mailto:karen_clark@fws.gov)  
**Subject:** Updates  
**Date:** Tuesday, May 1, 2018 5:15:58 PM

---

Greg and Karen,

The meeting on the 1002 calendar for tomorrow is for BLM to meet with the contractor for the first time and in prep for Thursday's scoping meeting with FWS and the State. The good news about the contractor is that they have subcontracted with Alaska companies like ABR (biology) and Braund and Assoc (expertise in Subsistence).

You may have info about the forthcoming seismic application that is of interest to FWS Staff and also the BLM? FWS could be responsible for doing NEPA for that application?

I will try to touch base with you to tomorrow.

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)

**From:** [Hayes, Miriam \(Nicole\)](#)  
**To:** [Wendy Loya](#); [Stephanie Brady](#); [John Trawicki](#); [Tracy Fischbach](#); [Steve Berendzen](#); [Joanna Fox](#)  
**Subject:** PWS  
**Date:** Tuesday, May 1, 2018 5:27:15 PM  
**Attachments:** [Draft PWS 3.12.18.pdf](#)

---

Attached is the PWS

**Nicole Hayes**

Project Coordinator

Bureau of Land Management

222 W. 7th Avenue #13

Anchorage, Alaska 99513

Desk: (907) 271-4354

**From:** [Wendy Loya](#)  
**To:** [Nicole Hayes](#)  
**Subject:** Resources for Scoping to share with Contractor  
**Date:** Wednesday, May 2, 2018 2:42:41 PM  
**Attachments:** [Rapid-Response Resource Assessments and FWS Literature 0218.pdf](#)

---

Nicole,

Attached is a PDF that includes our combined Rapid-Response Resource Assessments and a select bibliography of work done by past and present FWS staff. The resource assessments touch on issues of importance to FWS staff, primarily in the section titled “What do we need to know and why?” at the beginning of each Resource chapter. This is not intended to be the full set of issues of concern FWS would like to raise during scoping, but is a supplement to information that will be shared in the scoping meeting on 5/3/18 and in subsequent written and verbal communications.

The FWS select bibliography, the Arctic National Wildlife Refuge CCP (<https://www.fws.gov/home/arctic-ccp/>), the bibliography produced by USGS and the research summary reports produced by USGS (Pearce et al. 2018 and Douglas et al. 2002) provide important background information we would like to be considered in preparing the EIS.

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:** [Putnam, Christopher](#)  
**To:** [Wendy Loya](#)  
**Subject:** Re: Agenda for Thursday May 3rd Coastal Plain EIS Scoping Meeting  
**Date:** Thursday, May 3, 2018 10:56:57 AM

---

Hi Wendy,

I'm attending the meeting on the phone today.

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 Tue, May 1, 2018 at 8:26 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Dear FWS colleagues,

Attached you will find the agenda for the Coastal Plain oil and Gas Leasing Program EIS Internal Scoping meeting for FWS and the State of Alaska (and any other Cooperating Agencies identified by Thursday) to be hosted by BLM and the contractor hired to assist with the EIS. You are invited to attend all or part of the meeting either in person or via teleconference. We do hope that everyone can join/call in for the opening session from 8:30 am – 9:15 for introductions and Program Overview. The 1002 Team has then identified slots during the day where we think your expertise best fits, and so please see the attached agenda for when we hope you can participate. I do expect that the schedule could deviate from the timeline, likely running late, so please be as flexible as you can.

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If you are able to join, please be as prepared as you can with substantive comments about

issues of concern related to your area of expertise. Reviewing the Resource Assessments FWS completed would be helpful, and I will make those available to all staff, BLM and the contractors via Google docs or similar later today in addition to already being on the R7 Common Drive 1002ArcticRefuge folder. This is our first opportunity to identify analyses that we believe should be completed in the EIS with regards to leasing lands for exploration and development in the 1002 area, **with the ultimate goal of having the right stipulations and best management practices in place to protect natural resources, where needed.**

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BLM Alaska State Office, Anchorage, AK Denali  
Conference Room

Dial-in Phone: b5-CIP

Passcode: b5-CIP

Don't hesitate to contact me or any of the other 1002 Points of Contac with questions (Steve B, Joanna, John T, Rick (for Eric) or Carl),

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](mailto:Wendy.Loya@blm.gov)  
**To:** [doug\\_damberg@fws.gov](mailto:doug_damberg@fws.gov)  
**Subject:** Fwd: Invitation: BLM USFWS Seismic Pre NEPA Kickoff Meeting @ Fri May 4, 2018 10:30am - 12:30pm (AKDT) (slamarr@blm.gov)  
**Date:** Thursday, May 3, 2018 3:14:13 PM  
**Attachments:** [Seismic Webex Invite.docx](#)  
[Untitled attachment 03305.htm](#)  
[Webex Instructions.docx](#)  
[Untitled attachment 03308.htm](#)

---

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:** "LaMarr, Sarah" <[slamarr@blm.gov](mailto:slamarr@blm.gov)>  
**Date:** May 3, 2018 at 12:27:07 AKDT  
**To:** Donna Wixon <[dwixon@blm.gov](mailto:dwixon@blm.gov)>  
**Cc:** Robert Brumbaugh <[rbrumbau@blm.gov](mailto:rbrumbau@blm.gov)>, Matt Whitman <[mwhitman@blm.gov](mailto:mwhitman@blm.gov)>, Joseph Keeney <[jkeeney@blm.gov](mailto:jkeeney@blm.gov)>, [greta\\_burkart@fws.gov](mailto:greta_burkart@fws.gov), [stephen\\_arthur@fws.gov](mailto:stephen_arthur@fws.gov), "Vosburgh, Timothy" <[tvosburgh@blm.gov](mailto:tvosburgh@blm.gov)>, [christopher\\_latty@fws.gov](mailto:christopher_latty@fws.gov), Richard Kemnitz <[rkemnitz@blm.gov](mailto:rkemnitz@blm.gov)>, [roger\\_kaye@fws.gov](mailto:roger_kaye@fws.gov), [steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov), Lonnie Bryant <[lbryant@blm.gov](mailto:lbryant@blm.gov)>, Ted Murphy <[t75murph@blm.gov](mailto:t75murph@blm.gov)>, Stacey Fritz <[sfritz@blm.gov](mailto:sfritz@blm.gov)>, [ted\\_swem@fws.gov](mailto:ted_swem@fws.gov), "Sweet, Serena" <[ssweet@blm.gov](mailto:ssweet@blm.gov)>, "Conn, Sarah" <[sarah\\_conn@fws.gov](mailto:sarah_conn@fws.gov)>, [joshua\\_rose@fws.gov](mailto:joshua_rose@fws.gov), Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>, [john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov), [joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov), "Nigro, Debora" <[dnigro@blm.gov](mailto:dnigro@blm.gov)>, [stephanie\\_brady@fws.gov](mailto:stephanie_brady@fws.gov), "Debenham, Krystal" <[kdebenham@blm.gov](mailto:kdebenham@blm.gov)>, Terra Meares <[tmeares@blm.gov](mailto:tmeares@blm.gov)>, Nichelle Jones <[njones@blm.gov](mailto:njones@blm.gov)>, [hollis\\_twitchell@fws.gov](mailto:hollis_twitchell@fws.gov)  
**Subject: Re: Invitation: BLM USFWS Seismic Pre NEPA Kickoff Meeting @ Fri May 4, 2018 10:30am - 12:30pm (AKDT) ([slamarr@blm.gov](mailto:slamarr@blm.gov))**

For those folks who will be joining us via phone who would like to see the presentation materials, please follow the attached instructions to participate in a WebEx.

If you have any problems, let us know!

Sarah La Marr  
Bureau of Land Management  
Arctic District Office  
Fairbanks, Alaska  
907-474-2334 (desk)  
907-888-3407 (cell)

[slamarr@blm.gov](mailto:slamarr@blm.gov)

On Wed, May 2, 2018 at 11:39 AM, Donna Wixon <[dwixon@blm.gov](mailto:dwixon@blm.gov)> wrote:

**BLM USFWS Seismic Pre NEPA Kickoff Meeting** [more details »](#)

Meeting to discuss the proposed seismic application for the 1002 Area. It is possible that we won't have a nonconfidential application before the meeting. The applicant is working to provide us information that we will be able to use for the EA. Please see attached draft agenda and let me know if there are suggested additions or changes to the agenda. Thank-you very much for your participation in the meeting.

When Fri May 4, 2018 10:30am – 12:30pm Alaska Time

Where BLM-AK FDO Kobuk Room, BLM-AK SO Bridge **b5-CIP**  
Passcode **b5-CIP** ([map](#))

Video call **b5-CIP**

Calendar [slamarr@blm.gov](mailto:slamarr@blm.gov)

Who

- [dwixon@blm.gov](mailto:dwixon@blm.gov) - organizer
- [rbrumbau@blm.gov](mailto:rbrumbau@blm.gov)
- [mwhitman@blm.gov](mailto:mwhitman@blm.gov)
- [jkeeney@blm.gov](mailto:jkeeney@blm.gov)
- [greta\\_burkart@fws.gov](mailto:greta_burkart@fws.gov)
- [stephen\\_arthur@fws.gov](mailto:stephen_arthur@fws.gov)
- [tvosburgh@blm.gov](mailto:tvosburgh@blm.gov)
- [christopher\\_latty@fws.gov](mailto:christopher_latty@fws.gov)
- [rkemnitz@blm.gov](mailto:rkemnitz@blm.gov)
- [roger\\_kaye@fws.gov](mailto:roger_kaye@fws.gov)
- [steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)
- [lbryant@blm.gov](mailto:lbryant@blm.gov)
- [t75murph@blm.gov](mailto:t75murph@blm.gov)
- [sfritz@blm.gov](mailto:sfritz@blm.gov)
- [ted\\_swem@fws.gov](mailto:ted_swem@fws.gov)
- [ssweet@blm.gov](mailto:ssweet@blm.gov)
- [sarah\\_conn@fws.gov](mailto:sarah_conn@fws.gov)
- [joshua\\_rose@fws.gov](mailto:joshua_rose@fws.gov)
- [wendy\\_loya@fws.gov](mailto>wendy_loya@fws.gov)
- [john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov)
- [slamarr@blm.gov](mailto:slamarr@blm.gov)
- [joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)
- [dnigro@blm.gov](mailto:dnigro@blm.gov)
- [stephanie\\_brady@fws.gov](mailto:stephanie_brady@fws.gov)
- [kdebenham@blm.gov](mailto:kdebenham@blm.gov)
- [tmearns@blm.gov](mailto:tmearns@blm.gov)
- [njones@blm.gov](mailto:njones@blm.gov)
- [hollis\\_twitchell@fws.gov](mailto:hollis_twitchell@fws.gov)

Attachments [Draft Agenda May 2 2018 \(1\).docx](#)

Going? [Yes](#) - [Maybe](#) - [No](#) [more options »](#)

Invitation from [Google Calendar](#)

You are receiving this email at the account [slamarr@blm.gov](mailto:slamarr@blm.gov) because you are subscribed for invitations on calendar [slamarr@blm.gov](mailto:slamarr@blm.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](#).

**From:** [Jones, Nichelle \(Shelly\)](#)  
**To:** [Steve Berendzen](#); [Fox, Joanna](#); [Wendy Loya](#)  
**Subject:** Fwd: [EXTERNAL] Marsh Creek Revised Plan of Operations  
**Date:** Thursday, May 3, 2018 6:29:39 PM  
**Attachments:** [Marsh Creek Plan of Operations V8.1 F.pdf](#)  
[Agenda.docx](#)

---

This is the non-proprietary version of the seismic application we received. Please route to your staff as appropriate.

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

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

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

**From:** **Brumbaugh, Robert** <[rbrumbau@blm.gov](mailto:rbrumbau@blm.gov)>  
**Date:** Thu, May 3, 2018 at 4:25 PM  
**Subject:** Fwd: [EXTERNAL] Marsh Creek Revised Plan of Operations  
**To:** Ted Murphy <[t75murph@blm.gov](mailto:t75murph@blm.gov)>, Serena Sweet <[ssweet@blm.gov](mailto:ssweet@blm.gov)>, "Jacobson, Shelly W" <[njones@blm.gov](mailto:njones@blm.gov)>, "Wixon, Donna" <[dwixon@blm.gov](mailto:dwixon@blm.gov)>, Sarah LaMarr <[slamarr@blm.gov](mailto:slamarr@blm.gov)>

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

**From:** **Suzan Simonds** <[ssimonds@saexploration.com](mailto:ssimonds@saexploration.com)>  
**Date:** Thu, May 3, 2018 at 4:02 PM  
**Subject:** [EXTERNAL] Marsh Creek Revised Plan of Operations  
**To:** "Brumbaugh, Robert" <[rbrumbau@blm.gov](mailto:rbrumbau@blm.gov)>, Donna Wixon <[dwixon@blm.gov](mailto:dwixon@blm.gov)>  
**Cc:** Christopher Putnam <[christopher\\_putnam@fws.gov](mailto:christopher_putnam@fws.gov)>, Marsh Creek Permitting <[MarshCreekPermitting@saexploration.com](mailto:MarshCreekPermitting@saexploration.com)>

Hi Rob,

As requested, attached is the revised plan of operations for Marsh Creek 3D. Please call if you have any questions.

Suzan Simonds  
Permit and Regulatory Manager

SAExploration, Inc.

Safety – Acquisition - Experience  
8240 Sandlewood Pl., Suite 102  
Anchorage, AK 99507

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

--

Rob Brumbaugh  
BLM-Alaska Oil and Gas Section Chief  
Division of Resources  
Bureau of Land Management  
222 W 7th Ave., Ste 13  
Anchorage, AK 99513  
907-271-4429

**From:** [Wixon, Donna](#)  
**To:** [Lonnie Bryant](#); [Sarah LaMarr](#); [Sarah Conn](#); [Joanna Fox](#); [Robert Brumbaugh](#); [John Trawicki](#); [Christopher Latty](#); [Hollis Twitchell](#); [Stephanie Brady](#); [Joshua Rose](#); [Roger Kaye](#); [Serena Sweet](#); [Ted Swem](#); [Greta Burkart](#); [Joseph Keeney](#); [Murphy, Ted](#); [Steve Berendzen](#); [kdebenham](#); [Terra Meares](#); [Stacey](#); [Stephen Arthur](#); [Shelly Jacobson](#); [Wendy Loya](#); [Richard Kemnitz](#); [Debbie](#); [Matthew Whitman](#); [Timothy Vosburgh](#); [Lynnda Kahn](#); [Mary Colligan](#)  
**Subject:** Seismic Application and updated Agenda - Friday May 4  
**Date:** Thursday, May 3, 2018 7:26:45 PM  
**Attachments:** [Final Agenda Coastal Plain Seismic Meeting.docx](#)  
[Marsh Creek Plan of Operations\\_V8.1\\_F.pdf](#)

---

Hello All,

I am attaching the seismic application that we just received and an updated agenda.

See you tomorrow.

Thank-you,

Donna

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

**From:** [Wendy Loya](#)  
**To:** [Stephanie Brady](#); [Tracy Fischbach](#); [John Martin](#); [Steve Berendzen](#); [Joanna Fox](#); [John Trawicki](#)  
**Subject:** FW: FW: Agenda for Thursday May 3rd Coastal Plain EIS Scoping Meeting (1002 Area of Arctic Refuge)  
**Date:** Friday, May 4, 2018 10:33:59 AM

---

FYI....

**From:** O'Dell, Patrick <[patrick\\_odell@fws.gov](mailto:patrick_odell@fws.gov)>  
**Sent:** Thursday, May 3, 2018 3:26 PM  
**To:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>  
**Subject:** Re: FW: Agenda for Thursday May 3rd Coastal Plain EIS Scoping Meeting (1002 Area of Arctic Refuge)

Hi Wendy,

Just a couple of notes from today's meeting.

**BLM's approach to RFD development seems reasonable.** Wayne ? (BLM Fluids Chief) talked about approach to developing the RFD scenarios (Reasonable Foreseeable Development Scenarios). The approach he described - basically applying USGS estimates and field sizes to similar exploration and development approaches used most recently on the North Slope - seems like a good and really the only logical approach.

**Sand and gravel pits on Federal lands within Area 1002 should count in 2000-acre accounting.** Someone asked if disturbance associated with gravel mining sites counted toward the 2000-acre land use limit under the Tax Act. Maybe I missed something, but Mike? went into a long explanation of on-lease and off-lease and ROW uses and such. The question under the Tax Act is "on" or "off" the Coastal Plan (Area 1002) as defined in the Act so leases and ROWs admin is not relevant to the 2000-acre accounting. A gravel mine in support of roads and pads fits under any normal broad category of "support facility" as used in the Act.

I listened to most of the discussions through the day. It was very informative for me to hear our specialists talk about issues and concerns so thank you for including me on the invite. Don't hesitate to reach me or provide my contact info to folks on your team should oil and gas questions come up. My specialty is identifying ways to avoid or minimize impacts from oil and gas exploration and development, and then assessing the technical feasibility of the alternatives.

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](mailto:patrick_odell@fws.gov)

0000008008

On Thu, May 3, 2018 at 7:21 AM, O'Dell, Patrick <[patrick\\_odell@fws.gov](mailto:patrick_odell@fws.gov)> wrote:

Hi Wendy,

Thanks for the invite. I will plan on the non-renewable section for sure...and the intro. Probably be listening to others as well just for my own education.

Thanks.

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](mailto:patrick_odell@fws.gov)

On Tue, May 1, 2018 at 10:35 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Dear FWS Colleagues in Colorado,

This is short notice, but on Thursday BLM will be hosting an initial scoping meeting for Cooperating Agencies (FWS, State of Alaska and others) for the Coastal Plain Oil and Gas Leasing Program in the Arctic Refuge. Please see the attached agenda (Participants CoastaleIS....doc) with the call-in info.

Region 7 would be grateful for your participation, if possible, in the first session on Air Quality from approximately 9:15am -10 am AK time (11:15-12 MT) and for Patrick from 4-4:45 MT for the Petroleum session. Of course, we welcome your participation from the beginning at 10:30 am MT and anywhere you or other colleagues might contribute.

We do expect to be provide additional comments during the 60 day scoping period since not everyone will be available this Thursday, and so if you are not available Thursday but would like to work with us on comments, please let me know.

Thank you in advance for your time!

Wendy

---

**From:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>

**Sent:** Tuesday, May 1, 2018 8:27 AM

**To:** Steve Berendzen <[steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)>; Joanna Fox <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)>; Doug Damberg <[doug\\_damberg@fws.gov](mailto:doug_damberg@fws.gov)>; Mitch Ellis <[mitch\\_ellis@fws.gov](mailto:mitch_ellis@fws.gov)>; Socheata Lor <[socheata\\_lor@fws.gov](mailto:socheata_lor@fws.gov)>; Mary Colligan <[mary\\_colligan@fws.gov](mailto:mary_colligan@fws.gov)>; Patrick Lemons <[patrick\\_lemons@fws.gov](mailto:patrick_lemons@fws.gov)>; Eric Taylor <[eric\\_taylor@fws.gov](mailto:eric_taylor@fws.gov)>; Richard Lanctot <[richard\\_lanctot@fws.gov](mailto:richard_lanctot@fws.gov)>; Carl Johnson <[carl\\_johnson@fws.gov](mailto:carl_johnson@fws.gov)>; Joshua Ream <[joshua\\_ream@fws.gov](mailto:joshua_ream@fws.gov)>; Andrea Medeiros <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)>; Sara Boario <[sara\\_boario@fws.gov](mailto:sara_boario@fws.gov)>; Stephanie Brady <[stephanie\\_brady@fws.gov](mailto:stephanie_brady@fws.gov)>;

Tracy Fischbach ([tracy\\_fischbach@fws.gov](mailto:tracy_fischbach@fws.gov)) <[tracy\\_fischbach@fws.gov](mailto:tracy_fischbach@fws.gov)>; John Trawicki <[john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov)>; John Martin <[john\\_w\\_martin@fws.gov](mailto:john_w_martin@fws.gov)>; Drew Crane <[drew\\_crane@fws.gov](mailto:drew_crane@fws.gov)>; Greg Siekaniec <[greg\\_siekaniec@fws.gov](mailto:greg_siekaniec@fws.gov)>; Karen Murphy <[karen\\_a\\_murphy@fws.gov](mailto:karen_a_murphy@fws.gov)>

**Cc:** Greta Burkart <[greta\\_burkart@fws.gov](mailto:greta_burkart@fws.gov)>; Joshua Rose <[joshua\\_rose@fws.gov](mailto:joshua_rose@fws.gov)>; Angela Matz <[angela\\_matz@fws.gov](mailto:angela_matz@fws.gov)>; Paul Leonard <[paul\\_leonard@fws.gov](mailto:paul_leonard@fws.gov)>; Randy Brown <[randy\\_j\\_brown@fws.gov](mailto:randy_j_brown@fws.gov)>; Hollis Twitchell <[hollis\\_twitchell@fws.gov](mailto:hollis_twitchell@fws.gov)>; Edward Decleva <[edward\\_decleva@fws.gov](mailto:edward_decleva@fws.gov)>; Stephen Arthur <[stephen\\_arthur@fws.gov](mailto:stephen_arthur@fws.gov)>; Christopher Latty <[christopher\\_latty@fws.gov](mailto:christopher_latty@fws.gov)>; Ryan Wilson ([ryan\\_r\\_wilson@fws.gov](mailto:ryan_r_wilson@fws.gov)) <[ryan\\_r\\_wilson@fws.gov](mailto:ryan_r_wilson@fws.gov)>; Christopher Putnam <[christopher\\_putnam@fws.gov](mailto:christopher_putnam@fws.gov)>; Peter Butteri <[peter\\_butteri@fws.gov](mailto:peter_butteri@fws.gov)>; Ted Swem <[ted\\_swem@fws.gov](mailto:ted_swem@fws.gov)>; Louise Smith <[louise\\_smith@fws.gov](mailto:louise_smith@fws.gov)>; Tracy Fischbach ([tracy\\_fischbach@fws.gov](mailto:tracy_fischbach@fws.gov)) <[tracy\\_fischbach@fws.gov](mailto:tracy_fischbach@fws.gov)>; Jennifer Reed <[jennifer\\_reed@fws.gov](mailto:jennifer_reed@fws.gov)>; Alfredo Soto <[alfredo\\_soto@fws.gov](mailto:alfredo_soto@fws.gov)>; Susan LaKonski <[susan\\_lakonski@fws.gov](mailto:susan_lakonski@fws.gov)>; Roger Kaye <[roger\\_kaye@fws.gov](mailto:roger_kaye@fws.gov)>

**Subject:** Agenda for Thursday May 3rd Coastal Plain EIS Scoping Meeting

Dear FWS colleagues,

Attached you will find the agenda for the Coastal Plain oil and Gas Leasing Program EIS Internal Scoping meeting for FWS and the State of Alaska (and any other Cooperating Agencies identified by Thursday) to be hosted by BLM and the contractor hired to assist with the EIS. You are invited to attend all or part of the meeting either in person or via teleconference. We do hope that everyone can join/call in for the opening session from 8:30 am – 9:15 for introductions and Program Overview. The 1002 Team has then identified slots during the day where we think your expertise best fits, and so please see the attached agenda for when we hope you can participate. I do expect that the schedule could deviate from the timeline, likely running late, so please be as flexible as you can.

If you are not able to join during the time of your expertise, don't fret: we expect that FWS will be generating scoping comments to share with BLM and the contractor before the end of the public scoping period as we will not have all relevant expertise available or ready on Thursday. More about that after Thursday's meeting.

If you are able to join, please be as prepared as you can with substantive comments about issues of concern related to your area of expertise. Reviewing the Resource Assessments FWS completed would be helpful, and I will make those available to all staff, BLM and the contractors via Google docs or similar later today in addition to already being on the R7 Common Drive 1002ArcticRefuge folder. This is our first opportunity to identify analyses that we believe should be completed in the EIS with regards to leasing lands for exploration and development in the 1002 area, **with the ultimate goal of having the right stipulations and best management practices in place to protect natural resources, where needed.**

Again, refer to the attached document that describes the NPRA stips/BMPs by subject. Also including attachments with Tax Act Language for the Coastal Plain and SO 3355 about expedited NEPA.

BLM Alaska State Office, Anchorage, AK Denali  
Conference Room

Dial-in Phone: b5-CIP [REDACTED]

Passcode: b5-CIP [REDACTED]

Don't hesitate to contact me or any of the other 1002 Points of Contact with questions  
(Steve B, Joanna, John T, Rick (for Eric) or Carl),  
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:** [Bud Cribley](#)  
**Subject:** FW: Invitation: BLM USFWS Seismic Pre NEPA Kickoff Meeting @ Fri May 4, 2018 10:30am - 12:30pm (AKDT) (slamarr@blm.gov)  
**Date:** Friday, May 4, 2018 11:12:03 AM  
**Attachments:** [Seismic Webex Invite.docx](#)  
[Webex Instructions.docx](#)

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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:** LaMarr, Sarah <[slamarr@blm.gov](mailto:slamarr@blm.gov)>  
**Sent:** Thursday, May 3, 2018 12:27 PM  
**To:** Donna Wixon <[dwixon@blm.gov](mailto:dwixon@blm.gov)>  
**Cc:** Robert Brumbaugh <[rbrumbau@blm.gov](mailto:rbrumbau@blm.gov)>; Matt Whitman <[mwhitman@blm.gov](mailto:mwhitman@blm.gov)>; Joseph Keeney <[jkeeney@blm.gov](mailto:jkeeney@blm.gov)>; [greta\\_burkart@fws.gov](mailto:greta_burkart@fws.gov); [stephen\\_arthur@fws.gov](mailto:stephen_arthur@fws.gov); Vosburgh, Timothy <[tvosburgh@blm.gov](mailto:tvosburgh@blm.gov)>; [christopher\\_latty@fws.gov](mailto:christopher_latty@fws.gov); Richard Kemnitz <[rkemnitz@blm.gov](mailto:rkemnitz@blm.gov)>; [roger\\_kaye@fws.gov](mailto:roger_kaye@fws.gov); [steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov); Lonnie Bryant <[lbryant@blm.gov](mailto:lbryant@blm.gov)>; Ted Murphy <[t75murph@blm.gov](mailto:t75murph@blm.gov)>; Stacey Fritz <[sfritz@blm.gov](mailto:sfritz@blm.gov)>; [ted\\_swem@fws.gov](mailto:ted_swem@fws.gov); Sweet, Serena <[ssweet@blm.gov](mailto:ssweet@blm.gov)>; Conn, Sarah <[sarah\\_conn@fws.gov](mailto:sarah_conn@fws.gov)>; [joshua\\_rose@fws.gov](mailto:joshua_rose@fws.gov); Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>; [john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov); [joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov); Nigro, Debora <[dnigro@blm.gov](mailto:dnigro@blm.gov)>; [stephanie\\_brady@fws.gov](mailto:stephanie_brady@fws.gov); Debenham, Krystal <[kdebenham@blm.gov](mailto:kdebenham@blm.gov)>; Terra Meares <[tmeares@blm.gov](mailto:tmeares@blm.gov)>; Nichelle Jones <[njones@blm.gov](mailto:njones@blm.gov)>; [hollis\\_twitchell@fws.gov](mailto:hollis_twitchell@fws.gov)  
**Subject:** Re: Invitation: BLM USFWS Seismic Pre NEPA Kickoff Meeting @ Fri May 4, 2018 10:30am - 12:30pm (AKDT) ([slamarr@blm.gov](mailto:slamarr@blm.gov))

For those folks who will be joining us via phone who would like to see the presentation materials, please follow the attached instructions to participate in a WebEx.

If you have any problems, let us know!

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

On Wed, May 2, 2018 at 11:39 AM, Donna Wixon <[dwixon@blm.gov](mailto:dwixon@blm.gov)> wrote:

[more details »](#)

**BLM USFWS Seismic Pre NEPA Kickoff Meeting**

Meeting to discuss the proposed seismic application for the 1002 Area. It is possible that we won't

have a nonconfidential application before the meeting. The applicant is working to provide us information that we will be able to use for the EA. Please see attached draft agenda and let me know if there are suggested additions or changes to the agenda. Thank-you very much for your participation in the meeting.

When Fri May 4, 2018 10:30am – 12:30pm Alaska Time

Where BLM-AK FDO Kobuk Room, BLM-AK SO Bridge **b5-CIP** Passcode **b5-CIP** ([map](#))

Video call **b5-CIP**

Calendar [slamarr@blm.gov](mailto:slamarr@blm.gov)

Who

- [dwixon@blm.gov](mailto:dwixon@blm.gov) - organizer
- [rbrumbau@blm.gov](mailto:rbrumbau@blm.gov)
- [mwhitman@blm.gov](mailto:mwhitman@blm.gov)
- [jkeeney@blm.gov](mailto:jkeeney@blm.gov)
- [greta\\_burkart@fws.gov](mailto:greta_burkart@fws.gov)
- [stephen\\_arthur@fws.gov](mailto:stephen_arthur@fws.gov)
- [tvosburgh@blm.gov](mailto:tvosburgh@blm.gov)
- [christopher\\_latty@fws.gov](mailto:christopher_latty@fws.gov)
- [rkemnitz@blm.gov](mailto:rkemnitz@blm.gov)
- [roger\\_kaye@fws.gov](mailto:roger_kaye@fws.gov)
- [steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)
- [lbryant@blm.gov](mailto:lbryant@blm.gov)
- [t75murph@blm.gov](mailto:t75murph@blm.gov)
- [sfritz@blm.gov](mailto:sfritz@blm.gov)
- [ted\\_swem@fws.gov](mailto:ted_swem@fws.gov)
- [ssweet@blm.gov](mailto:ssweet@blm.gov)
- [sarah\\_conn@fws.gov](mailto:sarah_conn@fws.gov)
- [joshua\\_rose@fws.gov](mailto:joshua_rose@fws.gov)
- [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)
- [john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov)
- [slamarr@blm.gov](mailto:slamarr@blm.gov)
- [joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)
- [dnigro@blm.gov](mailto:dnigro@blm.gov)
- [stephanie\\_brady@fws.gov](mailto:stephanie_brady@fws.gov)
- [kdebenham@blm.gov](mailto:kdebenham@blm.gov)
- [tmearns@blm.gov](mailto:tmearns@blm.gov)
- [njones@blm.gov](mailto:njones@blm.gov)
- [hollis\\_twitchell@fws.gov](mailto:hollis_twitchell@fws.gov)

Attachments [Draft Agenda May 2 2018 \(1\).docx](#)

Going? **Yes** - **Maybe** - **No** [more options »](#)

Invitation from [Google Calendar](#)

You are receiving this email at the account [slamarr@blm.gov](mailto:slamarr@blm.gov) because you are subscribed for invitations on calendar [slamarr@blm.gov](mailto:slamarr@blm.gov).

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**From:** [Wendy Loya](#)  
**To:** [Joanna Fox](#); [Andrea Medeiros](#)  
**Cc:** [Sara Boario](#)  
**Subject:** RE: FAQs for FWS NOI for EIS DRAFT 041818.docx  
**Date:** Friday, May 4, 2018 11:32:22 AM

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That would work for me, or next week...

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:** Joanna Fox <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)>  
**Sent:** Friday, May 4, 2018 9:24 AM  
**To:** Medeiros, Andrea <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)>  
**Cc:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>; Sara Boario <[sara\\_boario@fws.gov](mailto:sara_boario@fws.gov)>  
**Subject:** Re: FAQs for FWS NOI for EIS DRAFT 041818.docx

I can be available between 2 and 3 today. Am otherwise tied up in meetings.

Sent from my iPad

On May 3, 2018, at 12:35 PM, Medeiros, Andrea <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)> wrote:

Hi Joanna and Wendy,

Can we take some time tomorrow to touch base on communications related to the upcoming scoping?

---

Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
(907) 786-3695  
Mobile: (907) 227-4788

Connect with us:

[<Facebook\\_Logo for Email Signature Block.png>](#) [<twitter-icon Signature Block.jpg>](#)

On Wed, Apr 18, 2018 at 3:01 PM, Medeiros, Andrea  
<[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)> wrote:

Hi Wendy,

A few suggested edits for these talking points. We might want to include the website address and/or contact information for those in the know at BLM.

---

Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
(907) 786-3695  
Mobile: (907) 227-4788

Connect with us:

[<Facebook\\_Logo for Email Signature Block.png>](#) [<twitter-icon Signature Block.jpg>](#)

On Wed, Apr 18, 2018 at 12:22 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi Andrea, Sara and Nicole,

I have made an attempt to help create information in the form of FAQs that the FWS can share in response to inquiries from communities, the public or others with regards to the release of the NOI for the EIS on Friday April 20th. Please see attached.

The goal was to have information that FWS External Affairs staff could use to provide initial information on the process, and directing further questions to BLM or DOI as needed. I am not clear if FWS External Affairs would want staff answering questions, so as this moves forward that should be communicated clearly. Nicole, we would be grateful for your edits to this sheet, including topics you think are better addressed by directing inquiries to BLM.

I am headed out of the office on Annual leave in a few hours ☺ and Drew will be the Regional Point of Contact for the 1002 team at FWS to ensure the right team members are included in follow up further with Andrea and Sara, especially Steve and Joanna at the Refuge.

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:** [Cribley, Bud](#)  
**To:** [Wendy Loya](#)  
**Subject:** Re: FW: Invitation: BLM USFWS Seismic Pre NEPA Kickoff Meeting @ Fri May 4, 2018 10:30am - 12:30pm (AKDT) ([slamarr@blm.gov](mailto:slamarr@blm.gov))  
**Date:** Friday, May 4, 2018 11:50:48 AM

---

Wendy,

Thank you for sharing.

Sounds like you all are really busy.

Good luck.

Bud

On Fri, May 4, 2018 at 1:12 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

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:** LaMarr, Sarah <[slamarr@blm.gov](mailto:slamarr@blm.gov)>

**Sent:** Thursday, May 3, 2018 12:27 PM

**To:** Donna Wixon <[dwixon@blm.gov](mailto:dwixon@blm.gov)>

**Cc:** Robert Brumbaugh <[rbrumbau@blm.gov](mailto:rbrumbau@blm.gov)>; Matt Whitman <[mwhitman@blm.gov](mailto:mwhitman@blm.gov)>; Joseph Keeney <[jkeeney@blm.gov](mailto:jkeeney@blm.gov)>; [greta\\_burkart@fws.gov](mailto:greta_burkart@fws.gov); [stephen\\_arthur@fws.gov](mailto:stephen_arthur@fws.gov); Vosburgh, Timothy <[tvosburgh@blm.gov](mailto:tvosburgh@blm.gov)>; [christopher\\_latty@fws.gov](mailto:christopher_latty@fws.gov); Richard Kemnitz <[rkemnitz@blm.gov](mailto:rkemnitz@blm.gov)>; [roger\\_kaye@fws.gov](mailto:roger_kaye@fws.gov); [steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov); Lonnie Bryant <[lbryant@blm.gov](mailto:lbryant@blm.gov)>; Ted Murphy <[t75murph@blm.gov](mailto:t75murph@blm.gov)>; Stacey Fritz <[sfritz@blm.gov](mailto:sfritz@blm.gov)>; [ted\\_swem@fws.gov](mailto:ted_swem@fws.gov); Sweet, Serena <[ssweet@blm.gov](mailto:ssweet@blm.gov)>; Conn, Sarah <[sarah\\_conn@fws.gov](mailto:sarah_conn@fws.gov)>; [joshua\\_rose@fws.gov](mailto:joshua_rose@fws.gov); Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>; [john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov); [joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov); Nigro, Debora <[dnigro@blm.gov](mailto:dnigro@blm.gov)>; [stephanie\\_brady@fws.gov](mailto:stephanie_brady@fws.gov); Debenham, Krystal <[kdebenham@blm.gov](mailto:kdebenham@blm.gov)>; Terra Meares <[tmeares@blm.gov](mailto:tmeares@blm.gov)>; Nichelle Jones <[njones@blm.gov](mailto:njones@blm.gov)>; [hollis\\_twitchell@fws.gov](mailto:hollis_twitchell@fws.gov)

**Subject:** Re: Invitation: BLM USFWS Seismic Pre NEPA Kickoff Meeting @ Fri May 4, 2018 10:30am - 12:30pm (AKDT) ([slamarr@blm.gov](mailto:slamarr@blm.gov))

0000008017

For those folks who will be joining us via phone who would like to see the presentation materials, please follow the attached instructions to participate in a WebEx.

If you have any problems, let us know!

Sarah La Marr

Bureau of Land Management

Arctic District Office

Fairbanks, Alaska

907-474-2334 (desk)

907-888-3407 (cell)

[slamarr@blm.gov](mailto:slamarr@blm.gov)

On Wed, May 2, 2018 at 11:39 AM, Donna Wixon <[dwixon@blm.gov](mailto:dwixon@blm.gov)> wrote:

[more details »](#)

### BLM USFWS Seismic Pre NEPA Kickoff Meeting

Meeting to discuss the proposed seismic application for the 1002 Area. It is possible that we won't have a nonconfidential application before the meeting. The applicant is working to provide us information that we will be able to use for the EA. Please see attached draft agenda and let me know if there are suggested additions or changes to the agenda. Thank-you very much for your participation in the meeting.

When Fri May 4, 2018 10:30am – 12:30pm Alaska Time

Where BLM-AK FDO Kobuk Room, BLM-AK SO Bridge **b5-CIP** Passcode **b5-CIP** ([map](#))

Video call **b5-CIP**

Calendar [slamarr@blm.gov](mailto:slamarr@blm.gov)

- Who
- [dwixon@blm.gov](mailto:dwixon@blm.gov) - organizer
  - [rbrumbau@blm.gov](mailto:rbrumbau@blm.gov)
  - [mwhitman@blm.gov](mailto:mwhitman@blm.gov)
  - [jkeeney@blm.gov](mailto:jkeeney@blm.gov)

- [greta\\_burkart@fws.gov](mailto:greta_burkart@fws.gov)
- [stephen\\_arthur@fws.gov](mailto:stephen_arthur@fws.gov)
- [tvosburgh@blm.gov](mailto:tvosburgh@blm.gov)
- [christopher\\_latty@fws.gov](mailto:christopher_latty@fws.gov)
- [rkemnitz@blm.gov](mailto:rkemnitz@blm.gov)
- [roger\\_kaye@fws.gov](mailto:roger_kaye@fws.gov)
- [steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)
- [lbryant@blm.gov](mailto:lbryant@blm.gov)
- [t75murph@blm.gov](mailto:t75murph@blm.gov)
- [sfritz@blm.gov](mailto:sfritz@blm.gov)
- [ted\\_swem@fws.gov](mailto:ted_swem@fws.gov)
- [ssweet@blm.gov](mailto:ssweet@blm.gov)
- [sarah\\_conn@fws.gov](mailto:sarah_conn@fws.gov)
- [joshua\\_rose@fws.gov](mailto:joshua_rose@fws.gov)
- [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)
- [john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov)
- [slamarr@blm.gov](mailto:slamarr@blm.gov)
- [joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)
- [dnigro@blm.gov](mailto:dnigro@blm.gov)
- [stephanie\\_brady@fws.gov](mailto:stephanie_brady@fws.gov)
- [kdebenham@blm.gov](mailto:kdebenham@blm.gov)
- [tmeares@blm.gov](mailto:tmeares@blm.gov)
- [njones@blm.gov](mailto:njones@blm.gov)
- [hollis\\_twitchell@fws.gov](mailto:hollis_twitchell@fws.gov)

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--

**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](mailto:bud_cribley@fws.gov)**

**From:** [Wendy Loya](#)  
**To:** [Bud Cribley](#)  
**Subject:** RE: FW: Invitation: BLM USFWS Seismic Pre NEPA Kickoff Meeting @ Fri May 4, 2018 10:30am - 12:30pm (AKDT) ([slamarr@blm.gov](mailto:slamarr@blm.gov))  
**Date:** Friday, May 4, 2018 12:24:54 PM

---

Absolutely, there is also webinar link.

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:** Cribley, Bud <[bud\\_cribley@fws.gov](mailto:bud_cribley@fws.gov)>  
**Sent:** Friday, May 4, 2018 10:19 AM  
**To:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>  
**Cc:** Gregory Siekaniec <[greg\\_siekaniec@fws.gov](mailto:greg_siekaniec@fws.gov)>  
**Subject:** Re: FW: Invitation: BLM USFWS Seismic Pre NEPA Kickoff Meeting @ Fri May 4, 2018 10:30am - 12:30pm (AKDT) ([slamarr@blm.gov](mailto:slamarr@blm.gov))

Wendy,

Do you think it would be ok for me to call in?

bud

On Fri, May 4, 2018 at 1:12 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

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:** LaMarr, Sarah <[slamarr@blm.gov](mailto:slamarr@blm.gov)>  
**Sent:** Thursday, May 3, 2018 12:27 PM  
**To:** Donna Wixon <[dwixon@blm.gov](mailto:dwixon@blm.gov)>  
**Cc:** Robert Brumbaugh <[rbrumbau@blm.gov](mailto:rbrumbau@blm.gov)>; Matt Whitman <[mwhitman@blm.gov](mailto:mwhitman@blm.gov)>; Joseph Keeney <[jkeeney@blm.gov](mailto:jkeeney@blm.gov)>; [greta\\_burkart@fws.gov](mailto:greta_burkart@fws.gov); [stephen\\_arthur@fws.gov](mailto:stephen_arthur@fws.gov); Vosburgh, Timothy <[tvosburgh@blm.gov](mailto:tvosburgh@blm.gov)>; [christopher\\_latty@fws.gov](mailto:christopher_latty@fws.gov); Richard Kemnitz <[rkemnitz@blm.gov](mailto:rkemnitz@blm.gov)>; [roger\\_kaye@fws.gov](mailto:roger_kaye@fws.gov); [steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov); Lonnie Bryant <[lbryant@blm.gov](mailto:lbryant@blm.gov)>; Ted Murphy <[t75murph@blm.gov](mailto:t75murph@blm.gov)>; Stacey Fritz <[sfritz@blm.gov](mailto:sfritz@blm.gov)>; [ted\\_swem@fws.gov](mailto:ted_swem@fws.gov); Sweet, Serena <[ssweet@blm.gov](mailto:ssweet@blm.gov)>; Conn, Sarah <[sarah\\_conn@fws.gov](mailto:sarah_conn@fws.gov)>; [joshua\\_rose@fws.gov](mailto:joshua_rose@fws.gov); Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>; [john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov);

[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov); Nigro, Debora <[dnigro@blm.gov](mailto:dnigro@blm.gov)>; [stephanie\\_brady@fws.gov](mailto:stephanie_brady@fws.gov); Debenham, Krystal <[kdebenham@blm.gov](mailto:kdebenham@blm.gov)>; Terra Meares <[tmeares@blm.gov](mailto:tmeares@blm.gov)>; Nichelle Jones <[njones@blm.gov](mailto:njones@blm.gov)>; [hollis\\_twitchell@fws.gov](mailto:hollis_twitchell@fws.gov)

**Subject:** Re: Invitation: BLM USFWS Seismic Pre NEPA Kickoff Meeting @ Fri May 4, 2018 10:30am - 12:30pm (AKDT) ([slamarr@blm.gov](mailto:slamarr@blm.gov))

For those folks who will be joining us via phone who would like to see the presentation materials, please follow the attached instructions to participate in a WebEx.

If you have any problems, let us know!

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

On Wed, May 2, 2018 at 11:39 AM, Donna Wixon <[dwixon@blm.gov](mailto:dwixon@blm.gov)> wrote:

[more details »](#)

### **BLM USFWS Seismic Pre NEPA Kickoff Meeting**

Meeting to discuss the proposed seismic application for the 1002 Area. It is possible that we won't have a nonconfidential application before the meeting. The applicant is working to provide us information that we will be able to use for the EA. Please see attached draft agenda and let me know if there are suggested additions or changes to the agenda. Thank-you very much for your participation in the meeting.

When Fri May 4, 2018 10:30am – 12:30pm Alaska Time

Where BLM-AK FDO Kobuk Room, BLM-AK SO Bridge **b5-CIP** Passcode **b5-CIP** ([map](#))

Video call **b5-CIP**

Calendar [slamarr@blm.gov](mailto:slamarr@blm.gov)

Who

- [dwixon@blm.gov](mailto:dwixon@blm.gov) - organizer
- [rbrumbau@blm.gov](mailto:rbrumbau@blm.gov)
- [mwhitman@blm.gov](mailto:mwhitman@blm.gov)
- [jkeeney@blm.gov](mailto:jkeeney@blm.gov)
- [greta\\_burkart@fws.gov](mailto:greta_burkart@fws.gov)
- [stephen\\_arthur@fws.gov](mailto:stephen_arthur@fws.gov)
- [tvosburgh@blm.gov](mailto:tvosburgh@blm.gov)
- [christopher\\_latty@fws.gov](mailto:christopher_latty@fws.gov)
- [rkemnitz@blm.gov](mailto:rkemnitz@blm.gov)
- [roger\\_kaye@fws.gov](mailto:roger_kaye@fws.gov)
- [steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)
- [lbryant@blm.gov](mailto:lbryant@blm.gov)
- [t75murph@blm.gov](mailto:t75murph@blm.gov)
- [sfritz@blm.gov](mailto:sfritz@blm.gov)

- [ted\\_swem@fws.gov](mailto:ted_swem@fws.gov)
- [ssweet@blm.gov](mailto:ssweet@blm.gov)
- [sarah\\_conn@fws.gov](mailto:sarah_conn@fws.gov)
- [joshua\\_rose@fws.gov](mailto:joshua_rose@fws.gov)
- [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)
- [john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov)
- [slamarr@blm.gov](mailto:slamarr@blm.gov)
- [joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)
- [dnigro@blm.gov](mailto:dnigro@blm.gov)
- [stephanie\\_brady@fws.gov](mailto:stephanie_brady@fws.gov)
- [kdebenham@blm.gov](mailto:kdebenham@blm.gov)
- [tmearns@blm.gov](mailto:tmearns@blm.gov)
- [njones@blm.gov](mailto:njones@blm.gov)
- [hollis\\_twitchell@fws.gov](mailto:hollis_twitchell@fws.gov)

Attachments [Draft Agenda May 2 2018 \(1\).docx](#)

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--

**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](mailto:bud_cribley@fws.gov)**

**From:** [Wendy Loya](#)  
**To:** [Bud Cribley](#)  
**Subject:** FW: Invitation: BLM USFWS Seismic Pre NEPA Kickoff Meeting @ Fri May 4, 2018 10:30am - 12:30pm (AKDT) (slamarr@blm.gov)  
**Date:** Friday, May 4, 2018 12:26:27 PM  
**Attachments:** [Seismic Webex Invite.docx](#)  
[Webex Instructions.docx](#)

---

For those folks who will be joining us via phone who would like to see the presentation materials, please follow the attached instructions to participate in a WebEx.

If you have any problems, let us know!

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

On Wed, May 2, 2018 at 11:39 AM, Donna Wixon <[dwixon@blm.gov](mailto:dwixon@blm.gov)> wrote:

[more details »](#)

### BLM USFWS Seismic Pre NEPA Kickoff Meeting

Meeting to discuss the proposed seismic application for the 1002 Area. It is possible that we won't have a nonconfidential application before the meeting. The applicant is working to provide us information that we will be able to use for the EA. Please see attached draft agenda and let me know if there are suggested additions or changes to the agenda. Thank-you very much for your participation in the meeting.

When Fri May 4, 2018 10:30am – 12:30pm Alaska Time

Where BLM-AK FDO Kobuk Room, BLM-AK SO Bridge **b5-CIP** Passcode  
**b5-CIP** ([map](#))

Video call **b5-CIP**

Calendar [slamarr@blm.gov](mailto:slamarr@blm.gov)

Who

- [dwixon@blm.gov](mailto:dwixon@blm.gov) - organizer
- [rbrumbau@blm.gov](mailto:rbrumbau@blm.gov)
- [mwhitman@blm.gov](mailto:mwhitman@blm.gov)
- [jkeeney@blm.gov](mailto:jkeeney@blm.gov)
- [greta\\_burkart@fws.gov](mailto:greta_burkart@fws.gov)
- [stephen\\_arthur@fws.gov](mailto:stephen_arthur@fws.gov)
- [tvosburgh@blm.gov](mailto:tvosburgh@blm.gov)
- [christopher\\_latty@fws.gov](mailto:christopher_latty@fws.gov)
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- [lbryant@blm.gov](mailto:lbryant@blm.gov)
- [t75murph@blm.gov](mailto:t75murph@blm.gov)

- [sfritz@blm.gov](mailto:sfritz@blm.gov)
- [ted\\_swem@fws.gov](mailto:ted_swem@fws.gov)
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- [sarah\\_conn@fws.gov](mailto:sarah_conn@fws.gov)
- [joshua\\_rose@fws.gov](mailto:joshua_rose@fws.gov)
- [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)
- [john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov)
- [slamarr@blm.gov](mailto:slamarr@blm.gov)
- [joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)
- [dnigro@blm.gov](mailto:dnigro@blm.gov)
- [stephanie\\_brady@fws.gov](mailto:stephanie_brady@fws.gov)
- [kdebenham@blm.gov](mailto:kdebenham@blm.gov)
- [tmeares@blm.gov](mailto:tmeares@blm.gov)
- [njones@blm.gov](mailto:njones@blm.gov)
- [hollis\\_twitchell@fws.gov](mailto:hollis_twitchell@fws.gov)

Attachments [Draft Agenda May 2 2018 \(1\).docx](#)

Going? **Yes - Maybe - No** [more options »](#)

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**From:** [Wendy Loya](#)  
**To:** [Greg Siekaniec](#); [Karen Clark](#)  
**Subject:** DRAFT dates for public scoping for 1002  
**Date:** Friday, May 4, 2018 2:57:06 PM

---

BLM hopes to have a final schedule early next week, but FYI possibly:

May 22<sup>nd</sup> Kaktovik;  
Arctic Village May 23<sup>rd</sup>;  
Fai May 29<sup>th</sup>;  
Anc May 30<sup>th</sup>;  
Utqiagvik May 31<sup>st</sup>;  
Venetie May 21<sup>st</sup> or June 1<sup>st</sup>;

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:** [Patrick O'Dell](#)  
**Subject:** 1002 Seismic application  
**Date:** Friday, May 4, 2018 3:43:21 PM  
**Attachments:** [Marsh Creek Plan of Operations V8.1 F.pdf](#)

---

Hi Patrick,

To keep you in the loop on 1002, BLM has received a seismic application for possibly December 2019. FWS will work with BLM on the NEPA Analyses, in addition to ESA/MMPA. If you'd like to track the ongoing discussions, we can forward future materials as well as meeting notices; we may hold weekly meetings to coordinate.

Have a good weekend,  
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:** [Kahn, Lynnda](#)  
**To:** [Wendy Loya](#)  
**Subject:** Re: 1002 Seismic NEPA  
**Date:** Friday, May 4, 2018 3:45:42 PM

---

Yes, I'd like to stay involved, very much so. I just sent an email to you and Mitch (hope you don't mind) but something is really bothering me about this process. I'll wait to hear back from you.....

*Lynnda*

*Lynnda Kahn | Fish & Wildlife Biologist*

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

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On Fri, May 4, 2018 at 1:39 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi Lynnda,

Thanks for joining the call today, would be curious to know what your thoughts are about the proposal and the process. If you have feedback, perhaps you could join our weekly internal FWS call next Wednesday at 1pm to share thoughts? Would you like to remain engaged in calls about the seismic NEPA process if we set up weekly meetings with BLM?

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:** Kahn, Lynnda <[lynda\\_kahn@fws.gov](mailto:lynda_kahn@fws.gov)>  
**Sent:** Friday, May 4, 2018 11:13 AM  
**To:** Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>  
**Subject:**

Wendy, did you get the handout yet?

*Lynnda*

*Lynnda Kahn | Fish & Wildlife Biologist*

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



**From:** [Wendy Loya](#)  
**To:** [Steve Berendzen](#); [Joanna Fox](#); [Stephanie Brady](#); [Tracy Fischbach](#); [Mitch Ellis](#); [Doug Damberg](#); [Bud Cribley](#)  
**Cc:** [Lynnda Kahn](#)  
**Subject:** FW: 1002 Area Seismic feedback from LK @kenai  
**Date:** Friday, May 4, 2018 3:52:38 PM

---

Hi 1002 team,

Forwarding some thoughts from Lynnda, that we should probably discuss with Sarena Sweet at BLM, who would likely consult with the solicitor about...

Depending on the timing of the next joint Seismic meeting, we can discuss how to approach either next Weds at 1pm or via email.

Thank you Lynnda, we are grateful for you to continue to share your experience in this new-to-Arctic project.

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:** Kahn, Lynnda <[lynnda\\_kahn@fws.gov](mailto:lynnda_kahn@fws.gov)>  
**Sent:** Friday, May 4, 2018 1:45 PM  
**To:** Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>; Mitch Ellis <[mitch\\_ellis@fws.gov](mailto:mitch_ellis@fws.gov)>  
**Cc:** Andy Loranger <[andy\\_loranger@fws.gov](mailto:andy_loranger@fws.gov)>; Stephen Miller <[stephen\\_a\\_miller@fws.gov](mailto:stephen_a_miller@fws.gov)>  
**Subject:** 1002 Area Seismic

Hi Wendy and Mitch,

b5-DP/AC [REDACTED]

[REDACTED]

b5-DP/AC

Below are a few other little things I thought of during the teleconference --

b5-DP/AC

[Redacted]

b5-DP/AC

[Redacted]

*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:** [Wendy Loya](#)  
**To:** [Joanna Fox](#)  
**Subject:** FW: FAQs for FWS NOI for EIS DRAFT 041818.docx  
**Date:** Friday, May 4, 2018 3:58:50 PM  
**Attachments:** [Facebook Logo for Email Signature Block.png](#)  
[FAQs for FWS NOI for EIS DRAFT 041818 AJM.docx](#)

---

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:** Medeiros, Andrea <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)>  
**Sent:** Wednesday, April 18, 2018 3:02 PM  
**To:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>  
**Cc:** Sara Boario <[sara\\_boario@fws.gov](mailto:sara_boario@fws.gov)>; Nicole Hayes <[mnhayes@blm.gov](mailto:mnhayes@blm.gov)>; Drew Crane <[drew\\_crane@fws.gov](mailto:drew_crane@fws.gov)>  
**Subject:** Re: FAQs for FWS NOI for EIS DRAFT 041818.docx

Hi Wendy,

A few suggested edits for these talking points. We might want to include the website address and/or contact information for those in the know at BLM.

---

Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
(907) 786-3695  
Mobile: (907) 227-4788

Connect with us:



On Wed, Apr 18, 2018 at 12:22 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi Andrea, Sara and Nicole,

I have made an attempt to help create information in the form of FAQs that the FWS can share in response to inquiries from communities, the public or others with regards to the release of the NOI for the EIS on Friday April 20th. Please see attached.

The goal was to have information that FWS External Affairs staff could use to provide initial information on the process, and directing further questions to BLM or DOI as needed. I am not clear if FWS External Affairs would want staff answering questions, so as this moves forward that should be communicated clearly. Nicole, we would be grateful for your edits to this sheet, including topics you think are better addressed by directing inquiries to BLM.

I am headed out of the office on Annual leave in a few hours ☺ and Drew will be the Regional Point of Contact for the 1002 team at FWS to ensure the right team members are included in follow up further with Andrea and Sara, especially Steve and Joanna at the Refuge.

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:** [Bud Cribley](#); [Lynnda Kahn](#); [Stephanie Brady](#); [John Trawicki](#)  
**Subject:** Presentations from 1002 Seismic meeting today  
**Date:** Friday, May 4, 2018 6:19:19 PM  
**Attachments:** [Serena Sweet Handout.pdf](#)  
[Coastal plain EA proposed action.pptx](#)  
[BMPS specific to seismic.pptx](#)  
[ROD Plan requirements.1.docx](#)

---

FYI....

**From:** Wixon, Donna <[dwixon@blm.gov](mailto:dwixon@blm.gov)>  
**Sent:** Friday, May 4, 2018 4:15 PM  
**To:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>  
**Cc:** Steve Berendzen <[steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)>; Joanna Fox <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)>; Mary Colligan <[mary\\_colligan@fws.gov](mailto:mary_colligan@fws.gov)>; Drew Crane <[drew\\_crane@fws.gov](mailto:drew_crane@fws.gov)>  
**Subject:** Re: Names of people on the phone - today's meeting 1002 seismic

Wendy,

Attached as requested are documents from today's meeting. There wasn't a handout from the regulations portion.

Donna

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

On Fri, May 4, 2018 at 3:51 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi Donna,

We also had Stephanie Brady, John Trawicki and Mitch Ellis.

Would it be possible to get copies of the presentation materials to share with another colleague that was out of town?

Also, our Marine Mammals team here in Anchorage, led by the Associate Regional Director for Ecological Services(ES) Mary Colligan, is working directly with SAE on the seismic application for the MMPA. Any questions about that process can be directed to her, who I have cc'ed here. We can likely have one of their staff join in future calls if needed, although Ted and Sarah provided good information today and the ES Point of Contact Drew Crane has been providing information along the way to Nicole (although I understand the Leasing EIS is a separate process).

0000008035

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:** Wixon, Donna <[dwixon@blm.gov](mailto:dwixon@blm.gov)>

**Sent:** Friday, May 4, 2018 3:45 PM

**To:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>; Steve Berendzen <[steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)>; Joanna Fox <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)>

**Subject:** Names of people on the phone - today's meeting

Hello all,

I wonder if you could tell me who was participating by phone from USFWS today.

I have Lynnda Kahn, Wendy and Bud Cribley, but it seemed like there were quite a few people.

Thanks,  
Donna

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

**From:** [Medeiros, Andrea](#)  
**To:** [Wendy Loya](#); [Joanna Fox](#)  
**Subject:** Opening Statement for 1002 Scoping Meetings  
**Date:** Friday, May 4, 2018 6:48:37 PM  
**Attachments:** [Facebook Logo for Email Signature Block.png](#)  
[Opening Statement for 1002 Scoping Meetings.docx](#)

---

Visitor center and web page statement.

The Bureau of Land Management has been delegated authority to establish and administer the oil and gas program on the Coastal Plain 1002 area within Arctic Refuge and prepare an Environment Impact Statement (EIS). The U.S. Fish and Wildlife Service is cooperating with BLM in the process to develop the EIS.

FAQ

For information on the EIS process and how to participate, please visit [BLM's EIS Web page](#)

Attached is a straw dog opening statement.

---

Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
(907) 786-3695  
Mobile: (907) 227-4788

Connect with us:



**From:** [Stotyn Shannon \(EC\)](#)  
[Deana Lemke](#); [Don Russell \(drussell@yukoncollege.yk.ca\)](#); [Édouard Bélanger](#); [Heather Savine-Crawford](#); [Mcdonald2 Jan \(PC\)](#); [John.Ryder@gov.yk.ca](#); [Julia Ahlgren](#); [Karin Clark](#); [Kyle.Russell@gov.yk.ca](#); [Marsha Branigan@gov.nt.ca](#); [Martin.Kienzler@gov.yk.ca](#); [Leblond3 Mathieu \(EC\)](#); [Mike.Suitor@gov.yk.ca](#); [beth.lenart@alaska.gov](#); [Brad Griffiths \(dbgriffith@alaska.edu\)](#); [jason.caikoski@alaska.gov](#); [Paul Leonard](#); [Steve Arthur](#); [Wendy Lova](#); [anne.gunn \(gunnan@telus.net\)](#); [John.Nishi](#); [Kim Poole](#); [Mary Gamberg](#); [Susan Kutz](#); [jhepler3@alaska.edu](#); [jelle.taillon@mffp.gouv.qc.ca](#); [john@nishi.ca](#); [boulange@ecological.bc.ca](#); [lawhead@abrinc.com](#); [aprichard@abrinc.com](#); [Worthington Lisa \(EC\)](#); [Joel.Potje@gov.yk.ca](#); [b6 \[REDACTED\]@gmail.com](#)  
**Cc:** [John Glynn Morris b6 \[REDACTED\]@gmail.com](#); [Machtans Craig \(EC\)](#)  
**Subject:** [EXTERNAL] PCH Workshop / May 16-17th / Agenda, meeting location, call-in information and background documents  
**Date:** Sunday, May 6, 2018 3:02:36 PM  
**Attachments:** [SawyerEtAl\\_MuleDeerEnergyDevelopHabitAbund\\_2017.pdf](#)  
[Initial Scoping and Annotated Bibliography - Barren-ground Caribou Respo....pdf](#)  
[PCHWorkshop\\_May16\\_17\\_2018\\_FullAgenda\\_20180506.docx](#)

---

Hello,

Thanks everyone for coming to Whitehorse in a couple weeks (May 16-17<sup>th</sup>). I hope it will be spring by then! Mike and I have put together an agenda together that was designed to both inform and to encourage discussion through a series of 15 minute presentations (+ 10 minutes for immediate questions) followed by workshop sessions on the background, impacts, monitoring and mitigation of possible development on the Porcupine caribou herd. We hope this information will prove useful for consideration in your future planning and assessment processes. If you are unable to attend in person we have WebEx and teleconference capability available throughout the duration of the workshop.

We have a lot of material to cover and limited time to do so. If you have suggestions on key areas of discussion for the workshop under each subheading, please send along to us and we will try to ensure the sessions are scoped appropriately based on our thoughts and your feedback. Please note that the titles provided for the talks are rough as the agenda continues to tweak a bit given the tight timelines we've pulled this together on. We anticipate what we have on the agenda will be about right though!

To help you prepare for the meeting, we are also attaching the following:

- An annotated bibliography of barren-ground caribou responses to disturbance (attached)
- A paper by Hall Sawyer (attached). Hall's presentation will be based on this paper but will expand from it discussion will help us understand a major oil and gas development in western Wyoming and provide us insight on what worked and what didn't work well over 17 years of monitoring and management there. The science completed for large mammal communities associated with that development was one of the better case examples with regard to major oil and gas developments in North America, even though the outcome was not a positive one for wildlife.
- "Summary of wildlife-related research on the Coastal Plain of the ANWR, Alaska" provides background information on what is available based on recent research (2002-2017). <https://pubs.usgs.gov/of/2018/1003/ofr20181003.pdf>
- The annual summary report completed for the PCH by the Porcupine Caribou Technical Committee is found here. This document focuses on monitoring metrics used to better understand population trends. <http://pcmb.ca/PDF/ahm/2018%20Annual%20Harvest%20Meeting%20Documents/2017%20PCH%20Annual%20Summary%20Report.pdf>
- There are a host of other documents for the herd available at [www.PCMB.ca](http://www.PCMB.ca) under the Resources/Tools tab if you have a bunch of extra time!

Looking forward to a very informative workshop and seeing everyone on May 16-17<sup>th</sup>! Just a reminder that Canadian participants will be meeting again on May 18<sup>th</sup>; an agenda and meeting information for that day will follow shortly.

Thanks again,

Shannon and Mike

### Shannon Stotyn

Species at Risk Biologist  
Canadian Wildlife Service  
Environment and Climate Change Canada  
91780 Alaska Highway  
Whitehorse, YT, Canada Y1A 5X7  
[shannon.stotyn@ec.gc.ca](mailto:shannon.stotyn@ec.gc.ca)  
Telephone 867-667-3929  
Cellular: 867-333-9891  
Facsimile 867-393-7970  
Government of Canada  
Website [www.ec.gc.ca](http://www.ec.gc.ca)

### Shannon Stotyn

Biologiste d'Espèces en Péril  
Service Canadien de la faune  
Environnement et Changement Climatique Canada  
91780 autoroute Alaska  
Whitehorse, YT, Canada Y1A 5X7  
[shannon.stotyn@ec.gc.ca](mailto:shannon.stotyn@ec.gc.ca)  
Téléphone 867-667-3929

Cellulaire: 867-333-9891  
Télécopieur 867-393-7970  
Gouvernement du Canada  
Site Web [www.ec.gc.ca](http://www.ec.gc.ca)

**From:** [Fox, Joanna](#)  
**To:** [Medeiros, Andrea](#)  
**Cc:** [Wendy Loya](#); [Steve Berendzen](#)  
**Subject:** Re: Opening Statement for 1002 Scoping Meetings  
**Date:** Monday, May 7, 2018 11:32:47 AM  
**Attachments:** [Facebook Logo for Email Signature Block.png](#)  
[Opening Statement for 1002 Scoping Meetings JF edits.docx](#)

---

Hi Andrea,

I think this is a good start. Attached are my comments/edits. I have copied Steve so he can provide his input as well.

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](http://www.facebook.com/arcticnationalwildliferefuge)

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

On Fri, May 4, 2018 at 4:47 PM, Medeiros, Andrea <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)> wrote:

Visitor center and web page statement.

The Bureau of Land Management has been delegated authority to establish and administer the oil and gas program on the Coastal Plain 1002 area within Arctic Refuge and prepare an Environment Impact Statement (EIS). The U.S. Fish and Wildlife Service is cooperating with BLM in the process to develop the EIS.

FAQ

For information on the EIS process and how to participate, please visit [BLM's EIS Web page](#)

Attached is a straw dog opening statement.

---

Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
(907) 786-3695  
Mobile: (907) 227-4788

Connect with us:

**From:** [Berendzen, Steve](#)  
**To:** [Wendy Loya](#)  
**Cc:** [Joanna Fox](#); [Andrea Medeiros](#)  
**Subject:** Re: Link to 1002 FAQs for public inquiries  
**Date:** Monday, May 7, 2018 1:19:45 PM

---

Thanks, Wendy - I just reviewed the revised document and the changes look great! I'm good with it as is.

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

On Mon, May 7, 2018 at 8:50 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi Steve,

We drafted these in anticipation of the NOI release ~3 weeks ago. I drew the questions from the questions that staff submitted (which were detailed and extensive, so I have tried to capture the gist of some main points), so while exploration is sometimes part of the questions, the answers try to focus on how questions will be answered in the future through the EIS analysis. At the same time, with the seismic NEPA for exploration happening concurrently as of last week, it is probably worth explaining that up front. I'll take another go at them by 10am this morning.

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:** Berendzen, Steve <[steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)>  
**Sent:** Monday, May 7, 2018 8:40 AM  
**To:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>

**Cc:** Joanna Fox <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)>; Andrea Medeiros <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)>

**Subject:** Re: Link to 1002 FAQs for public inquiries

Wendy,

Have you looked at this version of the FAQ's? It's still pretty rough, and dated from when the EIS was still focused on exploration. I can take a shot at it, but I'd like you or others to do a review of my edits before it goes to HQ. I'll try to do it online.

Steve Berendzen

Refuge Manager, Arctic National Wildlife Refuge

907-456-0253

On Fri, May 4, 2018 at 2:40 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi Steve and Joanna,

Andrea will send this document up to HQ for consideration on Monday afternoon. Please have a look and add any questions or edits you see fit by Monday noon, and Andrea will send it off in the afternoon before she leaves for NCTC Tues-Fri. I'll also send link to Nicole.

<https://docs.google.com/document/d/118IY7ln1zCCQazFAAqAd0P4D3En-4loHhhhy45wFRPI/edit?usp=sharing>

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:** [Andrea Medeiros](#)  
**Cc:** [Joanna Fox](#); [Steve Berendzen](#)  
**Subject:** 1002 Communications DRAFT documents  
**Date:** Monday, May 7, 2018 2:16:12 PM  
**Attachments:** [FAQs for FWS NOI for EIS DRAFT 050718.docx](#)  
[Opening Statement for 1002 Scoping Meetings JF\\_WL edits.docx](#)

---

Hi Andrea,

Attached are our edited FAQs and Opening statement documents for your consideration and sharing with HQ prior to your departure to NCTC 😊

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:** [Andrea Medeiros](#)  
**Cc:** [Joanna Fox](#); [Steve Berendzen](#)  
**Subject:** RE: 1002 Communications DRAFT documents  
**Date:** Monday, May 7, 2018 2:57:35 PM  
**Attachments:** [image001.png](#)  
[FWS Public Scoping Schedule DRAFT 050718.docx](#)

---

Hi Andrea,

Attached is a very drafty, preliminary schedule and the participants we have discussed attending scoping. Hollis will be included in G2G consultations, which are likely scheduled to happen on the same dates as scoping, so he would also be able to be present at scoping meetings.

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:** Medeiros, Andrea <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)>  
**Sent:** Monday, May 7, 2018 12:35 PM  
**To:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>  
**Cc:** Joanna Fox <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)>; Steve Berendzen <[steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)>  
**Subject:** Re: 1002 Communications DRAFT documents

The only other document I will need is the tentative meeting schedule with the USFWS representative and support staff names. Are you able to get me that today?

---

Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
(907) 786-3695  
Mobile: (907) 227-4788

Connect with us:



On Mon, May 7, 2018 at 12:16 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

| Hi Andrea,

Attached are our edited FAQs and Opening statement documents for your consideration and sharing with HQ prior to your departure to NCTC ☺

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:** [Berendzen, Steve](#)  
**To:** [Wendy Loya](#)  
**Cc:** [Andrea Medeiros](#); [Joanna Fox](#)  
**Subject:** Re: 1002 Communications DRAFT documents  
**Date:** Monday, May 7, 2018 3:58:37 PM  
**Attachments:** [image001.png](#)

---

Wendy and Andrea, late last week Nicole said that Venetie Scoping would probably be June 11 or 12. Since we don't have anything firm, it might be best to just say "undetermined date", but I thought I should pass that along.

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

On Mon, May 7, 2018 at 12:57 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi Andrea,

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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:** Medeiros, Andrea <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)>

**Sent:** Monday, May 7, 2018 12:35 PM

**To:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>

**Cc:** Joanna Fox <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)>; Steve Berendzen <[steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)>

**Subject:** Re: 1002 Communications DRAFT documents

0000008047

The only other document I will need is the tentative meeting schedule with the USFWS representative and support staff names. Are you able to get me that today?

---

Andrea Medeiros

U.S. Fish and Wildlife Service,

Alaska Region, External Affairs **tEAm**

Public Affairs Specialist

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On Mon, May 7, 2018 at 12:16 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

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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@fws.gov](mailto:Wendy_loya@fws.gov)  
**To:** [John Trawicki](#)  
**Subject:** Buying and hiring for 1002

---

Vegetation, NWI/NHD, technician

**From:** [Medeiros, Andrea](#)  
**To:** [Castellanos, Gilbert](#)  
**Cc:** [Wendy Loya](#); [Joanna Fox](#)  
**Subject:** Fwd: Opening Statement for 1002 Scoping Meetings  
**Date:** Monday, May 7, 2018 5:32:07 PM  
**Attachments:** [Facebook Logo for Email Signature Block.png](#)  
[FAQs for FWS NOI for EIS DRAFT 050718.docx](#)  
[Opening Statement for 1002 Scoping Meetings JF\\_WL edits.docx](#)  
[FWS Public Scoping Schedule DRAFT 050718.docx](#)

---

Hi Gilbert,

Thanks for the call. Attached below are the drafts of an opening statement for the upcoming scoping meetings and FAQs. In the body of the email there is a draft statement for Arctic NWRs Home page.

We plan to send these up to HQ for review.

---

Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
(907) 786-3695  
Mobile: (907) 227-4788

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

**From:** **Medeiros, Andrea** <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)>  
**Date:** Mon, May 7, 2018 at 2:21 PM  
**Subject:** Fwd: Opening Statement for 1002 Scoping Meetings  
**To:** Sara Boario <[sara\\_boario@fws.gov](mailto:sara_boario@fws.gov)>  
**Cc:** Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>, Joanna Fox <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)>

Hi Sara,

Attached below documents for HQ review:

- Tentative schedule of public meetings with the proposed representatives for these meetings.
- Draft opening statement
- FAQs

In the body of my email below is a draft statement for Arctic NWR's Home page. This information might also be provided to visitor center managers.

---

Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
(907) 786-3695  
Mobile: (907) 227-4788

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

From: **Medeiros, Andrea** <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)>  
Date: Fri, May 4, 2018 at 4:47 PM  
Subject: Opening Statement for 1002 Scoping Meetings  
To: Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>, Joanna Fox <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)>

Visitor center and web page statement.

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FAQ

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Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
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Mobile: (907) 227-4788

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**From:** [Castellanos, Gilbert](#)  
**To:** [Medeiros, Andrea](#)  
**Cc:** [Wendy Loya](#); [Joanna Fox](#)  
**Subject:** Re: Opening Statement for 1002 Scoping Meetings  
**Date:** Monday, May 7, 2018 5:37:32 PM  
**Attachments:** [Facebook Logo for Email Signature Block.png](#)

---

Thanks Andrea,

I'll follow up with you and Wendy after Joanna's and my call tomorrow with Refugees folks. I won't share any of this material, and will run anything we paraphrase from this by you three before it goes anywhere.

Thanks,

Gilbert-

On Mon, May 7, 2018 at 3:31 PM, Medeiros, Andrea <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)> wrote:

Hi Gilbert,

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Andrea Medeiros  
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Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
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Mobile: (907) 227-4788

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**From:** **Medeiros, Andrea** <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)>  
**Date:** Mon, May 7, 2018 at 2:21 PM  
**Subject:** Fwd: Opening Statement for 1002 Scoping Meetings  
**To:** Sara Boario <[sara\\_boario@fws.gov](mailto:sara_boario@fws.gov)>  
**Cc:** Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>, Joanna Fox <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)>

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- Draft opening statement
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Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
(907) 786-3695  
Mobile: (907) 227-4788

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From: **Medeiros, Andrea** <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)>  
Date: Fri, May 4, 2018 at 4:47 PM  
Subject: Opening Statement for 1002 Scoping Meetings  
To: Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>, Joanna Fox <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)>

Visitor center and web page statement.

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FAQ

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Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
(907) 786-3695

Mobile: (907) 227-4788

Connect with us:



--

Gilbert Castellanos  
International Affairs Specialist

U.S. Fish and Wildlife Service - Alaska Region  
Office of International Conservation  
1011 E. Tudor Road, MS 281  
Anchorage, Alaska 99503

E-mail: [Gilbert\\_Castellanos@fws.gov](mailto:Gilbert_Castellanos@fws.gov)  
Phone: 907-786-3850  
Fax: 907-786-3303

**From:** [Parramore, Laury](#)  
**To:** [Medeiros, Andrea](#)  
**Cc:** [Sara Boario](#); [Wendy Loya](#); [Joanna Fox](#)  
**Subject:** Re: 1002 Area EIS Plan for Participation  
**Date:** Tuesday, May 8, 2018 9:24:29 AM  
**Attachments:** [Facebook Logo for Email Signature Block.png](#)

---

Thanks Andrea. Please share them as soon as you can. I will be out this afternoon and on travel Weds and Thurs but can start the HQ review.

[Laury Marshall Parramore](#)

On Mon, May 7, 2018 at 9:12 PM, Medeiros, Andrea <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)> wrote:  
Hi Laury,

We have pulled together the tentative list of meetings being planned by BLM and identified those from the USFWS who may be attending. We drafted an opening statement for the Service's representative at these meetings, who will likely be Steve Berendzen. We have also drafted an FAQ to post to the Arctic NWR's Home page along with a statement to let people know that BLM is the lead and we are a cooperating agency.

I had spoken to Gavin and he had suggested that we provide these to HQ for review.

I am traveling back to NCTC for the DOI media training, so won't be in the office and may have limited access to email.

---

Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
(907) 786-3695  
Mobile: (907) 227-4788

Connect with us:



**From:** [Castellanos, Gilbert](#)  
**To:** [Mitch Ellis](#); [Doug Damberg](#); [Socheata Lor](#); [Joanna Fox](#); [Steve Berendzen](#); [Stephen Arthur](#)  
**Cc:** [Andrea Medeiros](#); [Wendy Loya](#); [Sara Boario](#); [Cynthia Jacobson](#)  
**Subject:** Please Review - by COB Wednesday 9-May - Background Materials for upcoming Canada mtg on Porcupine caribou  
**Date:** Tuesday, May 8, 2018 12:54:18 PM  
**Attachments:** [existing 1002 related statements general energy and next steps on IPCB draft 7-MAY-2018.docx](#)  
[AK 18-08-Coastal Plain NOI News Release.pdf](#)

---

Hi all,

Per our meeting this morning, attached below is a one-pager containing cleared general language that has been previously included in DOI press releases. Also attached is the Press Release from BLM regarding the EIS process.

Please review the one-pager, and make any edits by **COB tomorrow 9-MAY**. Once this is cleared, Steve Arthur can use this one-pager and the BLM press release as the basis for his presentation at the upcoming meeting in Canada. Assuming we get clearance on the draft FAQs that EA is preparing before Steve departs, that would also be useful for him to have.

Please let me know if you have any questions.

Gil-

--

Gilbert Castellanos  
International Affairs Specialist

U.S. Fish and Wildlife Service - Alaska Region  
Office of International Conservation  
1011 E. Tudor Road, MS 281  
Anchorage, Alaska 99503

E-mail: [Gilbert\\_Castellanos@fws.gov](mailto:Gilbert_Castellanos@fws.gov)  
Phone: 907-786-3850  
Fax: 907-786-3303

**From:** [Medeiros, Andrea](#)  
**To:** [Laury Parramore](#)  
**Cc:** [Sara Boario](#); [Wendy Loya](#); [Joanna Fox](#)  
**Subject:** Re: 1002 Area EIS Plan for Participation  
**Date:** Tuesday, May 8, 2018 2:41:15 PM  
**Attachments:** [Facebook Logo for Email Signature Block.png](#)  
[1002 Communications.docx](#)

---

Here is the attachment.

---

Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
(907) 786-3695  
Mobile: (907) 227-4788

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Andrea Medeiros  
U.S. Fish and Wildlife Service,  
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Mobile: (907) 227-4788

Connect with us:



**From:** [Wendy Loya](#)  
**To:** [Gilbert Castellanos](#); [Mitch Ellis](#); [Doug Damberg](#); [Socheata Lor](#); [Joanna Fox](#); [Steve Berendzen](#); [Stephen Arthur](#)  
**Cc:** [Andrea Medeiros](#); [Sara Boario](#); [Cynthia Jacobson](#)  
**Subject:** RE: Please Review - by COB Wednesday 9-May - Background Materials for upcoming Canada mtg on Porcupine caribou  
**Date:** Tuesday, May 8, 2018 3:16:15 PM  
**Attachments:** [existing\\_1002\\_related\\_statements\\_general\\_energy\\_and\\_next\\_steps\\_on\\_IPCB\\_draft\\_WML\\_7-MAY-2018.docx](#)

---

Minor edits, thanks Gil!

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:** Castellanos, Gilbert <[gilbert\\_castellanos@fws.gov](mailto:gilbert_castellanos@fws.gov)>  
**Sent:** Tuesday, May 8, 2018 10:54 AM  
**To:** Mitch Ellis <[mitch\\_ellis@fws.gov](mailto:mitch_ellis@fws.gov)>; Doug Damberg <[doug\\_damberg@fws.gov](mailto:doug_damberg@fws.gov)>; Socheata Lor <[socheata\\_lor@fws.gov](mailto:socheata_lor@fws.gov)>; Joanna Fox <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)>; Steve Berendzen <[steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)>; Stephen Arthur <[stephen\\_arthur@fws.gov](mailto:stephen_arthur@fws.gov)>  
**Cc:** Andrea Medeiros <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)>; Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>; Sara Boario <[sara\\_boario@fws.gov](mailto:sara_boario@fws.gov)>; Cynthia Jacobson <[cynthia\\_jacobson@fws.gov](mailto:cynthia_jacobson@fws.gov)>  
**Subject:** Please Review - by COB Wednesday 9-May - Background Materials for upcoming Canada mtg on Porcupine caribou

Hi all,

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Please let me know if you have any questions.

Gil-

--

Gilbert Castellanos  
International Affairs Specialist

U.S. Fish and Wildlife Service - Alaska Region

0000008059

Office of International Conservation  
1011 E. Tudor Road, MS 281  
Anchorage, Alaska 99503

E-mail: [Gilbert\\_Castellanos@fws.gov](mailto:Gilbert_Castellanos@fws.gov)  
Phone: 907-786-3850  
Fax: 907-786-3303

**From:** [Wendy Loya](#)  
**To:** [Douglas Campbell](#)  
**Cc:** [Steve Berendzen](#)  
**Subject:** FW: FW: Scoping Map Template  
**Date:** Tuesday, May 8, 2018 3:38:02 PM  
**Attachments:** [CoastalPlain\\_scoping\\_template.pdf](#)

---

Hi Doug,

You may be receiving this directly from Nicole at BLM, but Steve B recommended we make sure that you have a chance to review the attached map as a depiction of the Coastal Plain Leasing Area to be shared at public scoping meetings. If you could copy Steve and I on any response you might share directly with Nicole, that would be great. Want to make sure we keep track of mapping issues as we also work on collating geospatial data.

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:** Berendzen, Steve <[steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)>  
**Sent:** Tuesday, May 8, 2018 1:34 PM  
**To:** Loya, Wendy <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>  
**Cc:** John Trawicki <[john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov)>; Joanna Fox <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)>  
**Subject:** Fwd: FW: Scoping Map Template

Wendy,

I suggest this get reviewed by Doug Campbell in Realty - I think he's been involved in some of the map questions for the 1002/Coastal Plain, and probably knows more about possible concerns we might have.....

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

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

**From:** **Wendy Loya** <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>  
**Date:** Tue, May 8, 2018 at 1:22 PM  
**Subject:** FW: Scoping Map Template  
**To:** John Trawicki <[john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov)>, Steve Berendzen <[steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)>, Joanna Fox <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)>, Susan LaKowski <[susan\\_lakowski@fws.gov](mailto:susan_lakowski@fws.gov)>

Hi Steve, Joanna, John, Susan,

Nicole sent the attached map that they will use during scoping to ID the 1002 area per the Tax Act. She is also sending it to our map folks (see email below). Please have a look and send back any concerns to me and I will collate and send to Nicole or we can discuss with her or among ourselves this week.

Thanks,

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:** Hayes, Miriam (Nicole) <[mnhayes@blm.gov](mailto:mnhayes@blm.gov)>

**Sent:** Tuesday, May 8, 2018 12:44 PM

**To:** Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>

**Subject:** Scoping Map Template

Hi Wendy,

This is a draft map that is being developed for the scoping documents. This will not be an "official" map but I want to make sure FWS does not have any substantive concerns with it before use.

Cathy (our GIS lead) is out today so I am sending it to you to send to your map folks. We expect to have draft scoping materials complete by the end of this week.

Thanks,  
Nicole

**From:** [Trawicki, John](#)  
**To:** [Wendy Loya](#); [Hayes, Miriam \(Nicole\)](#)  
**Subject:** Re: FWS-BLM Weekly Check-in on Coastal Plain 1002  
**Date:** Wednesday, May 9, 2018 10:13:51 AM

---

Hi Nicole-

Followed up with Visitors Service, Subsistence and contracting, they do not have interpreter contracts in place or sources. Working Steve and Joanna is likely your best option.

Was looking at the e-planning site this morning. The Tax Act identifies 2 Maps, Plate 1 and Plate 2, but only plate 1 is available. FYI

john t

On Tue, May 8, 2018 at 8:39 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi 1002 Team,

In Anchorage we will meet with Nicole in Science Applications conference room, and we'll use the regular call in number via BLM.

Agenda today includes finalizing MOU and planning for Scoping Meetings, please add anything else here:

[https://docs.google.com/document/d/1WV13\\_WBiKPJBoyKtdh9GTw5AUXzJXAEZBc73RMTP8p0/edit](https://docs.google.com/document/d/1WV13_WBiKPJBoyKtdh9GTw5AUXzJXAEZBc73RMTP8p0/edit)

Talk to you all at 2pm,  
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)

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

From: [mnhayes@blm.gov](mailto:mnhayes@blm.gov) <[mnhayes@blm.gov](mailto:mnhayes@blm.gov)>

Sent: None

To: [mnhayes@blm.gov](mailto:mnhayes@blm.gov); [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov); [njones@blm.gov](mailto:njones@blm.gov); [joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov); [steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov); [ssweet@blm.gov](mailto:ssweet@blm.gov); [john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov); [tracy\\_fischbach@fws.gov](mailto:tracy_fischbach@fws.gov); [eric\\_taylor@fws.gov](mailto:eric_taylor@fws.gov); [mdraper@blm.gov](mailto:mdraper@blm.gov); [drew\\_crane@fws.gov](mailto:drew_crane@fws.gov); [stephanie\\_brady@fws.gov](mailto:stephanie_brady@fws.gov)

Subject: FWS-BLM Weekly Check-in on Coastal Plain 1002

When: Tuesday, May 8, 2018 2:00 PM-3:00 PM (UTC-09:00) Alaska.

Where: **b5-CIP**, participant passcode # **b5-CIP**, FWS-FW7 Science

0000008063

Application Conference Room/Regional Office

Please send any agenda topics to me by noon each Tuesday. We can have our first weekly check-in next week!

--

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:** [Leonard, Paul](#)  
**To:** [Wendy Loya](#)  
**Subject:** Fwd: SOW for 1002 Vegetation Map  
**Date:** Wednesday, May 9, 2018 12:20:46 PM  
**Attachments:** [1002-LandCoverMapSOW-Draft ACCS revision 8 May2018.docx](#)

---

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

From: **Leonard, Paul** <[paul\\_leonard@fws.gov](mailto:paul_leonard@fws.gov)>  
Date: Tue, May 8, 2018 at 9:44 AM  
Subject: SOW for 1002 Vegetation Map  
To: John Trawicki <[john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov)>

Hi John,

I started down the route of incorporating Scott Guyer's comments into Janet's SOW but Wendy said you might be guiding this effort. I'm attaching the latest version I've been working on - if you haven't started yet, this might save you a bit of time. I was using this in conjunction with Scott's commentary document (emailed to us on April 27 - titled SOW for 1002 map)

Cheers,  
Paul

--

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

--

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

**From:** [Wendy Loya](#)  
**To:** [Francis Mauer](#)  
**Cc:** [Stephen Arthur](#)  
**Subject:** RE: [EXTERNAL] Coastal Plain resource assessment  
**Date:** Wednesday, May 9, 2018 12:22:36 PM  
**Attachments:** [Other Mammals\\_Final.docx](#)  
[Caribou\\_Final.docx](#)

---

Hi Fran,

Attached are the two Resource Assessments that you are listed as an expert contact on, Caribou and Other Mammals. These have been very useful in helping FWS gather the best available science to recommend to BLM and their Contractor for preparing the EIS, and helping FWS determine what science we need to invest in now to support responsible resource development in the Refuge in the future.

More info on the Coastal Plain Leasing EIS process can be found on the BLM website:

<https://www.blm.gov/programs/planning-and-nepa/plans-in-development/alaska/coastal-plain-eis>

I hope you are well and thanks for contributing your expertise to these papers!

Sincerely,  
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)

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

From: Francis Mauer <[b6](#)>  
Sent: Monday, May 7, 2018 7:18 AM  
To: [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)  
Subject: [EXTERNAL] Coastal Plain resource assessment

Hi Wendy,

A while ago I was contacted by several team members regarding an assessment of needs for scientific information relative to the refuge coastal plain. I'm wondering if that assessment has been completed and if so, could you please send me a copy? Thanks -- Its good to learn that you are now with the FWS.

Fran Mauer

**From:** [Wendy Loya](#)  
**To:** [Charla Sterne](#)  
**Subject:** FY2019\_PreProposalTemplate.docx  
**Date:** Wednesday, May 9, 2018 1:39:33 PM  
**Attachments:** [FY2019\\_PreProposalTemplate.docx](#)

---

Hi Charla,

Can you review my introduction and also possibly help with the messed up formatting I caused when I moved the program checkbox down?

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:** [Stephen Miller](#)  
**Subject:** RE: Lynnda Kahn will not be able to make the 1002 call today  
**Date:** Wednesday, May 9, 2018 2:35:59 PM

---

Thank you for the message 😊

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:** Miller, Stephen <[stephen\\_a\\_miller@fws.gov](mailto:stephen_a_miller@fws.gov)>  
**Sent:** Wednesday, May 9, 2018 12:16 PM  
**To:** Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>  
**Subject:** Lynnda Kahn will not be able to make the 1002 call today

Hi Wendy -

Lynnda asked that I contact you to let you know she is out sick today and will not be on the call at 1:00.

Thanks

Steve

Steve Miller  
Deputy Refuge Manager  
Kenai National Wildlife Refuge  
PO Box 2139, Ski Hill Road  
Soldotna, AK 99669  
Phone: 907-260-2805  
Fax: 907-262-3599

**From:** [Johnson, Carl](#)  
**To:** [Wendy Loya](#)  
**Subject:** Re: Please update Coastal Plain FWS experts list  
**Date:** Wednesday, May 9, 2018 5:01:42 PM

---

Wendy,

Yes, I was referring to the public comments on the DEIS.

Thanks.

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, May 9, 2018 at 2:53 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

They don't respond to scoping comments, but will respond to substantive comments on the Draft EIS (that may be what you are asking). From how their roles have been described, I believe that EMPSi will identify substantive issues in comments, then direct those comments to the BLM IDT member(s) or subcontractor(s) with that expertise for response and EIS edits. BLM IDT members are likely to be the nexus between the subcontractors and FWS/other Cooperating agencies

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:** Johnson, Carl <[carl\\_johnson@fws.gov](mailto:carl_johnson@fws.gov)>  
**Sent:** Wednesday, May 9, 2018 2:48 PM  
**To:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>  
**Subject:** Re: Please update Coastal Plain FWS experts list

Wendy,

Quick question - which subcontractor is in charge of responding to public comments? Or will that be EMPSi?

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, May 9, 2018 at 2:37 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi 1002 POCs,

Could you please look at the list of FWS staff that we would recommend be the subject matter experts for the Coastal Plain Leasing EIS? While FWS will not be writing the EIS, a contractor (EMPSi) and subcontractors (ABR, Braund & Assoc, HDR, Dowl) are, we will have the opportunity to review chapters and to be available to provide information or answer questions, and we would like to have a list to refer to.

[https://docs.google.com/spreadsheets/d/1MVmyYrtQlKYrsWpUVEv9vrKkHfHSnCgaoaU8\\_1dXbqI/edit?usp=sharing](https://docs.google.com/spreadsheets/d/1MVmyYrtQlKYrsWpUVEv9vrKkHfHSnCgaoaU8_1dXbqI/edit?usp=sharing)

There is no vetting process for FWS staff in our current role; we should bring forth our best expertise.

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:** [Castellanos, Gilbert](#)  
**To:** [Arthur, Stephen](#)  
**Cc:** [Mitch Ellis](#); [Doug Damberg](#); [Socheata Lor](#); [Joanna Fox](#); [Steve Berendzen](#); [Andrea Medeiros](#); [Wendy Loya](#); [Sara Boario](#); [Cynthia Jacobson](#)  
**Subject:** Re: Please Review - by COB Wednesday 9-May - Background Materials for upcoming Canada mtg on Porcupine caribou  
**Date:** Wednesday, May 9, 2018 5:42:38 PM  
**Attachments:** [existing 1002 related statements general energy and next steps on IPCB final-9-MAY-2018.docx](#)

---

Thank you Wendy for those helpful comments. And thanks Steve for the update on the agenda. Attached below is the final draft with Wendy's edits incorporated for your use at the meeting, as appropriate.

Thanks again everyone.

Gil-

On Tue, May 8, 2018 at 4:10 PM, Arthur, Stephen <[stephen\\_arthur@fws.gov](mailto:stephen_arthur@fws.gov)> wrote:

After further discussion with the workshop organizers, we have decided that I will not make a formal presentation at the Porcupine caribou workshop. My role will be to participate in the workshop discussions regarding potential effects and impacts; developing baseline information and a monitoring plan; and identifying potential mitigation measures.

Let me know if there are any other issues or concerns.

Steve

Stephen M. Arthur, Ph.D.

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

On Tue, May 8, 2018 at 10:54 AM, Castellanos, Gilbert <[gilbert\\_castellanos@fws.gov](mailto:gilbert_castellanos@fws.gov)> wrote:

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Please let me know if you have any questions.

Gil-

--

Gilbert Castellanos  
International Affairs Specialist

U.S. Fish and Wildlife Service - Alaska Region  
Office of International Conservation  
1011 E. Tudor Road, MS 281  
Anchorage, Alaska 99503

E-mail: [Gilbert\\_Castellanos@fws.gov](mailto:Gilbert_Castellanos@fws.gov)  
Phone: 907-786-3850  
Fax: 907-786-3303

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Gilbert Castellanos  
International Affairs Specialist

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E-mail: [Gilbert\\_Castellanos@fws.gov](mailto:Gilbert_Castellanos@fws.gov)  
Phone: 907-786-3850  
Fax: 907-786-3303

**From:** [Trawicki, John](#)  
**To:** [Wendy Loya](#)  
**Subject:** Re: Please update Coastal Plain FWS experts list  
**Date:** Thursday, May 10, 2018 10:14:21 AM

---

I added John Brewer to the Mapping team.

On Wed, May 9, 2018 at 2:37 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi 1002 POCs,

Could you please look at the list of FWS staff that we would recommend be the subject matter experts for the Coastal Plain Leasing EIS? While FWS will not be writing the EIS, a contractor (EMPSi) and subcontractors (ABR, Braund & Assoc, HDR, Dowl) are, we will have the opportunity to review chapters and to be available to provide information or answer questions, and we would like to have a list to refer to.

[https://docs.google.com/spreadsheets/d/1MVmyYrtQIKYrsWpUVEv9vrKkHfHSnCgaoaU8\\_1dXbqI/edit?usp=sharing](https://docs.google.com/spreadsheets/d/1MVmyYrtQIKYrsWpUVEv9vrKkHfHSnCgaoaU8_1dXbqI/edit?usp=sharing)

There is no vetting process for FWS staff in our current role; we should bring forth our best expertise.

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)

--

0000008074

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:** [Wendy Loya](#)  
**To:** [steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov); [joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov); [john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov); [drew\\_crane@fws.gov](mailto:drew_crane@fws.gov); [Carl Johnson](#); [eric\\_taylor@fws.gov](mailto:eric_taylor@fws.gov); [stephanie\\_brady@fws.gov](mailto:stephanie_brady@fws.gov)  
**Subject:** BLM public scoping announcement  
**Date:** Thursday, May 10, 2018 10:41:18 AM  
**Attachments:** [AK 18-16-Coastal Plain Public Meeting Schedule Final.pdf](#)  
[Untitled attachment 02941.htm](#)

---

See attached, official dates released. This is a Resource we can share with public in response to inquiries.

Have a great day,  
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:** "Hayes, Miriam (Nicole)" <[mnhayes@blm.gov](mailto:mnhayes@blm.gov)>  
**Date:** May 10, 2018 at 07:29:05 AKDT  
**To:** Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>  
**Subject:** Fwd: Website is Live

Press release that went out yesterday.  
Nicole

**From:** [Crane, Drew](#)  
**To:** [Wendy Loya](#)  
**Subject:** Re: Resources for Scoping to share with Contractor  
**Date:** Thursday, May 10, 2018 10:48:39 AM

---

gotcha, 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 Thu, May 10, 2018 at 8:38 AM, Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)> wrote:  
I will do that today after feedback from Fairbanks on dates the week of June 18th for internal Alternatives workshop...

More soon!

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 May 10, 2018, at 08:15, Crane, Drew <[drew\\_crane@fws.gov](mailto:drew_crane@fws.gov)> wrote:

Hi Wendy,

Are you going to send out an email the the various IDT team members with save the date info for June and July, or were the programs going to do that?

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, May 9, 2018 at 3:05 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi 1002 POCs,

I have mentioned that we shared the Resource Assessments with Nicole to share with contractors, and here is a copy of that email (below) for your reference. Might be something to refer to as staff come with questions about preparing written scoping comments. I will send out the request for written comments Thursday morning.

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 <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>  
**Sent:** Wednesday, May 2, 2018 12:43 PM  
**To:** Nicole Hayes <[mnhayes@blm.gov](mailto:mnhayes@blm.gov)>  
**Subject:** Resources for Scoping to share with Contractor

Nicole,

Attached is a PDF that includes our combined Rapid-Response Resource Assessments and a select bibliography of work done by past and present FWS staff. The resource assessments touch on issues of importance to FWS staff, primarily in the section titled “What do we need to know and why?” at the beginning of each Resource chapter. This is not intended to be the full set of issues of concern FWS would like to raise during scoping, but is a supplement to information that will be shared in the scoping meeting on 5/3/18 and in subsequent written and verbal communications.

The FWS select bibliography, the Arctic National Wildlife Refuge CCP (<https://www.fws.gov/home/arctic-ccp/>), the bibliography produced by USGS

and the research summary reports produced by USGS (Pearce et al. 2018 and Douglas et al. 2002) provide important background information we would like to be considered in preparing the EIS.

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:** [Margaret Perdue](#)  
**Cc:** [John Trawicki](#)  
**Subject:** 1002 NWI/NHD and Veg entries for DOI Financial Assistance approval  
**Date:** Thursday, May 10, 2018 11:04:06 AM  
**Attachments:** [Arctic entries for NEW DOI FY18 FA Review - FWS FA Reporting Sheet.xlsx](#)

---

Hi Meg,

Sorry it took an hour to get back to you this morning, my computer went into an update restart abyss.

Attached are the two entries I made into the Financial Assistance approval worksheet on 4/18/18. It looks like I missed the April cutoff by a day :/ Although it is impossible to say what will happen, it does look like most entries ultimately get approved. The caveats on my entries include that it may not be enough money for the NWI/NHD especially and I guessed on the Veg mapping one. We can re-enter if John Swords gives us a better estimate. I also put them down for Science Applications funding, so if we do pursue these specific approvals but there is different money to use, we can sort that out perhaps with other projects.

Here is the approval spreadsheet (currently locked):

[https://docs.google.com/spreadsheets/d/1htTu5WE3SamNP7fM\\_7XX6WKFPS4e0CvXWcjdKz6rYA/edit#gid=363415213](https://docs.google.com/spreadsheets/d/1htTu5WE3SamNP7fM_7XX6WKFPS4e0CvXWcjdKz6rYA/edit#gid=363415213)

As for contracting, we can get that paperwork together as an Alternative and see what responses we get for NHD and NWI separately or together?

I am around all day to talk about this as needed ☺

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 <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>  
**Sent:** Tuesday, April 17, 2018 11:23 PM  
**To:** Karen Murphy <[karen\\_a\\_murphy@fws.gov](mailto:karen_a_murphy@fws.gov)>  
**Cc:** John Trawicki <[john\\_trawicki@fws.gov](mailto:john_trawicki@fws.gov)>; Drew Crane <[drew\\_crane@fws.gov](mailto:drew_crane@fws.gov)>  
**Subject:** Two projects to enter into approval google sheet

Hi Karen,

Thank you for helping getting these into the online version once it is re-opened, if that happens before I return. I have made my best guess on who might receive the Financial Award if we went this route, but keeping options open that it could be a competitive contracting process? I put down Science Applications to pay for it, but we are hoping that we can get other funds from NRPC to assist.

Cc'ing John T who was going to follow up on finding a Vegetation Mapping project administrator and Drew who was going to follow up on NHD/NWI with Brian and also with the acting NWI coordinator when he arrives.

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)

000008080

**From:** [Fox, Joanna](#)  
**To:** [Wendy Loya](#)  
**Cc:** [Drew Crane](#); [John Trawick](#); [Stephanie Brady](#); [Steve Berendzen](#); [Carl Johnson](#); [Eric Taylor](#)  
**Subject:** Re: Please update Coastal Plain FWS experts list  
**Date:** Thursday, May 10, 2018 11:09:44 AM

---

Hi Wendy,

I added Hollis Twitchell for Section 810 review. I also added Josh Rose under the Soil Scientist - Soils and Permafrost category, and Greta Burkart under the Soil Scientist - Wetlands category.

I also think it would be worth considering plugging Gilbert Castellanos in as the International Liaison for the International Porcupine Caribou Board, and Angela Matz in Public Health (a lot of her work has focused on contaminants in subsistence species).

Thanks much,  
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](http://www.facebook.com/arcticnationalwildliferefuge)

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

On Wed, May 9, 2018 at 2:37 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi 1002 POCs,

Could you please look at the list of FWS staff that we would recommend be the subject matter experts for the Coastal Plain Leasing EIS? While FWS will not be writing the EIS, a contractor (EMPSi) and subcontractors (ABR, Braund & Assoc, HDR, Dowl) are, we will have the opportunity to review chapters and to be available to provide information or answer questions, and we would like to have a list to refer to.

[https://docs.google.com/spreadsheets/d/1MVmyYrtQlKYrsWpUVEv9vrKkHfHSnCgaoaU8\\_1dXbqI/edit?usp=sharing](https://docs.google.com/spreadsheets/d/1MVmyYrtQlKYrsWpUVEv9vrKkHfHSnCgaoaU8_1dXbqI/edit?usp=sharing)

There is no vetting process for FWS staff in our current role; we should bring forth our best expertise.

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:** [Brady, Stephanie](#)  
**To:** [Wendy Loya](#)  
**Subject:** Re: Please update Coastal Plain FWS experts list  
**Date:** Thursday, May 10, 2018 11:16:39 AM

---

Thanks Wendy for the opportunity to review - I added Tracy Fischbach with Jen Reed for the recreation topic. She will be a good person to review as well.  
Stephanie

[stephanie\\_brady@fws.gov](mailto:stephanie_brady@fws.gov) | Branch Chief, Conservation Planning and Policy |  
U.S. Fish and Wildlife Service | National Wildlife Refuge System | Alaska |  
907.306.7448  
<https://sites.google.com/a/fws.gov/alaska-region-office-of-conservation-planning-policy/home> (DOI employees)

On Wed, May 9, 2018 at 2:37 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi 1002 POCs,

Could you please look at the list of FWS staff that we would recommend be the subject matter experts for the Coastal Plain Leasing EIS? While FWS will not be writing the EIS, a contractor (EMPSi) and subcontractors (ABR, Braund & Assoc, HDR, Dowl) are, we will have the opportunity to review chapters and to be available to provide information or answer questions, and we would like to have a list to refer to.

[https://docs.google.com/spreadsheets/d/1MVmyYrtQlKYrsWpUVEv9vrKkHfHSnCgaoaU8\\_1dXbqI/edit?usp=sharing](https://docs.google.com/spreadsheets/d/1MVmyYrtQlKYrsWpUVEv9vrKkHfHSnCgaoaU8_1dXbqI/edit?usp=sharing)

There is no vetting process for FWS staff in our current role; we should bring forth our best expertise.

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:** [Angela Matz](#)  
**Cc:** [Joanna Fox](#)  
**Subject:** FWS Subject Matter Experts for 1002 Coastal Plain EIS  
**Date:** Thursday, May 10, 2018 11:21:35 AM

---

Hi Angela,

I wanted to touch base with you regarding your role in helping us with the Coastal Plain EIS. Now that BLM has hired a contractor, the role of FWS staff is to be a FWS point of contact for BLM or their consultants preparing the EIS, and FWS would ask you to review any sections in the EIS related to areas you are listed as a subject matter expert. You've already helped us in this way, and so being on the "list" would make it slightly more official and a reminder to those of us coordinating that you have that expertise. We currently have you listed as a Hazardous materials Specialist/oil spill expert, but welcome your expertise in other areas you would like to contribute to such as Air Quality, Public Health (with regards to contaminants in subsistence harvests).

You can see the list here and add your name as you see fit, which we are currently updating for FWS:  
[https://docs.google.com/spreadsheets/d/1MVmyYrtQlKYrsWpUVEv9vrKkHfHSnCgaoaU8\\_1dXbqI/edit#gid=415883463](https://docs.google.com/spreadsheets/d/1MVmyYrtQlKYrsWpUVEv9vrKkHfHSnCgaoaU8_1dXbqI/edit#gid=415883463)

Shortly I will be sending out a request for written scoping comments...

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:** [John Trawicki](#)  
**Subject:** FW: [EXTERNAL] veg mapping for 1002  
**Date:** Thursday, May 10, 2018 11:29:23 AM

---

FYI....

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:** Jeanne Osnas <[jlosnas@alaska.edu](mailto:jlosnas@alaska.edu)>  
**Sent:** Thursday, May 10, 2018 9:27 AM  
**To:** Loya, Wendy <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>  
**Subject:** [EXTERNAL] veg mapping for 1002

Hi Wendy,

We just wanted to follow up with you about the progress on planning for the 1002 veg work. Are you planning on getting ground plot-based vegetation data this summer? Any guidance you can give us regarding planning for a proposal or anticipated field work would be most appreciated.

Thanks,  
Jeanne Osnas

**From:** [Wendy Loya](#)  
**To:** [John Trawicki](#)  
**Subject:** FW: [EXTERNAL] ABR, Inc. statement of interested in working with USFWS in Alaska  
**Date:** Thursday, May 10, 2018 11:29:58 AM

---

Also, FYI....

**From:** Aaron Wells <[awells@abrinc.com](mailto:awells@abrinc.com)>  
**Sent:** Tuesday, April 24, 2018 10:42 AM  
**To:** [Wendy\\_Loya@fws.gov](mailto:Wendy_Loya@fws.gov); Diane Granfors <[diane\\_granfors@fws.gov](mailto:diane_granfors@fws.gov)>;  
[steve\\_wackowski@ios.doi.gov](mailto:steve_wackowski@ios.doi.gov)  
**Subject:** [EXTERNAL] ABR, Inc. statement of interested in working with USFWS in Alaska

Hello Diane, Wendy, and Steve,

My name is Aaron Wells and I am Senior Ecologist and Principal at [ABR, Inc.—  
Environmental Research & Services](#) in Anchorage, AK. I would like to express our interest in working with the U.S. Fish and Wildlife Service (USFWS) in ANWR and across Alaska to provide timely, scientifically rigorous data and mapping products for use in inventorying, managing, and monitoring refuge lands.

ABR was founded as Alaska Biological Research in 1976 in Fairbanks. We specialize in biological and ecological consulting services and are best known for promoting rigorous and objective science within the context of a triple bottom line business philosophy: economic viability, environmental stewardship, and social responsibility.

ABR has completed over 800,000 acres of Integrated Terrain Unit (ITU) mapping on the central Beaufort Coastal Plain on Alaska's North Slope over the past 25 years. The ITU mapping has been used to produce maps of wildlife habitats, soils, wetlands, rare plant habitat suitability, and oil and winter traffic sensitivity. Also, we are currently working on a manuscript describing the ITU mapping methods to be submitted to Arctic, Antarctic, and Alpine research for publication. An example of this work is the report [Ecological Land Survey in the Northeast Planning area of the National Petroleum Reserve Alaska \(NPRA\), 2002](#). We recently completed 110,000 acres of ITU mapping at a 1:10,000 scale in 4 months from field work to final map product. It would be very straight forward for us to extend this mapping into the 1002 area of ANWR.

We have also developed landcover, ecosystem, and soil maps for all of the National Parks in the Arctic Network. This work is described in the [Ecological Land Survey And Synthesis For The Arctic Network Of National Parks](#). As part of a related project we also extended this mapping into [Selawik NWR](#). This project was completed in 3 years from start to finish. Using a similar mapping approach we could extend the Arctic Network National Park mapping into ANWR to provide a seamless mapping product across the Brooks Range. A major advantage of our mapping approach is that, rather than mapping soils and vegetation separately, we provide an integrated vegetation and soils map thus saving time and money. We also use ancillary data whenever possible to reduce time in the field thus reducing costs.

Over the past 15 years, we have mapped ~80% of the National Park lands in Alaska, averaging ~3 million acres of mapping per year. I recently presented on our NPS mapping to the Alaska Geospatial Council (AGC) vegetation working group. Here is a link to my presentation:

<https://prezi.com/view/B78QZ9fe17ILPziycJxD/> (it may take a few minutes to load).

We've also worked across NPRA and produced a map of ecosystems and wildlife habitats for an area the size of the state of Indiana. We accomplished this in 4 years. Additionally we developed a seasonal water-cover analysis and mapping using a time-series of Landsat images. This map can be used to characterize habitat features such as sedge marshes and drained-lake basins, both of which are flooded in the spring and drain through the summer. See our [ABR ONES Executive Summary 2010-2015](#) for an overview of this project.

We are currently working on compiling all of our vegetation and soil data from arctic Alaska into a single, integrated PostgreSQL database to facilitate analysis and data sharing.

Lastly, ABR is involved in several working groups throughout the state and nationally, including the Arctic and Pacific Forests (myself) and Boreal (my co-worker JJ Frost) working groups of the U.S. National Vegetation Classification, the [AGC Vegetation Working group](#) (myself and JJ), and the [NRCS initial soil mapping](#) and digital soil mapping working groups (myself). Additionally, I am volunteering as vegetation ecologist on the 2018 USFWS expedition to St. Matthew Island.

In closing I would like to express again our interest in working with the USFWS in ANWR and across Alaska. We are equally comfortable working independently or collaboratively with an inter-disciplinary, inter-agency team, and/or with universities.

Thank you for your time.

Sincerely,  
Aaron Wells

[Aaron F. Wells Ph.D.](#) | Senior Ecologist/Principal | [ABR Inc. Environmental Research and Services](#)  
1225 E. Intl. Airport Road #101 | Anchorage, AK 99518 | o 907.344.6777 ext. 222 | c 907.888.8625 |



Find us on 

**From:** [Jeanne Osnas](#)  
**To:** [Wendy Loya](#); [M. Anjanette Steer](#); [Matthew Carlson](#)  
**Cc:** [John Trawicki](#)  
**Subject:** Re: [EXTERNAL] veg mapping for 1002  
**Date:** Thursday, May 10, 2018 1:19:16 PM

---

Thanks, Wendy and John. We hope that the scope of work we commented on was useful to you and look forward to being part of the process moving forward.

Cheers,  
Jeanne Osnas

On Thu, May 10, 2018 at 10:30 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi Jeanne,

We are trying to figure out the path forward on this, as getting agreements/contracts in place is harder than it seems it should be. I don't think that anything will happen in time for a field season this summer, but I am hoping as soon as I write it, that things will start to move! I expect either John Trawicki or I will be in touch with you in the next few days to seek and convey more info.

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:** Jeanne Osnas <[jlosnas@alaska.edu](mailto:jlosnas@alaska.edu)>  
**Sent:** Thursday, May 10, 2018 9:27 AM  
**To:** Loya, Wendy <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>  
**Subject:** [EXTERNAL] veg mapping for 1002

Hi Wendy,

We just wanted to follow up with you about the progress on planning for the 1002 veg work. Are you planning on getting ground plot-based vegetation data this summer? Any guidance you can give us regarding planning for a proposal or anticipated field work would be most appreciated.

Thanks,

Jeanne Osnas

**From:** [scottle@blm.gov](mailto:scottle@blm.gov) on behalf of [CoastalPlain EIS, BLM AK](#)  
**To:** [BLM AK CoastalPlain EIS](#)  
**Bcc:** [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)  
**Subject:** Notice for Scoping Meetings - Coastal Plain Oil and Gas Leasing Program Environmental Impact Statement  
**Date:** Thursday, May 10, 2018 3:19:34 PM

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## Notice for Public Scoping Meetings

*Please forward this to anyone you think may be interested!*

The Bureau of Land Management (BLM) invites you to attend a public scoping meeting to identify issues for the **Coastal Plain Oil and Gas Leasing Program Environmental Impact Statement (EIS)**. At the meetings, the BLM seeks to identify relevant comments, concerns and/or issues that will influence the scope of the EIS and guide its development, including the formation of alternatives to the proposed action within the parameters outlined in the 2017 Tax Cuts and Jobs Act (Tax Act).

The complete meeting schedule is available at the project website at [www.blm.gov/alaska/coastal-plain-eis](http://www.blm.gov/alaska/coastal-plain-eis). Those unable to attend a meeting are encouraged to participate via the project website, which includes a project map, a place to submit comments, and frequently asked questions. Comments and input may also be submitted by email to [blm\\_ak\\_coastalplain\\_eis@blm.gov](mailto:blm_ak_coastalplain_eis@blm.gov) through **June 19, 2018**. For more information or special needs requests, please contact Nicole Hayes at (907) 271-4354, email [blm\\_ak\\_coastalplain\\_eis@blm.gov](mailto:blm_ak_coastalplain_eis@blm.gov), or visit the project website listed above.

**Kaktovik: Tuesday May 22**

6:30 pm, Community Hall

**Arctic Village: Thursday, May 24**

10:00 am, Community Hall

**Fairbanks: Tuesday May 29**

Carlson Center, 2010 2<sup>nd</sup> Ave.

3:00-4:30pm open house, followed a presentation and comment period until 9:00pm.

**Anchorage: Wednesday May 30**

Dena'ina Center, 600 W. 7<sup>th</sup> Ave.

3:00-4:30pm open house, followed by a presentation and comment period until 9:00pm.

**Utqiagvik: Thursday, May 31**

5:00 pm, Iñupiat Heritage Center

**Venetic: Tuesday, June 12**  
10:00 am, Community Hall

**Washington, DC: Friday, June 15**  
National Housing Center, 1201 15<sup>th</sup> St., NW  
3:00-4:30pm open house, followed by a presentation and comment period until 9:00pm.

Meeting dates, times, and locations are subject to change. Please check the project website for updates.

**From:** [Castellanos, Gilbert](#)  
**To:** [Wendy Loya](#)  
**Cc:** [Joanna Fox](#)  
**Subject:** Re: FWS Subject Matter Experts for 1002 Coastal Plain EIS  
**Date:** Thursday, May 10, 2018 5:26:48 PM

---

Hi Wendy,

Thanks for the message. I'll run this by my supervisor and let you know right away.

Cheers,

Gilbert-

On Thu, May 10, 2018 at 9:15 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi Gilbert,

Would you be willing to be on our "list" as a FWS subject matter expert with regards to International Agreements and Treaties, representing the Porcupine Caribou Agreement? Being on the list would make you a FWS point of contact for BLM or their consultants preparing the EIS, and FWS would ask you to review any sections in the EIS related to PCH international issues. You've already helped us in this way, and so being on the "list" would make it slightly more official and a reminder to those of us coordinating that you have that expertise.

You can see the list here, which we are currently updating for FWS:

[https://docs.google.com/spreadsheets/d/1MVmyYrtQlKYrsWpUVEv9vrKkHfHSnCgaoaU8\\_1dXbqI/edit#gid=415883463](https://docs.google.com/spreadsheets/d/1MVmyYrtQlKYrsWpUVEv9vrKkHfHSnCgaoaU8_1dXbqI/edit#gid=415883463)

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)

0000008093

907.277.2942 (mobile)

--

Gilbert Castellanos  
International Affairs Specialist

U.S. Fish and Wildlife Service - Alaska Region  
Office of International Conservation  
1011 E. Tudor Road, MS 281  
Anchorage, Alaska 99503

E-mail: [Gilbert\\_Castellanos@fws.gov](mailto:Gilbert_Castellanos@fws.gov)  
Phone: 907-786-3850  
Fax: 907-786-3303

**From:** [Hayes, Miriam \(Nicole\)](#)  
**To:** [Wendy Loya](#)  
**Subject:** Re: FW: Photos of Arctic coastal plain?  
**Date:** Thursday, May 10, 2018 5:54:50 PM

---

I'll check with her. She was out today but will be in tomorrow! Thank you!  
Nicole

**Nicole Hayes**  
Project Coordinator  
Bureau of Land Management  
222 W. 7th Avenue #13  
Anchorage, Alaska 99513  
Desk: (907) 271-4354

On Thu, May 10, 2018 at 3:02 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

See below, Leslie E-W may have photos from us already?

**From:** Fox, Joanna <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)>  
**Sent:** Thursday, May 10, 2018 2:44 PM  
**To:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>  
**Cc:** Andrea Medeiros <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)>; stephanie\_brady <[stephanie\\_brady@fws.gov](mailto:stephanie_brady@fws.gov)>  
**Subject:** Re: Photos of Arctic coastal plain?

Hi Wendy - Andrea Medeiros recently collected a bunch of photos from us at the request of Leslie Ellis-Wouters, who I believe is BLM's Communications Director in the State Office. Her intention was to put them in a Flickr folder so we could make them easily available to anyone requesting them. I'm not sure if she ever got that done, but if she did it would be the most efficient way for us to get photos to Nicole.

Unfortunately, I do not have the collection myself, as they were submitted to Andrea individually via a google form. I'm copying Andrea in the event she can steer us in the right direction. If she can't, please let me know and we'll see what we can do. It will likely have to wait until next Monday though, as the majority of our staff are either out of the office (staffing Outdoor Days event), or madly working to meet EIS and EA deadlines.

Joanna L. Fox

Deputy Refuge Manager

Arctic National Wildlife Refuge

[101 12th Avenue, Room 236](#)

[Fairbanks, AK 99701](#)

[\(907\) 456-0549](#)

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[www.facebook.com/arcticonationalwildliferefuge](http://www.facebook.com/arcticonationalwildliferefuge)

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

On Thu, May 10, 2018 at 1:54 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi Joanna,

Nicole (cc'ed here) and her colleagues at BLM are looking for photos of the *magnificent* coastal plain for use in upcoming scoping materials. Do you or any of your staff have a photo library that they could draw from? Stephanie likely has some in the CCP files, but we thought the Refuge likely might have a nice diversity to capture the key elements of the area (landscape, caribou, polar bears, subsistence, recreation, etc.).

Thanks,

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:** [Castellanos, Gilbert](#)  
**To:** [Wendy Loya](#)  
**Cc:** [Joanna Fox](#)  
**Subject:** Re: FWS Subject Matter Experts for 1002 Coastal Plain EIS  
**Date:** Thursday, May 10, 2018 6:43:42 PM

---

Hi Wendy,

Yes, please go ahead and put me down.

Thanks,

Gilbert-

On Thu, May 10, 2018 at 9:15 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi Gilbert,

Would you be willing to be on our “list” as a FWS subject matter expert with regards to International Agreements and Treaties, representing the Porcupine Caribou Agreement? Being on the list would make you a FWS point of contact for BLM or their consultants preparing the EIS, and FWS would ask you to review any sections in the EIS related to PCH international issues. You’ve already helped us in this way, and so being on the “list” would make it slightly more official and a reminder to those of us coordinating that you have that expertise.

You can see the list here, which we are currently updating for FWS:

[https://docs.google.com/spreadsheets/d/1MVmyYrtQlKYrsWpUVEv9vrKkHfHSnCgaoaU8\\_1dXbqI/edit#gid=415883463](https://docs.google.com/spreadsheets/d/1MVmyYrtQlKYrsWpUVEv9vrKkHfHSnCgaoaU8_1dXbqI/edit#gid=415883463)

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)

0000008098

907.277.2942 (mobile)

--

Gilbert Castellanos  
International Affairs Specialist

U.S. Fish and Wildlife Service - Alaska Region  
Office of International Conservation  
1011 E. Tudor Road, MS 281  
Anchorage, Alaska 99503

E-mail: [Gilbert\\_Castellanos@fws.gov](mailto:Gilbert_Castellanos@fws.gov)  
Phone: 907-786-3850  
Fax: 907-786-3303

**From:** [Hayes, Miriam \(Nicole\)](#)  
**To:** [Wendy Loya](#)  
**Subject:** Re: Photos of Arctic coastal plain?  
**Date:** Friday, May 11, 2018 10:39:16 AM

---

I couldn't so I requested access. Could you also give Lesli Ellis-Wouters access? Thank you, Wendy!

**Nicole Hayes**

Project Coordinator  
Bureau of Land Management  
222 W. 7th Avenue #13  
Anchorage, Alaska 99513  
Desk: (907) 271-4354

On Fri, May 11, 2018 at 8:37 AM, Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)> wrote:

Let me know if you can't access those shared folders for pics and captions...

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 May 11, 2018, at 08:08, Hayes, Miriam (Nicole) <[mnhayes@blm.gov](mailto:mnhayes@blm.gov)> wrote:

No, we haven't gotten any photos. Should we try and coordinate with Andrea directly?

**Nicole Hayes**

Project Coordinator  
Bureau of Land Management  
[222 W. 7th Avenue #13](#)  
[Anchorage, Alaska 99513](#)  
Desk: (907) 271-4354

On Thu, May 10, 2018 at 3:02 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

See below, Leslie E-W may have photos from us already?

**From:** Fox, Joanna <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)>  
**Sent:** Thursday, May 10, 2018 2:44 PM  
**To:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>

**Cc:** Andrea Medeiros <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)>; stephanie\_brady <[stephanie\\_brady@fws.gov](mailto:stephanie_brady@fws.gov)>

**Subject:** Re: Photos of Arctic coastal plain?

Hi Wendy - Andrea Medeiros recently collected a bunch of photos from us at the request of Leslie Ellis-Wouters, who I believe is BLM's Communications Director in the State Office. Her intention was to put them in a Flickr folder so we could make them easily available to anyone requesting them. I'm not sure if she ever got that done, but if she did it would be the most efficient way for us to get photos to Nicole.

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---

Joanna L. Fox

Deputy Refuge Manager

Arctic National Wildlife Refuge

[101 12th Avenue, Room 236](#)

[Fairbanks, AK 99701](#)

[\(907\) 456-0549](#)

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[www.facebook.com/arcticonationalwildliferefuge](http://www.facebook.com/arcticonationalwildliferefuge)

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

On Thu, May 10, 2018 at 1:54 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>

wrote:

Hi Joanna,

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Thanks,

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:** [Aaron Wells](#)  
**To:** [Wendy Loya](#)  
**Subject:** Re: [EXTERNAL] ABR, Inc. statement of interested in working with USFWS in Alaska  
**Date:** Friday, May 11, 2018 12:31:31 PM

---

Hi Wendy, I just returned your call and left a voicemail. I'm in the office today through 5:00 pm. My only commitment is a call from 11:00 to noon, otherwise I'm available.

[Aaron F. Wells Ph.D.](#) | Senior Ecologist/Principal | [ABR Inc. Environmental Research and Services](#)  
1225 E. Intl. Airport Road #101 | Anchorage, AK 99518 | o 907.344.6777 ext. 222 | c 907.888.8625 |



On Fri, May 11, 2018 at 9:18 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi Aaron,

Left you a voice message, feel free to give me a call at your convenience.

786-3532

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:** Aaron Wells <[awells@abrinc.com](mailto:awells@abrinc.com)>

**Sent:** Tuesday, April 24, 2018 10:42 AM

**To:** [Wendy\\_Loya@fws.gov](mailto:Wendy_Loya@fws.gov); Diane Granfors <[diane\\_granfors@fws.gov](mailto:diane_granfors@fws.gov)>;  
[steve\\_wackowski@ios.doi.gov](mailto:steve_wackowski@ios.doi.gov)

**Subject:** [EXTERNAL] ABR, Inc. statement of interested in working with USFWS in Alaska

Hello Diane, Wendy, and Steve,

My name is Aaron Wells and I am Senior Ecologist and Principal at [ABR, Inc.—  
Environmental Research & Services](#) in Anchorage, AK. I would like to express our interest in working with the U.S. Fish and Wildlife Service (USFWS) in ANWR and across Alaska to provide timely, scientifically rigorous data and mapping products for use in inventorying, managing, and monitoring refuge lands.

ABR was founded as Alaska Biological Research in 1976 in Fairbanks. We specialize in biological and ecological consulting services and are best known for promoting rigorous and objective science within the context of a triple bottom line business philosophy: economic viability, environmental stewardship, and social responsibility.

ABR has completed over 800,000 acres of Integrated Terrain Unit (ITU) mapping on the central Beaufort Coastal Plain on Alaska's North Slope over the past 25 years. The ITU mapping has been used to produce maps of wildlife habitats, soils, wetlands, rare plant habitat suitability, and oil and winter traffic sensitivity. Also, we are currently working on a manuscript describing the ITU mapping methods to be submitted to Arctic, Antarctic, and Alpine research for publication. An example of this work is the report [Ecological Land Survey in the Northeast Planning area of the National Petroleum Reserve Alaska \(NPRA\), 2002](#). We recently completed 110,000 acres of ITU mapping at a 1:10,000 scale in 4 months from field work to final map product. It would be very straight forward for us to extend this mapping into the 1002 area of ANWR.

We have also developed landcover, ecosystem, and soil maps for all of the National Parks in the Arctic Network. This work is described in the [Ecological Land Survey And Synthesis For The Arctic Network Of National Parks](#). As part of a related project we also extended this mapping into [Selawik NWR](#). This project was completed in 3 years from start to finish. Using a similar mapping approach we could extend the Arctic Network National Park mapping into ANWR to provide a seamless mapping product across the Brooks Range. A major advantage of our mapping approach is that, rather than mapping soils and vegetation separately, we provide an integrated vegetation and soils map thus saving time and money. We also use ancillary data whenever possible to reduce time in the field thus reducing costs.

Over the past 15 years, we have mapped ~80% of the National Park lands in Alaska, averaging ~3 million acres of mapping per year. I recently presented on our NPS mapping to the Alaska Geospatial Council (AGC) vegetation working group. Here is a link to my presentation: <https://prezi.com/view/B78QZ9fe17ILPziycJxD/> (it may take a few minutes to load).

We've also worked across NPRA and produced a map of ecosystems and wildlife habitats

for an area the size of the state of Indiana. We accomplished this in 4 years. Additionally we developed a seasonal water-cover analysis and mapping using a time-series of Landsat images. This map can be used to characterize habitat features such as sedge marshes and drained-lake basins, both of which are flooded in the spring and drain through the summer. See our [ABR ONES Executive Summary 2010-2015](#) for an overview of this project.

We are currently working on compiling all of our vegetation and soil data from arctic Alaska into a single, integrated PostgreSQL database to facilitate analysis and data sharing.

Lastly, ABR is involved in several working groups throughout the state and nationally, including the Arctic and Pacific Forests (myself) and Boreal (my co-worker JJ Frost) working groups of the U.S. National Vegetation Classification, the [AGC Vegetation Working group](#) (myself and JJ), and the [NRCS initial soil mapping](#) and digital soil mapping working groups (myself). Additionally, I am volunteering as vegetation ecologist on the 2018 USFWS expedition to St. Matthew Island.

In closing I would like to express again our interest in working with the USFWS in ANWR and across Alaska. We are equally comfortable working independently or collaboratively with an inter-disciplinary, inter-agency team, and/or with universities.

Thank you for your time.

Sincerely,

Aaron Wells

[Aaron F. Wells Ph.D.](#) | Senior Ecologist/Principal | [ABR Inc. Environmental Research and Services](#)  
[1225 E. Intl. Airport Road #101 | Anchorage, AK 99518](#) | o 907.344.6777 ext. 222 | c 907.888.8625 |

\_\_\_\_\_

**From:** [Google Calendar](#) on behalf of [Miriam \(Nicole\) Hayes](#)  
**To:** [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)  
**Subject:** Coastal Plain 1002 USGS-FWS-BLM Weekly Check-In  
**Start:** Friday, February 9, 2018 1:00:00 PM  
**End:** Friday, February 9, 2018 1:30:00 PM  
**Location:** **b5-CIP** ; Participant Passcode **b5-**  
**Attachments:** [invite.ics](#)

---

This event has been canceled and removed from your calendar.

Coastal Plain 1002 USGS-FWS-BLM Weekly Check-In

When

Weekly from 11am to 11:30am on Friday Alaska Time

Where

**b5-CIP** Passcode **b5-** (map <[https://maps.google.com/maps?q=\*\*b5-CIP\*\*](https://maps.google.com/maps?q=<b>b5-CIP</b>) Participant+Passcode=**b5-CIP** )

Video call

**b5-CIP**

Calendar

[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)

Who

- [mnhayes@blm.gov](mailto:mnhayes@blm.gov)
- organizer
- [jpearce@usgs.gov](mailto:jpearce@usgs.gov)
- [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)

Invitation from Google Calendar <<https://www.google.com/calendar/>>

You are receiving this email at the account [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov) because you are subscribed for cancellations on calendar [wendy\\_loya@fws.gov](mailto: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](#)  
<<https://support.google.com/calendar/answer/37135#forwarding>> .

**From:** [Karen Mouritsen](#)  
**To:** [Siekaniiec, Greg](#)  
**Cc:** [Miriam \(Nicole\) Hayes](#); [Wendy Loya](#); [Karen Clark](#)  
**Subject:** Re: EIS Scoping  
**Date:** Friday, May 11, 2018 7:47:01 PM

---

Thanks Greg. We will add Steve B to the list. I agree he should be there.  
Good luck with your travels and we will be in touch

Sent from my iPad

On May 11, 2018, at 6:06 PM, Siekaniiec, Greg <[greg\\_siekaniiec@fws.gov](mailto:greg_siekaniiec@fws.gov)> wrote:

Karen and Nicole,

Thank you for all the coordination around the coming scoping and consultations. The effort will prove to be a challenge given the remote locations and interested constituents and this is a good initiation.

I understand that there may be space for one FWS representative on a flight chartered for the public scoping and government to government consultations regarding the Coastal Plain EIS. It is my recommendation that the Manager of the Arctic Refuge, Mr. Steve Berendzen, be assigned that seat. Steve will best be able to represent the FWS in answering questions related to the fish, wildlife and lands of the Coastal Plain and the other purposes of the Refuge, as well as respond to questions about other activities permitted by FWS in the Refuge. Mr. Hollis Twitchell, Assistant Refuge Manager, will try to fly to both meetings independently, but if he is unable to fly due to weather or other constraints, he will take a commercial flight to Arctic Village and be available for government to government consultation there.

Also, Karen Clark will plan to attend the Arctic Village meetings if schedules and flights work out in her favor given weather considerations and commercial flight routing. I'm sure there will be coordination discussions next week as travel plans are firmed up.

I apologize for not being available but will be for future meetings beyond the initial Kaktovik and Arctic Village. I can be reached via cell when I'm out for personal matters.

Regards,

Greg

b6

**From:** [Medeiros, Andrea](#)  
**To:** [Laury Parramore](#)  
**Cc:** [Sara Boario](#); [Wendy Loya](#); [Joanna Fox](#)  
**Subject:** Re: 1002 Area EIS Plan for Participation  
**Date:** Monday, May 14, 2018 11:59:28 AM  
**Attachments:** [Facebook Logo for Email Signature Block.png](#)

---

Hi Laury,

What is the status of the review?

---

Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
(907) 786-3695  
Mobile: (907) 227-4788

Connect with us:



On Tue, May 8, 2018 at 12:40 PM, Medeiros, Andrea <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)> wrote:  
Here is the attachment.

---

Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
(907) 786-3695  
Mobile: (907) 227-4788

Connect with us:



On Mon, May 7, 2018 at 5:12 PM, Medeiros, Andrea <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)> wrote:  
Hi Laury,

We have pulled together the tentative list of meetings being planned by BLM and identified those from the USFWS who may be attending. We drafted an opening statement for the Service's representative at these meetings, who will likely be Steve Berendzen. We have also drafted an FAQ to post to the Arctic NWR's Home page along with a statement to let people know that BLM is the lead and we are a cooperating agency.

I had spoken to Gavin and he had suggested that we provide these to HQ for review.

I am traveling back to NCTC for the DOI media training, so won't be in the office and may have limited access to email.

---

Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
(907) 786-3695  
Mobile: (907) 227-4788

Connect with us:



**From:** [Wendy Loya](#)  
**To:** [Bud Cribley](#)  
**Subject:** RE: Copy of DRAFT BLM-FWS MOU 5.15.18.docx - Invitation to edit  
**Date:** Tuesday, May 15, 2018 2:18:19 PM  
**Attachments:** [Tax Act 2017 TitleII Sec20001 OilandGas ANWR.pdf](#)

---

Tax Act for 1002 is attached ☺

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:** Cribley, Bud <[bud\\_cribley@fws.gov](mailto:bud_cribley@fws.gov)>  
**Sent:** Tuesday, May 15, 2018 12:16 PM  
**To:** Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>  
**Subject:** Re: Copy of DRAFT BLM-FWS MOU 5.15.18.docx - Invitation to edit

Wendy,

Do you have a copy of the final legislative language from the tax act?

Bud

On Tue, May 15, 2018 at 4:12 PM, Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)> wrote:

Likely to be signed next week when R7 Greg is back

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 May 15, 2018, at 12:11, Cribley, Bud <[bud\\_cribley@fws.gov](mailto:bud_cribley@fws.gov)> wrote:

Wendy,

What is the due date on this?

Bud

On Tue, May 15, 2018 at 3:31 PM, Wendy Loya (via Google Docs) <[drive-shares-noreply@google.com](mailto:drive-shares-noreply@google.com)> wrote:

[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov) has invited you to **edit** the following document:

[redacted]  
[Copy of DRAFT BLM-FWS MOU 5.15.18.docx](#)

[redacted] Hi Bud, here is the draft MOU that is close to finished, so you can see the FWS role in the EIS. If you see anything that could be better for either FWS or BLM, let me know :) thanks!

[Open in Docs](#)

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[USA](#)

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--

**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](mailto:bud_cribley@fws.gov)

--

**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](mailto:bud_cribley@fws.gov)

**From:** [Hayes, Miriam \(Nicole\)](#)  
**To:** [Steve Berendzen](#)  
**Cc:** [Wendy Loya](#)  
**Subject:** DRAFT Itinerary  
**Date:** Tuesday, May 15, 2018 3:44:46 PM  
**Attachments:** [Week 1 May 21-25 Kaktovik Arctic Village.pdf](#)

---

Steve,

Attached is the draft itinerary for next week. We're still pulling together some details from the Dispatch and both Kaktovik and Arctic Village. We can discuss today.

Nicole

**Nicole Hayes**

Project Coordinator

Bureau of Land Management

222 W. 7th Avenue #13

Anchorage, Alaska 99513

Desk: (907) 271-4354

**From:** [Andrea Medeiros \(via Google Docs\)](#)  
**To:** [wendy\\_lova@fws.gov](mailto:wendy_lova@fws.gov)  
**Cc:** [joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)  
**Subject:** 1002 Communications-EA-NRWS - Invitation to edit  
**Date:** Wednesday, May 16, 2018 12:40:44 PM

---

[andrea\\_medeiros@fws.gov](#) has invited you to **edit** the following document:

 [1002 Communications-EA-NRWS](#)

---



Hi Wendy and Joanna,

Please take a look at this and respond to comments.

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Google LLC, 1600 Amphitheatre Parkway, Mountain View, CA 94043, USA

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**Google**<sup>™</sup>

**From:** [Brady, Stephanie](#)  
**To:** [Wendy Loya](#); [John Trawicki](#); [Tracy Fischbach](#)  
**Subject:** Re: DRAFT BLM-FWS MOU 5.15.18.docx  
**Date:** Wednesday, May 16, 2018 5:34:49 PM

---

I have reviewed this new draft of the MOU and it looks like Nicole accepted all of our edits and she added in that we will review the ROD. Let me know if anyone else has edits otherwise - I think we can start this through surname. Stephanie

[stephanie\\_brady@fws.gov](mailto:stephanie_brady@fws.gov) | Branch Chief, Conservation Planning and Policy | U.S. Fish and Wildlife Service | National Wildlife Refuge System | Alaska | 907.306.7448  
<https://sites.google.com/a/fws.gov/alaska-region-office-of-conservation-planning-policy/home> (DOI employees)

On Tue, May 15, 2018 at 11:24 AM, Miriam (Nicole) Hayes (via Google Drive) <[drive-shares-noreply@google.com](mailto:drive-shares-noreply@google.com)> wrote:

[mnhayes@blm.gov](mailto:mnhayes@blm.gov) has shared the following document:

 [DRAFT BLM-FWS MOU 5.15.18.docx](#)



I realized I didn't make my changes in "track changes" but please pay attention to C.1.e, f, and g. I did not include a specific time period because I thought this would retain flexibility to have a 2 day work session or share with FWS for 5 days or both.

[Open](#)

Google Drive: Have all your files within reach from any device.

Google LLC, [1600 Amphitheatre Parkway, Mountain View, CA 94043, USA](#)



**From:** [Berendzen, Steve](#)  
**To:** [Loya, Wendy](#); [Stephanie Brady](#)  
**Cc:** [Joanna Fox](#)  
**Subject:** Fwd: Updated Draft Seismic Project Initiation Letter  
**Date:** Wednesday, May 16, 2018 8:08:04 PM  
**Attachments:** [PIL\\_Seismic EA May 10 2018.docx](#)  
[PIL\\_Seismic EA May 15 2018.docx](#)

---

Wendy and Stephanie,

The attachment dated May 15th is most recent version. It has the Project Initiation letter with IDT team members and draft time line with it. The draft time line is going to be revised and pushed back somewhat.

If either of you notice any red flags, please let us know.

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

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

**From:** **LaMarr, Sarah** <[slamarr@blm.gov](mailto:slamarr@blm.gov)>  
**Date:** Wed, May 16, 2018 at 8:27 AM  
**Subject:** Fwd: Updated Draft Seismic Project Initiation Letter  
**To:** Steve Berendzen <[steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)>, Joanna Fox <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)>  
**Cc:** Sarah L LaMarr <[slamarr@blm.gov](mailto:slamarr@blm.gov)>, Nichelle Jones <[njones@blm.gov](mailto:njones@blm.gov)>

Hi Steve and Joanna -

The draft schedule in at the bottom of the proposed project initiation letter. Attached is the updated PIL (corrected at least 2 typos!). Please let me know if you see any more errors!  
Thanks, s.

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

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

**From:** **LaMarr, Sarah** <[slamarr@blm.gov](mailto:slamarr@blm.gov)>  
**Date:** Fri, May 11, 2018 at 4:37 PM  
**Subject:** Updated Draft Seismic Project Initiation Letter  
**To:** Steve Berendzen <[steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)>  
**Cc:** Nichelle Jones <[njones@blm.gov](mailto:njones@blm.gov)>

Hi Steve,

It was nice meeting you Tuesday and I look forward to working with you on the seismic exploration project.

Attached is an updated Project Initiation Letter with the changes we discussed to the IDT. In addition, we added a timeline for the project.

Please review and let us know if you have any edits or comments. Thanks! sarah

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

**From:** [Wendy Loya](#)  
**To:** [Howard, Amee](#)  
**Cc:** [Sara Boario](#); [Socheata Lor](#)  
**Subject:** Re: Information Requested - ANWR 1002 Area Development  
**Date:** Thursday, May 17, 2018 11:28:48 AM

---

I can get you materials by 1pm.

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 May 17, 2018, at 08:57, Howard, Amee <[amee\\_howard@fws.gov](mailto:amee_howard@fws.gov)> wrote:

Hi Wendy,

I stopped in and touched base with Soch. She would like me to send a summary of the recent goings on, our perspective, and the EIS timeline. We don't need anything too in depth, it sounds like the Senator's office through HQ-Budget is looking for a brief update.

I would like to send:

Brief summary  
EIS timeline  
BLM Scoping meeting schedule (I have this)

I will need to get it back to them by COB today. Can you have something to me by noon or early afternoon? Then I can clear it through Karen and Refuges before sending.

Quick note - I am in the building....running between Attu stuff and Subsistence stuff. I will have my phone and be checking emails. Thanks!!!

Let me know if you have any questions.

Thanks so much!

Amee

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

From: **Lor, Socheata** <[socheata\\_lor@fws.gov](mailto:socheata_lor@fws.gov)>  
Date: Thu, May 17, 2018 at 7:55 AM  
Subject: Re: Information Requested - ANWR 1002 Area Development  
To: "Peters, Kristen" <[kristen\\_peters@fws.gov](mailto:kristen_peters@fws.gov)>  
Cc: Mitch Ellis <[mitch\\_ellis@fws.gov](mailto:mitch_ellis@fws.gov)>, "Katherine (Ketti) Spomer" <[katherine\\_spomer@fws.gov](mailto:katherine_spomer@fws.gov)>, Amee Howard <[amee\\_howard@fws.gov](mailto:amee_howard@fws.gov)>

Hi Kristen,

In thinking more about these requests, should they go to Amee Howard who is our Congressional Affairs liaison? Amee could coordinate responses from all our programs who are involved in coastal plain work in Alaska. We have a regional arctic specialist who is the main point of contact, and also each program has a point of contact.

Amee, please advise how best to respond to these requests. We have received one or two in recent past from Kristen.

Soch

~~~~~  
*Socbeata 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 Thu, May 17, 2018 at 4:24 AM, Peters, Kristen <[kristen\\_peters@fws.gov](mailto:kristen_peters@fws.gov)> wrote:

Hi Mitch and Soch,

The Division of Budget has reached out for our help to respond for a short turnaround request for an update on ANWR from a Senate staffer. Could you provide Ketti and me with a brief update, including any milestones or a tentative schedule, that we can pass along to the staffer? The Division of Budget would like to respond to this inquiry fairly quickly and have requested an update by COB today. Do you think you could send a brief update by **COB (your time) today?**

Also, I wanted to let you know that the topic of oil and gas development in ANWR was discussed at the Secretary's hearing last week not the FY19 budget. The question and the Secretary's response is copied below. I am sharing for awareness and no action is needed.

**Sen Van Hollen (D-MD) Question:** I would be interested in the scientific data that you believe needs to be collected in order to make a sound decision on drilling in ANWR. There is a lot of concern that process will be short circuited, and it would be very helpful if you would get back to me in writing with the scientific information that you think needs to be gathered in order to make a sound judgement going forward.

**Sec Zinke Response:** We will follow NEPA to the letter of the law, and follow every regulation, policy, etc. I think the American public deserves it.

Thank you for prioritizing this short turnaround request. Let me know if you have any questions or concerns.

Kristen

---

Kristen Peters  
Congressional and Legislative Affairs Specialist  
U.S. Fish and Wildlife Service, Southeast Region  
[1875 Century Blvd.](#)  
[Atlanta, Georgia 30345](#)  
o: (404) 679-7172  
c: (404) 430-5778  
[kristen\\_peters@fws.gov](mailto:kristen_peters@fws.gov)

--

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

**From:** [Stotyn, Shannon \(EC\)](#)  
**To:** [Brian Lawhead](#); [Paul Leonard](#); [Wendy Loya](#)  
**Subject:** [EXTERNAL] Fw: Calf weight gain from the 1002 report  
**Date:** Thursday, May 17, 2018 1:13:02 PM

---

FYI

Sent from my BlackBerry 10 smartphone on the Bell network.

---

**From:** Brad Griffith <Brad.Griffith@alaska.edu>  
**Sent:** Thursday, May 17, 2018 12:08 PM  
**To:** Mike.Suitor@gov.yk.ca; Stotyn, Shannon (EC); Arthur, Stephen  
**Subject:** Calf weight gain from the 1002 report

---

### “Calf Performance in Relation to Habitat Use

Mean calf weights within 1-2 days of birth were remarkably similar among years. On average, female calves caught during 1992-94 when the herd was declining weighed 6.2 kg, slightly less ( $P = 0.003$ ) than  $\leq 2$ -day-old female calves caught during 1983-85 (6.7 kg, Whitten et al. 1992) when the herd was increasing.

The increase/decrease classification, however, explained only about 9% of the variance in calf weights. The difference in female calf weights between the increase and decrease phases of the herd was due solely to a cohort of heavy calves in 1985 (7.2 kg). Female calves caught in 1983-84 weighed an average of 6.3 kg (Whitten et al. 1992).

There was a significant interaction among years and between periods (0-3 weeks and 4-5 weeks after birth) ( $P < .0001$ ) in daily weight-gain of female calves, 1992-94 (Fig. 3.23). Daily gain was particularly low during the fourth and fifth weeks of life for calves born in 1993 (Fig. 3.23).

Daily weight gain of calves did not differ between calves born in the concentrated calving areas and in the peripheral calving areas ( $P = 0.2138$ ). Much higher relative densities of caribou (7x on average) in the concentrated calving areas compared to peripheral calving areas may have reduced forage available to individual lactating females.

Even though concentrated calving areas had a greater proportion of area with high plant biomass (both NDVI calving and NDVI 621) than did the annual calving grounds, the differential in forage abundance was evidently not sufficient to overcome the higher densities of caribou in the concentrated calving areas and to enhance the weight gain of calves born there.

Patterns of habitat use by calves varied significantly ( $P < 0.01$ ) between periods and among years, 1992-94 (Fig. 3.24a-c), but were generally similar to use of sites for calving (Fig. 3.21). Weight gain of calves during calving ground use was not associated with the percent of time that calves spent in any particular vegetation type or in any class of forage at calving (NDVI calving), rate of increase in forage during lactation (NDVI rate), forage available at the peak of lactation (NDVI 621), or snowcover ( $P : 0.05$ ).

Although individual calf weight gain was not explained by within-annual-calving-ground habitat use, several characteristics of parturient females and calves were related to habitat conditions in the annual calving grounds, 1992-1994. The rank orders of 1) NDVI 621 in the annual calving ground, 2) average parturient female weights (Fig. 3.25), 3) parturient female body condition score, and 4) average calf weights, all at 3-weeks post-calving, were all the same (1993 : 1994 : 1992).

Lack of correlation between individual calf weight gain and use of annual calving ground habitat suggests that the location of annual calving grounds may have maximized calf weight gain, given the conditions of the annual habitat available within the extent of calving. Once the annual calving ground was located in an area that provided a high proportion of easily digestible forage (high NDVI rate), then variation in caribou density and forage biomass (NDVI calving, NDVI 621) may have interacted to reduce variation in performance among the individual study animals.

44 Days ☺!

Last updated 5/17/18



**From:** [Burkart, Greta](#)  
**To:** [Jorgensons; Wendy Loya](#)  
**Subject:** Fwd: Draft Seismic Exploration EA - Affected Environment  
**Date:** Thursday, May 17, 2018 1:54:55 PM  
**Attachments:** [DRAFT Seismic EA - Chapter 3 Existing Condition.docx](#)

---

Hi Janet,

They want us to write the affected environment section of the EA by next week. I am not sure who they have asked to write the vegetation section (perhaps Wendy). b5 - DP

[REDACTED] but noted that the page limit for the entire EA is 50 pages. If more information needs to be included it can be included in an appendix. I know you have been thinking about this EA for quite some time, so I thought I would forward the request on to you in case you have input.

b5 - DP  
[REDACTED]

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](mailto:greta_burkart@fws.gov)  
[www.facebook.com/arcticnationalwildliferefuge](http://www.facebook.com/arcticnationalwildliferefuge)

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

**From:** **Joanna Fox** <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)>  
**Date:** Wed, May 16, 2018 at 3:01 PM  
**Subject:** Draft Seismic Exploration EA - Affected Environment  
**To:** Stephen Arthur <[stephen\\_arthur@fws.gov](mailto:stephen_arthur@fws.gov)>, Christopher Latty <[christopher\\_latty@fws.gov](mailto:christopher_latty@fws.gov)>, "Burkart, Greta" <[greta\\_burkart@fws.gov](mailto:greta_burkart@fws.gov)>, Hollis Twitchell <[hollis\\_twitchell@fws.gov](mailto:hollis_twitchell@fws.gov)>, Jennifer Reed <[jennifer\\_reed@fws.gov](mailto:jennifer_reed@fws.gov)>, Roger Kaye <[Roger\\_Kaye@fws.gov](mailto:Roger_Kaye@fws.gov)>, Joshua Rose <[joshua\\_rose@fws.gov](mailto:joshua_rose@fws.gov)>, "Swem, Ted" <[ted\\_swem@fws.gov](mailto:ted_swem@fws.gov)>, Erin Carver <[erin\\_carver@fws.gov](mailto:erin_carver@fws.gov)>, Patrick O'Dell <[patrick\\_odell@fws.gov](mailto:patrick_odell@fws.gov)>, Edward Decleva <[edward\\_decleva@fws.gov](mailto:edward_decleva@fws.gov)>, "Brown, Randy" <[randy\\_j\\_brown@fws.gov](mailto:randy_j_brown@fws.gov)>  
**Cc:** Steve Berendzen <[steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)>, Sarah Conn <[sarah\\_conn@fws.gov](mailto:sarah_conn@fws.gov)>, Lynnda Kahn <[lynda\\_kahn@fws.gov](mailto:lynda_kahn@fws.gov)>, Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>, stephanie\_brady <[stephanie\\_brady@fws.gov](mailto:stephanie_brady@fws.gov)>

Good morning,

If you are receiving this message, you have either been identified as a lead member of the FWS Seismic Exploration Interdisciplinary Team, or as someone who has expertise that can assist in the development and review of the Environmental Assessment (EA) to analyze the impacts of seismic exploration in the Coastal Plain of the Arctic Refuge.

Specifically, BLM is tasking the FWS team with the responsibility for writing Chapter 3 of the EA (Existing Condition, or what we usually refer to as the Affected Environment). The current proposed timeline has us drafting this Chapter from May 16 (today) through May 25. We anticipate the timeline is going to get bumped back, but not significantly. Therefore, we believe it is imperative that we start our work on this project immediately.

To expedite and make this task as simple as possible, we propose we use the Draft Affected Environment chapter that was prepared last fall when we were tasked with changing the regulations for geological exploration of the 1002 area as a template. We are asking each of you to edit that document as you deem appropriate for this new proposed activity. Please edit and add comments to the [Google Doc](#) where you have subject matter expertise. We will consider this our working draft. Also - if you feel there are Affected Environment categories that are missing, please add them where you think appropriate (for example: it may be worth adding special designations like Wild & Scenic Rivers and Marine Protected Areas).

As you work, please keep in mind that under the new Department NEPA direction, complex EAs will be required to be less than 50 pages in length (appendices are not included in the total page numbers). For this task, you should include the level of detail you deem appropriate for the resource you have expertise about, recognizing that you will be tasked with providing a summary of that resource for the body of the EA.

Thanks much for your assistance with this project! If you have any questions or need additional clarification, please let me know.

Joanna

---

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

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

**From:** [Joanna Fox](#)  
**To:** [Edward Decleva](#)  
**Cc:** [Wendy Loya](#); [Steve Berendzen](#)  
**Subject:** Re: Draft Seismic Exploration EA - Affected Environment  
**Date:** Thursday, May 17, 2018 2:27:14 PM

---

Got it! Thank you for the clarification - and it's understood. Hollis Twitchell will be leading the writing of the subsistence and community-based sections for the EA.

Appreciate your help Ed!

Joanna

---

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

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On Thu, May 17, 2018 at 10:57 AM Edward Decleva <[edward\\_decleva@fws.gov](mailto:edward_decleva@fws.gov)> wrote:  
Thank you Joanna. This is helpful and you don't need to apologize for anything.

FYI, the term "cultural resources" has broad and varied definitions, and it is not defined by NEPA. Therefore, my contribution will be limited to a definition accepted by most cultural resource management professionals (which would be appropriate for the scope of my responsibilities for the agency). Under this definition, cultural resources are defined as the physical evidence of past human activity, including sites, objects, landscapes, structures, or objects. Meaning that I'm only going to discuss prehistoric and historic cultural resources.

Someone else will need to discuss affected contemporary communities and subsistence resources.

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](mailto:edward_decleva@fws.gov)  
907-786-3399

On Thu, May 17, 2018 at 9:33 AM Joanna Fox <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)> wrote:

Hi Ed,

b5 - DP  
[Redacted]

[Redacted]

[Redacted]

I hope this helps, and I apologize that the communication hasn't been better.

Thank you,  
Joanna

---

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

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On Thu, May 17, 2018 at 6:36 AM Edward Decleva <[edward\\_decleva@fws.gov](mailto:edward_decleva@fws.gov)> wrote:

Hi Joanna,

This is the first I've heard of a Seismic Exploration EA. I was only aware of an overarching oil and gas EIS.

b5 - DP  
[Redacted]

b5 - DP

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](mailto:edward_decleva@fws.gov)  
907-786-3399

On Wed, May 16, 2018 at 3:02 PM Joanna Fox <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)> wrote:

Good morning,

If you are receiving this message, you have either been identified as a lead member of the FWS Seismic Exploration Interdisciplinary Team, or as someone who has expertise that can assist in the development and review of the Environmental Assessment (EA) to analyze the impacts of seismic exploration in the Coastal Plain of the Arctic Refuge.

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Thanks much for your assistance with this project! If you have any questions or need additional clarification, please let me know.

Joanna

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**From:** [Joanna Fox](#)  
**To:** [Wendy Loya](#)  
**Cc:** [Steve Berendzen](#); [Drew Crane](#); [Howard, Amee](#)  
**Subject:** Re: Draft Briefing for HQ on 1002 - due back to Amee at 1pm  
**Date:** Thursday, May 17, 2018 3:10:16 PM

---

Hi Wendy - been in meetings and on the phone and just now saw this. It's after 1, so I've missed your deadline, but I've looked it over - and especially the sections you asked us to. I don't see anything inaccurate, and think you've described the situation as it stands now well.

---

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

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[www.facebook.com/arcticnationalwildliferefuge](http://www.facebook.com/arcticnationalwildliferefuge)

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

On Thu, May 17, 2018 at 12:09 PM Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi Steve and Joanna and Drew

Amee has requested a brief summary of our activities related to the Coastal Plain. Please see the google doc I just pulled together and feel free to edit, especially if you see ways to make it more concise and clear. She needs it back by 1pm today to send through Karen C and Refuges leadership, so if you don't have much time please review section 1C and IIB which introduce the Seismic EA.

[https://docs.google.com/document/d/1ol7Au\\_9RPFK92jgPU2aE2ZuSU0Ooo7CkrUhkT4-duys/edit?usp=sharing](https://docs.google.com/document/d/1ol7Au_9RPFK92jgPU2aE2ZuSU0Ooo7CkrUhkT4-duys/edit?usp=sharing)

Drew...see IC to make sure I got your stuff right...

Sorry for the short turnaround, two people came in the office about 1002 stuff in the last half hour before I could hit send!

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:** Amee Howard <[amee\\_howard@fws.gov](mailto:amee_howard@fws.gov)>

**Sent:** Thursday, May 17, 2018 9:34 AM

**To:** Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>

**Cc:** Sara Boario <[sara\\_boario@fws.gov](mailto:sara_boario@fws.gov)>; Socheata Lor <[socheata\\_lor@fws.gov](mailto:socheata_lor@fws.gov)>

**Subject:** Re: Information Requested - ANWR 1002 Area Development

Perfect!

Thanks so much!

Sent from my iPhone

On May 17, 2018, at 9:28 AM, Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)> wrote:

I can get you materials by 1pm.

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 May 17, 2018, at 08:57, Howard, Amee <[amee\\_howard@fws.gov](mailto:amee_howard@fws.gov)> wrote:

Hi Wendy,

I stopped in and touched base with Soch. She would like me to send a summary of the recent goings on, our perspective, and the EIS timeline. We don't need anything too in depth, it sounds like the Senator's office through HQ-Budget is looking for a brief update.

I would like to send:

Brief summary

EIS timeline

BLM Scoping meeting schedule (I have this)

I will need to get it back to them by COB today. Can you have something to me by noon or early afternoon? Then I can clear it through Karen and Refuges before sending.

Quick note - I am in the building....running between Attu stuff and Subsistence stuff. I will have my phone and be checking emails. Thanks!!!

Let me know if you have any questions.

Thanks so much!  
Amee

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

From: **Lor, Socheata** <[socheata\\_lor@fws.gov](mailto:socheata_lor@fws.gov)>

Date: Thu, May 17, 2018 at 7:55 AM

Subject: Re: Information Requested - ANWR 1002 Area

0000008130

Development

To: "Peters, Kristen" <[kristen\\_peters@fws.gov](mailto:kristen_peters@fws.gov)>  
Cc: Mitch Ellis <[mitch\\_ellis@fws.gov](mailto:mitch_ellis@fws.gov)>, "Katherine (Ketti) Spomer" <[katherine\\_spomer@fws.gov](mailto:katherine_spomer@fws.gov)>, Amee Howard <[amee\\_howard@fws.gov](mailto:amee_howard@fws.gov)>

Hi Kristen,

In thinking more about these requests, should they go to Amee Howard who is our Congressional Affairs liaison? Amee could coordinate responses from all our programs who are involved in coastal plain work in Alaska. We have a regional arctic specialist who is the main point of contact, and also each program has a point of contact.

Amee, please advise how best to respond to these requests. We have received one or two in recent past from Kristen.

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 Thu, May 17, 2018 at 4:24 AM, Peters, Kristen  
<[kristen\\_peters@fws.gov](mailto:kristen_peters@fws.gov)> wrote:

Hi Mitch and Soch,

The Division of Budget has reached out for our help to respond for a short turnaround request for an update on ANWR from a Senate staffer. Could you provide Ketti and me with a brief update, including any milestones or a tentative schedule, that we can pass along to the staffer? The Division of Budget would like to respond to this inquiry fairly quickly and have requested an update by COB today. Do you think you could send a brief update by **COB (your time) today**?

Also, I wanted to let you know that the topic of oil and gas development in ANWR was discussed at the Secretary's hearing last week not the FY19 budget. The question and the Secretary's response is copied below. I am sharing for awareness and no action is needed.

**Sen Van Hollen (D-MD) Question:** I would be interested in the scientific data that you believe needs to be collected in order to make a sound decision on drilling in ANWR. There is a lot of concern that process will be short circuited, and it would be very helpful if you would get back to me in writing with the scientific information that you think needs to be gathered in order to make a sound judgement going forward.

**Sec Zinke Response:** We will follow NEPA to the letter of the law, and follow every regulation, policy, etc. I think the American public deserves it.

Thank you for prioritizing this short turnaround request. Let me know if you have any questions or concerns.

Kristen

---

Kristen Peters

Congressional and Legislative Affairs Specialist

U.S.Fish and Wildlife Service, Southeast Region

[1875 Century Blvd.](#)

[Atlanta, Georgia 30345](#)

o: (404) 679-7172

c: (404) 430-5778

[kristen\\_peters@fws.gov](mailto:kristen_peters@fws.gov)

--

*Amee Howard*

*Congressional and State Liaison*

**U.S. Fish & Wildlife Service**

Anchorage, Alaska

Office: (907)786-3509

Mobile: (907)229-8575

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**From:** [Howard, Amee](#)  
**To:** [Wendy Loya](#)  
**Cc:** [Drew Crane](#); [Steve Berendzen](#); [Joanna Fox](#); [Socheata Lor](#)  
**Subject:** Re: Draft Briefing for HQ on 1002 - due back to Amee at 1pm  
**Date:** Thursday, May 17, 2018 3:18:20 PM

---

Hi All,

Sounds great from one scientist to another!!

I appreciate everyone's help. I will get language to Karen and cleared and then on its way.

Thanks again!

Amee

On Thu, May 17, 2018 at 1:14 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Amee,

There is not a timeline we should share. There was a very drafty one before the NOI was issued and contractor was hired, but it would be misleading to use that at this point as it may not meet DOI requirements. We may get one today, but it seems like that is something we hear every week

☺

OK, feel free to run with what we have....It is wordy, but it takes (a scientist) more time than we had to be concise.

[https://docs.google.com/document/d/1oi7Au\\_9RPFK92jgPU2aE2ZuSU0Ooo7CkrUhkT4-duys/edit?usp=sharing](https://docs.google.com/document/d/1oi7Au_9RPFK92jgPU2aE2ZuSU0Ooo7CkrUhkT4-duys/edit?usp=sharing)

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)

0000008134

**From:** Howard, Amee <[amee\\_howard@fws.gov](mailto:amee_howard@fws.gov)>

**Sent:** Thursday, May 17, 2018 1:10 PM

**To:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>; Drew Crane <[drew\\_crane@fws.gov](mailto:drew_crane@fws.gov)>; Steve Berendzen <[steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)>; Joanna Fox <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)>

**Cc:** Socheata Lor <[socheata\\_lor@fws.gov](mailto:socheata_lor@fws.gov)>

**Subject:** Re: Draft Briefing for HQ on 1002 - due back to Amee at 1pm

Hi All,

Short and sweet is all we need. I think what you have here is a great amount of information for me to work with. We want to keep the focus on our role as a cooperating agency, to respond to this inquiry. I will be reiterating BLM's role as the Lead Agency with HQ and others.

Soch indicated there was an EIS timeline that has been shared. Can you send that my way? I have the BLM's scoping meeting schedule.

Thank you all for your assistance on this!

Amee

On Thu, May 17, 2018 at 12:09 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi Steve and Joanna and Drew

Amee has requested a brief summary of our activities related to the Coastal Plain. Please see the google doc I just pulled together and feel free to edit, especially if you see ways to make it more concise and clear. She needs it back by 1pm today to send through Karen C and Refuges leadership, so if you don't have much time please review section 1C and IIB which introduce the Seismic EA.

[https://docs.google.com/document/d/1oI7Au\\_9RPFK92jgPU2aE2ZuSU0Ooo7CkrUhkT4-duys/edit?usp=sharing](https://docs.google.com/document/d/1oI7Au_9RPFK92jgPU2aE2ZuSU0Ooo7CkrUhkT4-duys/edit?usp=sharing)

Drew...see IC to make sure I got your stuff right...

Sorry for the short turnaround, two people came in the office about 1002 stuff in the last half hour before I could hit send!

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:** Amee Howard <[amee\\_howard@fws.gov](mailto:amee_howard@fws.gov)>  
**Sent:** Thursday, May 17, 2018 9:34 AM  
**To:** Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>  
**Cc:** Sara Boario <[sara\\_boario@fws.gov](mailto:sara_boario@fws.gov)>; Socheata Lor <[socheata\\_lor@fws.gov](mailto:socheata_lor@fws.gov)>  
**Subject:** Re: Information Requested - ANWR 1002 Area Development

Perfect!

Thanks so much!

Sent from my iPhone

On May 17, 2018, at 9:28 AM, Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)> wrote:

I can get you materials by 1pm.

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 May 17, 2018, at 08:57, Howard, Ameer <[amee\\_howard@fws.gov](mailto:amee_howard@fws.gov)> wrote:

Hi Wendy,

I stopped in and touched base with Soch. She would like me to send a summary of the recent goings on, our perspective, and the EIS timeline. We don't need anything too in depth, it sounds like the Senator's office through HQ-Budget is looking for a brief update.

I would like to send:

Brief summary

EIS timeline

BLM Scoping meeting schedule (I have this)

I will need to get it back to them by COB today. Can you have something to me by noon or early afternoon? Then I can clear it through Karen and Refuges before sending.

Quick note - I am in the building....running between Attu stuff and Subsistence stuff. I will have my phone and be checking emails. Thanks!!!

Let me know if you have any questions.

Thanks so much!  
Amee

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

From: **Lor, Socheata** <[socheata\\_lor@fws.gov](mailto:socheata_lor@fws.gov)>  
Date: Thu, May 17, 2018 at 7:55 AM  
Subject: Re: Information Requested - ANWR 1002 Area  
Development  
To: "Peters, Kristen" <[kristen\\_peters@fws.gov](mailto:kristen_peters@fws.gov)>  
Cc: Mitch Ellis <[mitch\\_ellis@fws.gov](mailto:mitch_ellis@fws.gov)>, "Katherine (Ketti)  
Spomer" <[katherine\\_spomer@fws.gov](mailto:katherine_spomer@fws.gov)>, Amee Howard  
<[amee\\_howard@fws.gov](mailto:amee_howard@fws.gov)>

Hi Kristen,

In thinking more about these requests, should they go to Amees Howard who is our Congressional Affairs liaison? Amees could coordinate responses from all our programs who are involved in coastal plain work in Alaska. We have a regional arctic specialist who is the main point of contact, and also each program has a point of contact.

Amees, please advise how best to respond to these requests. We have received one or two in recent past from Kristen.

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 Thu, May 17, 2018 at 4:24 AM, Peters, Kristen  
<[kristen\\_peters@fws.gov](mailto:kristen_peters@fws.gov)> wrote:

Hi Mitch and Soch,

The Division of Budget has reached out for our help to respond for a short turnaround request for an update on ANWR from a Senate staffer. Could you provide Ketti and me with a brief update, including any milestones or a tentative schedule, that we can pass along to the staffer? The Division of Budget would like to respond to this inquiry fairly quickly and have requested an update by COB today. Do you think you could send a brief update by **COB (your time) today**?

Also, I wanted to let you know that the topic of oil and gas development in ANWR was discussed at the Secretary's hearing last week not the FY19 budget. The question and the Secretary's response is copied below. I am sharing for awareness and no action is needed.

**Sen Van Hollen (D-MD) Question:** I would be interested in the scientific data that you believe needs to be collected in order to make a sound decision on drilling in ANWR. There is a lot of concern that process will be short circuited, and it would be very helpful if you would get back to me in writing with the scientific information that you think needs to be gathered in order to make a sound judgement going forward.

**Sec Zinke Response:** We will follow NEPA to the letter of the law, and follow every regulation, policy, etc. I think the American public deserves it.

Thank you for prioritizing this short turnaround request. Let me know if you have any questions or concerns.

Kristen

---

Kristen Peters

Congressional and Legislative Affairs Specialist

U.S.Fish and Wildlife Service, Southeast Region

[1875 Century Blvd.](#)

[Atlanta, Georgia 30345](#)

o: (404) 679-7172

c: (404) 430-5778

[kristen\\_peters@fws.gov](mailto:kristen_peters@fws.gov)

--

*Amee Howard*

*Congressional and State Liaison*

**U.S. Fish & Wildlife Service**

Anchorage, Alaska

Office: (907)786-3509

Mobile: (907)229-8575

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*Amee Howard*

*Congressional and State Liaison*

U.S. Fish & Wildlife Service

Anchorage, Alaska

Office: (907)786-3509

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*Congressional and State Liaison*

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Mobile: (907)229-8575

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**From:** [Andrea Medeiros](#)  
**To:** [Laury Parramore](#)  
**Cc:** [Sara Boario](#); [Wendy Loya](#)  
**Subject:** Re: URGENT-INPUT NEEDED: 1002 remarks  
**Date:** Thursday, May 17, 2018 4:58:36 PM  
**Attachments:** [1002 Communications-EA-NRWS.docx](#)  
[Facebook Logo for Email Signature Block.png](#)

---

Hi Laury,

Here is the revised communications document for 1002.

---

Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
(907) 786-3695  
Mobile: (907) 227-4788

Connect with us:



On Wed, May 16, 2018 at 9:37 AM Laury Parramore <[laury\\_parramore@fws.gov](mailto:laury_parramore@fws.gov)> wrote:

Hi Sara and Andrea,  
Attached is a version that has been reviewed by AD-AEA (Barbara) and AD-NWRS (Cynthia). This version reflects their revisions. Would you please address the questions in the comments? Then this can move forward to Greg and/or DOI-OCO.

[Laury Marshall Parramore](#)

**From:** [Jorgensons](#)  
**To:** "Wendy Loya"  
**Cc:** [greta\\_burkart@fws.gov](mailto:greta_burkart@fws.gov)  
**Subject:** RE: [EXTERNAL] EA for 1002 area  
**Date:** Thursday, May 17, 2018 5:20:54 PM

---

Here's some text describing the north slope of the refuge that can be used in the EA:

b5-DP  
[Redacted text block]

---

**From:** Wendy Loya [mailto:Wendy\_loya@fws.gov]  
**Sent:** Thursday, May 17, 2018 2:37 PM

**To:** Jorgensons  
**Subject:** RE: [EXTERNAL] EA for 1002 area

Thanks Janet, have a great vacation. I'll make sure this gets 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)

---

**From:** Jorgensons [REDACTED] >  
**Sent:** Thursday, May 17, 2018 2:13 PM  
**To:** [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)  
**Cc:** [greta\\_burkart@fws.gov](mailto:greta_burkart@fws.gov)  
**Subject:** [EXTERNAL] EA for 1002 area

Hi Wendy, If you are not the person tasked with editing the affected environment section of the EA for 1002 area, could you forward this to whoever is? It can't be me, as I leave on vacation on Saturday for a week and am too busy until the end of May. I will copy this to Greta too, in case she hears who will be doing the editing for the deadline which I think is next week. Hope all is going well!

Thanks, Janet

Comments from Janet 5/17/18 on vegetation and soils sections of the affected environment section of EA for 1002, draft from early 2018:

I was not asked to help on the draft EA done a few months ago, [REDACTED] b5-DP [REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

**From:** [Howard, Amee](#)  
**To:** [Wendy Loya](#); [Joanna Fox](#); [Drew Crane](#); [Steve Berendzen](#)  
**Cc:** [Karen Clark](#); [Sara Boario](#); [Mitch Ellis](#); [Socheata Lor](#)  
**Subject:** Re: Draft Briefing for HQ on 1002 - due back to Amee at 1pm  
**Date:** Thursday, May 17, 2018 6:05:12 PM

---

Hi All,

Thank you all for your assistance on this and for the quick turnaround. Your efforts are very much appreciated!

Have a great evening!  
Amee

On Thu, May 17, 2018 at 1:14 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Amee,

There is not a timeline we should share. There was a very drafty one before the NOI was issued and contractor was hired, but it would be misleading to use that at this point as it may not meet DOI requirements. We may get one today, but it seems like that is something we hear every week 😊

OK, feel free to run with what we have....It is wordy, but it takes (a scientist) more time than we had to be concise.

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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)

0000008145

**From:** Howard, Amee <[amee\\_howard@fws.gov](mailto:amee_howard@fws.gov)>

**Sent:** Thursday, May 17, 2018 1:10 PM

**To:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>; Drew Crane <[drew\\_crane@fws.gov](mailto:drew_crane@fws.gov)>; Steve Berendzen <[steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)>; Joanna Fox <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)>

**Cc:** Socheata Lor <[socheata\\_lor@fws.gov](mailto:socheata_lor@fws.gov)>

**Subject:** Re: Draft Briefing for HQ on 1002 - due back to Amee at 1pm

Hi All,

Short and sweet is all we need. I think what you have here is a great amount of information for me to work with. We want to keep the focus on our role as a cooperating agency, to respond to this inquiry. I will be reiterating BLM's role as the Lead Agency with HQ and others.

Soch indicated there was an EIS timeline that has been shared. Can you send that my way? I have the BLM's scoping meeting schedule.

Thank you all for your assistance on this!

Amee

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Hi Steve and Joanna and Drew

Amee has requested a brief summary of our activities related to the Coastal Plain. Please see the google doc I just pulled together and feel free to edit, especially if you see ways to make it more concise and clear. She needs it back by 1pm today to send through Karen C and Refuges leadership, so if you don't have much time please review section 1C and IIB which introduce the Seismic EA.

[https://docs.google.com/document/d/1o17Au\\_9RPFK92jgPU2aE2ZuSU0Ooo7CkrUhkT4-duys/edit?usp=sharing](https://docs.google.com/document/d/1o17Au_9RPFK92jgPU2aE2ZuSU0Ooo7CkrUhkT4-duys/edit?usp=sharing)

Drew...see IC to make sure I got your stuff right...

Sorry for the short turnaround, two people came in the office about 1002 stuff in the last half hour before I could hit send!

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:** Amee Howard <[amee\\_howard@fws.gov](mailto:amee_howard@fws.gov)>

**Sent:** Thursday, May 17, 2018 9:34 AM

**To:** Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>

**Cc:** Sara Boario <[sara\\_boario@fws.gov](mailto:sara_boario@fws.gov)>; Socheata Lor <[socheata\\_lor@fws.gov](mailto:socheata_lor@fws.gov)>

**Subject:** Re: Information Requested - ANWR 1002 Area Development

Perfect!

Thanks so much!

Sent from my iPhone

On May 17, 2018, at 9:28 AM, Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)> wrote:

I can get you materials by 1pm.

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 May 17, 2018, at 08:57, Howard, Ameer <[amee\\_howard@fws.gov](mailto:amee_howard@fws.gov)> wrote:

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BLM Scoping meeting schedule (I have this)

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Quick note - I am in the building....running between Attu stuff and Subsistence stuff. I will have my phone and be checking emails. Thanks!!!

Let me know if you have any questions.

Thanks so much!  
Amee

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

From: **Lor, Socheata** <[socheata\\_lor@fws.gov](mailto:socheata_lor@fws.gov)>  
Date: Thu, May 17, 2018 at 7:55 AM  
Subject: Re: Information Requested - ANWR 1002 Area Development  
To: "Peters, Kristen" <[kristen\\_peters@fws.gov](mailto:kristen_peters@fws.gov)>  
Cc: Mitch Ellis <[mitch\\_ellis@fws.gov](mailto:mitch_ellis@fws.gov)>, "Katherine (Ketti) Spomer" <[katherine\\_spomer@fws.gov](mailto:katherine_spomer@fws.gov)>, Amees Howard <[amee\\_howard@fws.gov](mailto:amee_howard@fws.gov)>

Hi Kristen,

In thinking more about these requests, should they go to Amees Howard who is our Congressional Affairs liaison? Amees could coordinate responses from all our programs who are involved in coastal plain work in Alaska. We have a regional arctic specialist who is the main point of contact, and also each program has a point of contact.

Amees, please advise how best to respond to these requests. We have received one or two in recent past from Kristen.

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 Thu, May 17, 2018 at 4:24 AM, Peters, Kristen  
<[kristen\\_peters@fws.gov](mailto:kristen_peters@fws.gov)> wrote:

Hi Mitch and Soch,

The Division of Budget has reached out for our help to respond for a short turnaround request for an update on ANWR from a Senate staffer. Could you provide Ketti and me with a brief update, including any milestones or a tentative schedule, that we can pass along to the staffer? The Division of Budget would like to respond to this inquiry fairly quickly and have requested an update by COB today. Do you think you could send a brief update by **COB (your time) today**?

Also, I wanted to let you know that the topic of oil and gas development in ANWR was discussed at the Secretary's hearing last week not the FY19 budget. The question and the Secretary's response is copied below. I am sharing for awareness and no action is needed.

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**Sec Zinke Response:** We will follow NEPA to the letter of the law, and follow every regulation, policy, etc. I think the American public deserves it.

Thank you for prioritizing this short turnaround request. Let me know if you have any questions or concerns.

Kristen

---

Kristen Peters

Congressional and Legislative Affairs Specialist

U.S.Fish and Wildlife Service, Southeast Region

[1875 Century Blvd.](#)

[Atlanta, Georgia 30345](#)

o: (404) 679-7172

c: (404) 430-5778

[kristen\\_peters@fws.gov](mailto:kristen_peters@fws.gov)

--

*Amee Howard*

*Congressional and State Liaison*

**U.S. Fish & Wildlife Service**

Anchorage, Alaska

Office: (907)786-3509

Mobile: (907)229-8575

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*Amee Howard*

*Congressional and State Liaison*

U.S. Fish & Wildlife Service

Anchorage, Alaska

Office: (907)786-3509

Mobile: (907)229-8575

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*Amee Howard*

*Congressional and State Liaison*

U.S. Fish & Wildlife Service

Anchorage, Alaska

Office: (907)786-3509

Mobile: (907)229-8575

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**From:** [Berendzen, Steve](#)  
**To:** [Loya, Wendy](#)  
**Cc:** [Hollis Twitchell](#)  
**Subject:** Fwd: info  
**Date:** Thursday, May 17, 2018 6:37:48 PM  
**Attachments:** [Week 2 May 29-June1 ANC FAI BAR.pdf](#)

---

Wendy, FYI - don't know if you've seen this. I just asked about it so she sent to me. I'm not included as an attendee - cool for me (just kidding :)

Do you know if Greg is planning to attend Fairbanks or Barrow? I don't think Fairbanks should be a problem for those who plan to come up here from a lodging or transportation standpoint, but it would be good for Hollis and I to coordinate our Barrow travel with whoever is going from the RO. We could theoretically stay in the Barrow bunkhouse, but Greg or other RO participant might prefer to stay with others at the Top of the World hotel. Hollis and I are flexible....

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

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

**From:** **Hayes, Miriam (Nicole)** <[mnhayes@blm.gov](mailto:mnhayes@blm.gov)>  
**Date:** Thu, May 17, 2018 at 3:46 PM  
**Subject:** info  
**To:** Steve Berendzen <[steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)>

Week 2 itinerary.

**Nicole Hayes**  
Project Coordinator  
Bureau of Land Management  
222 W. 7th Avenue #13  
Anchorage, Alaska 99513  
Desk: (907) 271-4354

**From:** [Berendzen, Steve](#)  
**To:** [Wendy Loya](#)  
**Cc:** [Andrea Medeiros](#)  
**Subject:** Re: Copy of 1002 Communications-EA-NRWS - Invitation to edit  
**Date:** Thursday, May 17, 2018 8:04:20 PM

---

I'm fine with this - thanks!

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

On Thu, May 17, 2018 at 1:40 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

I agree that question's answer has poor wording, I was trying to walk that confusing line about BLM insisting this is a Leasing EIS but also acknowledging that it has to address exploration and development impacts as part of that. I edited the words a little bit further in Andrea's doc. It now says this:

**How will the EIS examine the impact of exploration, leasing and development on fish, wildlife, habitat, subsistence and recreation?** The purpose of the EIS is to evaluate alternative ways of leasing lands on the Coastal Plain of the Arctic National Wildlife Refuge and determine what the impacts of industrial activities are likely to be. If and when a specific proposal for development occurs on the Coastal Plain, additional impact analyses will be done to ensure responsible resource development.

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:** Berendzen, Steve <[steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)>

**Sent:** Thursday, May 17, 2018 1:23 PM

**To:** Andrea Medeiros <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)>

**Cc:** Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>

0000008154

**Subject:** Re: Copy of 1002 Communications-EA-NRWS - Invitation to edit

Thanks, Andrea - after I sent that email response I tried again and was able to get in to edit. The comments I saw looked fine to me.

If either of you wants to discuss my concern, please let me know.

Steve Berendzen

Refuge Manager, Arctic National Wildlife Refuge

907-456-0253

On Thu, May 17, 2018 at 8:52 AM, Andrea Medeiros <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)> wrote:

Hi Steve,

Odd, I gave you editing permission. Good catch on the answer.

**Wendy**, let me know when you have made any final changes. I need to get this back to D.C. to complete the review process.

---

Andrea Medeiros

U.S. Fish and Wildlife Service,

Alaska Region, External Affairs **tEAm**

Public Affairs Specialist

(907) 786-3695

Mobile: (907) 227-4788

Connect with us:

0000008155



On Wed, May 16, 2018 at 4:31 PM Berendzen, Steve <[steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)> wrote:

Wendy and Andrea, I can only view the document, and I can't see other comments. My concern is with the italicized portion below (from FAQ #4:)

**1. How will the EIS examine the impact of exploration, leasing and development on fish, wildlife, habitat, subsistence and recreation?**

The purpose of the EIS is to evaluate alternative ways of leasing lands on the Coastal Plain of the Arctic National Wildlife Refuge and determine what the impacts of *exploration and leasing are likely to be. If and when a specific proposal for development occurs on the Coastal Plain following exploration and leasing, additional impact analyses will be done to ensure responsible resource development.*

I suggest we acknowledge that we're looking at "exploration and development", as well since it is authorized through a lease, and we could add "since they will be authorized through this lease sale" rather than the "if and when a specific proposal for development occurs on the Coastal Plain following exploration and leasing". Then we could also mention that "When successful lease applicants develop proposed actions for exploration or development activities, additional impact analyses will be done to ensure responsible resource development".

I thought Mike Gieryic b5 - AC

[REDACTED]

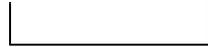
Steve Berendzen

Refuge Manager, Arctic National Wildlife Refuge

907-456-0253

On Wed, May 16, 2018 at 3:06 PM, Wendy Loya (via Google Docs) <[drive-shares-noreply@google.com](mailto:drive-shares-noreply@google.com)> wrote:

[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov) has invited you to **edit** the following document:



[Copy of 1002 Communications-EA-NRWS](#)

 You can edit this version, Steve...

[Open in Docs](#)

---

Google Docs: Create and edit documents online.

Google LLC, [1600 Amphitheatre Parkway, Mountain View, CA 94043, USA](#)

You have received this email because someone shared a document with you from Google Docs.



**From:** [Wendy Loya](#)  
**To:** [Drew Crane](#)  
**Subject:** Nat Res Categories for NPRA IAP EIS Table RMPs ROPs 6Apr2018.docx  
**Date:** Friday, May 18, 2018 1:44:43 PM  
**Attachments:** [Nat Res Categories for NPRA IAP EIS Table RMPs ROPs 6Apr2018.docx](#)

---

Important Attachment 😊

**From:** [Wendy Loya](#)  
**To:** [greg\\_siekaniec@fws.gov](#); [karen\\_clark@fws.gov](#); [mitch\\_ellis@fws.gov](#); [john\\_trawicki@fws.gov](#); [drew\\_crane@fws.gov](#); [steve\\_berendzen@fws.gov](#)  
**Subject:** Fwd: updated itinerary for 1002 meetings next week  
**Date:** Friday, May 18, 2018 5:05:13 PM  
**Attachments:** [Week 1 May 21-25 Kaktovik Arctic Village v3. docx \(1\).docx](#)  
[Untitled attachment 02395.htm](#)

---

The attached BLM itinerary indicates Kaktovik might get get delayed due to the death of an elder.

Steve, please continue to pass along any updates you receive to this group :)

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:** "Berendzen, Steve" <[steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)>  
**Date:** May 18, 2018 at 14:50:04 AKDT  
**To:** "Loya, Wendy" <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>  
**Subject:** Fwd: updated itinerary

Wendy,

I'm not included on this revised itinerary as an attendee, but I'm still shown as having a seat on the charter flight so I'll still plan to attend :)

I don't know if Mitch or Karen might want a copy of this; their travel will be separate from others, and is hopefully set up. Hollis is only going to Arctic Village to help ensure that Karen can make it to both meetings - she'll fly up there from Fairbanks with him.

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

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

**From:** Hayes, Miriam (Nicole) <[mnhayes@blm.gov](mailto:mnhayes@blm.gov)>  
**Date:** Fri, May 18, 2018 at 10:35 AM  
**Subject:** updated itinerary  
**To:** Steve Berendzen <[steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)>

**Nicole Hayes**  
Project Coordinator  
Bureau of Land Management  
222 W. 7th Avenue #13  
Anchorage, Alaska 99513  
Desk: (907) 271-4354

**From:** [Wendy Loya](#)  
**To:** [Greg Siekaniec](#); [Karen Clark](#)  
**Subject:** Arctic Refuge Coastal Plain: MOU for Leasing EIS and Project Initiation Letter for Seismic EA  
**Date:** Monday, May 21, 2018 2:27:02 PM  
**Attachments:** [PIL\\_Seismic EA May 18 2018 v2.docx](#)  
[DRAFT BLM-FWS MOU 5.15.18.docx](#)

---

Hi Karen and Greg,

Steve and Joanna at Arctic Refuge have taken the lead on the Coastal Plain Seismic EA, and that process being administered separately at BLM from the Leasing EIS. There is so much to do for both that we do need different leadership, and I will work with Steve and Joanna to make sure the we have regular and consistent communication.

Attached are the 1) Draft Project Initiation Letter for the Seismic EA (PIL\_Seismic EA May 18 2018), which I wanted to share given the exceptionally short time line described...this one will move quickly; and 2) the Draft MOU for the Leasing EIS which has been through reviews by FWS, BLM and the solicitor and is now on its way back to the solicitor via BLM as it moves towards finalization (Draft BLM-FWS MOU 5.15.18).

Karen, I wanted you to have a chance to consider these prior to our meeting tomorrow (Tues 22<sup>nd</sup>).

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)

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

**From:** **LaMarr, Sarah** <[slamarr@blm.gov](mailto:slamarr@blm.gov)>  
**Date:** Fri, May 18, 2018 at 3:48 PM  
**Subject:** Updated Seismic Project Initiation Letter and Schedule for Review  
**To:** Nichelle Jones <[njones@blm.gov](mailto:njones@blm.gov)>, Steve Berendzen <[steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)>, Joanna Fox <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)>  
**Cc:** "Wixon, Donna" <[dwixon@blm.gov](mailto:dwixon@blm.gov)>

Please review the updated schedule in the attached PIL. Thanks, s.

Sarah La Marr  
Bureau of Land Management  
Arctic District Office  
Fairbanks, Alaska  
907-474-2334 (desk)  
907-888-3407 (cell)

0000008161

[slamarr@blm.gov](mailto:slamarr@blm.gov)

**From:** [Andrea Medeiros](#)  
**To:** [Laury Parramore](#)  
**Cc:** [Sara Boario](#); [Wendy Loya](#); [Barbara Wainman](#)  
**Subject:** Re: URGENT-INPUT NEEDED: 1002 remarks  
**Date:** Monday, May 21, 2018 3:32:10 PM  
**Attachments:** [Facebook Logo for Email Signature Block.png](#)

---

Hi Laury,

I jumped the gun a little. Some other folks here in the region are taking a look at this. We will get it back to you ASAP. Sorry about that.

The Kaktovik meeting scheduled for tomorrow has been cancelled due to a death in the community.

---

Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
(907) 786-3695  
Mobile: (907) 227-4788

Connect with us:



On Thu, May 17, 2018 at 2:57 PM Andrea Medeiros <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)> wrote:

Hi Laury,

Here is the revised communications document for 1002.

---

Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
(907) 786-3695  
Mobile: (907) 227-4788

Connect with us:



On Wed, May 16, 2018 at 9:37 AM Laury Parramore <[laury\\_parramore@fws.gov](mailto:laury_parramore@fws.gov)> wrote:

Hi Sara and Andrea,

Attached is a version that has been reviewed by AD-AEA (Barbara) and AD-NWRS (Cynthia). This version reflects their revisions. Would you please address the questions in the comments? Then this can move forward to Greg and/or DOI-OCO.

[Laury Marshall Parramore](#)

**From:** [Berendzen, Steve](#)  
**To:** [O'Dell, Patrick](#)  
**Cc:** [Wendy Loya](#)  
**Subject:** Re: chat about Coastal Plain program?  
**Date:** Monday, May 21, 2018 3:57:36 PM

---

Wendy and Patrick, I'm really sorry I missed these emails over the weekend - there was other email traffic that I focused on and didn't get to these until too late.

Did you connect this morning and come up with any plans?

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

On Sat, May 19, 2018 at 10:29 AM, O'Dell, Patrick <[patrick\\_odell@fws.gov](mailto:patrick_odell@fws.gov)> wrote:

Hi Wendy,

I will plan on 10:00 am Mountain Monday. I did review the SAE seismic plan and provided a few comments to Joanna Fox.

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](mailto:patrick_odell@fws.gov)

On Fri, May 18, 2018 at 1:54 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi Patrick,

Steve and I would enjoy a chance to chat with you about the Coastal Plain program. I think we shared with you that there is also a Seismic EA moving forward at an even faster pace than the EIS. A direct conversation with you would help us know how we can best draw on your expertise and when we should make sure to include you in future conversations (perhaps all!).

Are you by chance available to chat on Monday at 10am MT/8am AK? If not, we can look for another time that works (feel free to suggest).

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:** O'Dell, Patrick <[patrick\\_odell@fws.gov](mailto:patrick_odell@fws.gov)>

**Sent:** Thursday, May 10, 2018 6:15 PM

**To:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>

**Subject:** Re: Request for Scoping Comments from FWS Staff for the Arctic Refuge Coastal Plain Leasing EIS

Hi Wendy,

Thanks for including me on the request. I will focus **b5-DP**

[REDACTED]

The deadline is no problem from my end.

I will also follow-up with my headquarters folks to determine how R9 will provide input.

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](mailto:patrick_odell@fws.gov)

On Thu, May 10, 2018 at 3:28 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Dear colleagues,

Thank you to those of you that were able to participate in the BLM Scoping meeting for Cooperating Agencies on May 3<sup>rd</sup>, and for sharing your expertise with the EIS Project Manager (Nicole Hayes) and contractor (EMPSi) and sub-contractors (ABR, Steven R Braund & Assoc, Northern Economics, ABR, HDR and DOWL).

Although the contractor took notes, including detailed notes on a laptop and more generalized notes on flip charts, the FWS has decided to submit written scoping comments. We invite you to submit concise, substantive comments on issues within or related to your area of expertise that should be considered for evaluation in the EIS. We especially want to highlight the most pressing issues and unique nature of the Arctic Refuge that should be described and evaluated. See the google doc for more info.

Please enter your comments in the following Google Doc (please do not delete others' comments): [https://docs.google.com/document/d/1sZhCAKBC7m0E6HUF\\_60kSCVJY7xn6lANn1hwZUxW-y4/edit#heading=h.gjdgxs](https://docs.google.com/document/d/1sZhCAKBC7m0E6HUF_60kSCVJY7xn6lANn1hwZUxW-y4/edit#heading=h.gjdgxs)

**Please have your comments entered by June 1.** Let your division point of contact know ASAP if that date is unattainable and we'll try to make alternative plans for receiving your comments. The program points of contact will review entries for duplication or clarity and submit to the Regional Director for signature and submission by the June 19<sup>th</sup> scoping deadline.

For your information the Service provided the BLM and EMPSi a PDF binder of the Resource Assessments and Select FWS Bibliography, which you can access here: [https://drive.google.com/file/d/1\\_124q-WQ6QnPehIZa84yENIxM4UPnzp-/view?usp=sharing](https://drive.google.com/file/d/1_124q-WQ6QnPehIZa84yENIxM4UPnzp-/view?usp=sharing)

Again, thank you all!

Wendy (Regional POC)

Steve & Joanna (Arctic Refuge)

John Trawicki (NWRS)

Drew Crane (FES)

Carl Johnson (OSM)

Eric Taylor (MBM)

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:** [Andrea Medeiros](#)  
**To:** [Joanna Fox](#); [Wendy Loya](#); [Berendzen, Steve](#)  
**Subject:** Fwd: URGENT-INPUT NEEDED: 1002 remarks  
**Date:** Monday, May 21, 2018 4:10:13 PM  
**Attachments:** [Facebook Logo for Email Signature Block.png](#)  
[1002 Communications-EA-NRWS.docx](#)

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I somehow didn't think of the need to loop other RDT members into our review process. Fortunately, I was in the RDT meeting this morning and Karen mentioned the need to have talking points, so now a review is happening.

You may already know this.

---

Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
(907) 786-3695  
Mobile: (907) 227-4788

Connect with us:



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

From: Andrea Medeiros <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)>  
Date: Mon, May 21, 2018 at 10:12 AM  
Subject: Fwd: URGENT-INPUT NEEDED: 1002 remarks  
To: Karen Clark <[karen\\_clark@fws.gov](mailto:karen_clark@fws.gov)>, Mitch Ellis <[mitch\\_ellis@fws.gov](mailto:mitch_ellis@fws.gov)>, Colligan, Mary <[mary\\_colligan@fws.gov](mailto:mary_colligan@fws.gov)>, Gregory Siekaniec <[greg\\_siekaniec@fws.gov](mailto:greg_siekaniec@fws.gov)>, Karen Murphy <[karen\\_a\\_murphy@fws.gov](mailto:karen_a_murphy@fws.gov)>  
Cc: Sara Boario <[sara\\_boario@fws.gov](mailto:sara_boario@fws.gov)>

Hi All,

Here is a draft of the communications plan RE 1002. It provides a schedule of meetings, identifies USFWS representatives attending scoping meetings, an opening statement, plan for Refuge website Home page post, and a Q and As.

The schedule of scoping meetings will need to be updated to reflect the change in the date of the Kaktovik meeting.

---

Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist

(907) 786-3695  
Mobile: (907) 227-4788

Connect with us:



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

From: Andrea Medeiros <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)>  
Date: Thu, May 17, 2018 at 2:57 PM  
Subject: Re: URGENT-INPUT NEEDED: 1002 remarks  
To: Laury Parramore <[laury\\_parramore@fws.gov](mailto:laury_parramore@fws.gov)>  
Cc: Sara Boario <[sara\\_boario@fws.gov](mailto:sara_boario@fws.gov)>, Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>

Hi Laury,

Here is the revised communications document for 1002.

---

Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
(907) 786-3695  
Mobile: (907) 227-4788

Connect with us:



On Wed, May 16, 2018 at 9:37 AM Laury Parramore <[laury\\_parramore@fws.gov](mailto:laury_parramore@fws.gov)> wrote:

Hi Sara and Andrea,  
Attached is a version that has been reviewed by AD-AEA (Barbara) and AD-NWRS (Cynthia). This version reflects their revisions. Would you please address the questions in the comments? Then this can move forward to Greg and/or DOI-OCO.

[Laury Marshall Parramore](#)

**From:** [Bud Cribley](#)  
**To:** [Wendy Loya](#)  
**Subject:** Fwd: Alaska 1002  
**Date:** Monday, May 21, 2018 7:03:03 PM

---

Are you still in the office?

Bud

Sent from my iPhone

Begin forwarded message:

**From:** Aurelia Skipwith <[aurelia\\_skipwith@ios.doi.gov](mailto:aurelia_skipwith@ios.doi.gov)>  
**Date:** May 21, 2018 at 6:14:09 PM EDT  
**To:** [bud\\_cribley@fws.gov](mailto:bud_cribley@fws.gov)  
**Subject:** Alaska 1002

Bud,  
I hope you are doing well.

Charisa mentioned that you are the liaison with BLM. I need a status update of Alaska 1002 exploration and permits. Could provide me with an update, just a few sentences, by 9am tomorrow?

I apologize for the short turnaround. Thank you.

Aurelia Skipwith  
Deputy Assistant Secretary  
for Fish and Wildlife and Parks

U.S. Department of Interior  
1849 C Street NW, Room 3148  
Washington, DC 20240  
202-208-5837

**From:** [Wendy Loya](#)  
**To:** [amee\\_howard@fws.gov](mailto:amee_howard@fws.gov)  
**Subject:** Brief for FWS?  
**Date:** Monday, May 21, 2018 8:39:17 PM

---

Amee,

Did you complete the brief that was requested last week for FWS asking about our work with BLM on the 1002 program, and if so, can you share that with Bud if possible (and you may have shared it with him already).

Thank you

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)

**From:** [Clark, Karen](#)  
**To:** [Andrea Medeiros](#)  
**Cc:** [Gregory Siekaniec](#); [Mitch Ellis](#); [Colligan, Mary](#); [Karen Murphy](#); [Sara Boario](#); [Drew Crane](#); [Wendy Loya](#)  
**Subject:** Re: URGENT-INPUT NEEDED: 1002 remarks  
**Date:** Tuesday, May 22, 2018 9:46:50 AM  
**Attachments:** [Facebook Logo for Email Signature Block.png](#)  
[1002 Communications-EA-NRWS MRE KPC.docx](#)

---

I made a couple minor additional edits. Greg, do you have any additional edits?

Andrea, let's talk about next steps this morning.

Thanks to everyone for their work on this!

Karen

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

On Mon, May 21, 2018 at 3:29 PM, Andrea Medeiros <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)> wrote:

I can take care of all of that once I get everyone's edits.

---

Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
(907) 786-3695  
Mobile: (907) 227-4788

Connect with us:



On Mon, May 21, 2018 at 3:24 PM Greg Siekaniec <[greg\\_siekaniec@fws.gov](mailto:greg_siekaniec@fws.gov)> wrote:

Thank you Mary,

Nice work editing the language. It may be my iPad but there are some edits needed as spaces are missing, double periods, etc.

Greg  
Sent from my iPad

On May 21, 2018, at 6:01 PM, Ellis, Mitch <[mitch\\_ellis@fws.gov](mailto:mitch_ellis@fws.gov)> wrote:

I agree with Mary's comments and added two additional edits. 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

On Mon, May 21, 2018 at 1:59 PM, Colligan, Mary  
<[mary\\_colligan@fws.gov](mailto:mary_colligan@fws.gov)> wrote:

My suggested edits are included in the attached.

On Mon, May 21, 2018 at 10:12 AM, Andrea Medeiros  
<[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)> wrote:

Hi All,

Here is a draft of the communications plan RE 1002. It provides a schedule of meetings, identifies USFWS representatives attending scoping meetings, an opening statement, plan for Refuge website Home page post, and a Q and As.

The schedule of scoping meetings will need to be updated to reflect the change in the date of the Kaktovik meeting.

---

Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
(907) 786-3695  
Mobile: (907) 227-4788

Connect with us:



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

From: Andrea Medeiros <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)>  
Date: Thu, May 17, 2018 at 2:57 PM  
Subject: Re: URGENT-INPUT NEEDED: 1002 remarks  
To: Laury Parramore <[laury\\_parramore@fws.gov](mailto:laury_parramore@fws.gov)>

Cc: Sara Boario <[sara\\_boario@fws.gov](mailto:sara_boario@fws.gov)>, Wendy Loya  
<[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>

Hi Laury,

Here is the revised communications document for 1002.

---

Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
(907) 786-3695  
Mobile: (907) 227-4788

Connect with us:



On Wed, May 16, 2018 at 9:37 AM Laury Parramore  
<[laury\\_parramore@fws.gov](mailto:laury_parramore@fws.gov)> wrote:

Hi Sara and Andrea,  
Attached is a version that has been reviewed by AD-AEA  
(Barbara) and AD-NWRS (Cynthia). This version reflects their  
revisions. Would you please address the questions in the  
comments? Then this can move forward to Greg and/or DOI-  
OCO.

[Laury Marshall Parramore](#)

--

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

<1002 Communications-EA-NRWS MRE.docx>

**From:** [Wendy Loya](#)  
**To:** [Amee Howard](#)  
**Subject:** RE: Information Requested - ANWR 1002 Area Development  
**Date:** Tuesday, May 22, 2018 11:14:12 AM

---

Thanks for distilling this down so nicely 😊

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:** Howard, Amee <[amee\\_howard@fws.gov](mailto:amee_howard@fws.gov)>  
**Sent:** Tuesday, May 22, 2018 9:09 AM  
**To:** Bud Cribley <[bud\\_cribley@fws.gov](mailto:bud_cribley@fws.gov)>  
**Cc:** Karen Clark <[karen\\_clark@fws.gov](mailto:karen_clark@fws.gov)>; Sara Boario <[sara\\_boario@fws.gov](mailto:sara_boario@fws.gov)>; Wendy Loya <[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)>  
**Subject:** Fwd: Information Requested - ANWR 1002 Area Development

Hi Bud,

Hope you are well. We had a inquiry from a Senator through USFWS Division of Budget. They asked for timeline and they asked for a brief summary of background information. As BLM is the lead, I was directed to keep our response general and to be very clear that USFWS is a cooperating agency in the EIS. We provided the language below.

Let me know if you have any questions.  
Thanks so much!  
Amee

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

**From:** Howard, Amee <[amee\\_howard@fws.gov](mailto:amee_howard@fws.gov)>  
**Date:** Thu, May 17, 2018 at 4:02 PM  
**Subject:** Re: Information Requested - ANWR 1002 Area Development  
**To:** "Peters, Kristen" <[kristen\\_peters@fws.gov](mailto:kristen_peters@fws.gov)>, Katherine Spomer <[katherine\\_spomer@fws.gov](mailto:katherine_spomer@fws.gov)>  
**Cc:** Karen Clark <[karen\\_clark@fws.gov](mailto:karen_clark@fws.gov)>, Sara Boario <[sara\\_boario@fws.gov](mailto:sara_boario@fws.gov)>, Mitch Ellis <[mitch\\_ellis@fws.gov](mailto:mitch_ellis@fws.gov)>, Socheata Lor <[socheata\\_lor@fws.gov](mailto:socheata_lor@fws.gov)>

Hi Kristen,

Thank you and Ketti for shepherding this information regarding this inquiry!

Information below that summarizes our engagement in the EIS process.

Following the passage of the Tax Act of 2017, the FWS Alaska Region (FWS), the Bureau of Land Management –Alaska (BLM) and other Alaska federal and state agencies organized to evaluate the possible types of information that might be needed to successfully implement an oil and gas program in the 1002 Area of the Arctic National Wildlife Refuge (Coastal Plain).

BLM is the lead agency in the preparation of the Coastal Plain EIS. FWS is a cooperating agency. At this time a detailed schedule for the EIS has not been released, but EIS process information is available on the project website at [www.blm.gov/alaska/coastal-plain-eis](http://www.blm.gov/alaska/coastal-plain-eis)

The FWS began to meet weekly with BLM in mid-February 2018. The topics of these meetings have included:

- i) developing a Memorandum of Understanding between BLM and FWS with regards to preparation of the Coastal Plain EIS;
- ii) identifying FWS expertise relevant to writing or reviewing the Coastal Plain Leasing EIS;
- iii) organizing information sessions led by BLM to share information with FWS on the NPRA Integrated Activity Plan/EIS and typical activities associated with exploration and development;
- iv) discussion about processes for permits and authorizations under the Marine Mammal Protection Act (MMPA) and Endangered Species Act for polar bears; and
- v) working collaboratively on contacts and logistics for public scoping and Government to Government consultation with affected communities and tribes.

Public scoping meetings begin on May 22. BLM's announced list of meetings are below.

**Kaktovik, AK: Tuesday May 22**

6:30 pm, Community Hall

**Arctic Village, AK: Thursday, May 24**

10:00 am, Community Hall

**Fairbanks: Tuesday May 29**

Carlson Center, 2010 2<sup>nd</sup> Ave.

3:00-4:30pm open house, followed a presentation and comment period until 9:00pm.

**Anchorage: Wednesday May 30**

Dena'ina Center, [600 W. 7<sup>th</sup> Ave.](#)

3:00-4:30pm open house, followed by a presentation and comment period until 9:00pm.

**Utqiagvik: Thursday, May 31**

5:00 pm, Iñupiat Heritage Center

**Venetie: Tuesday, June 12**

10:00 am, Community Hall

**Washington, DC: Friday, June 15**

National Housing Center, 1201 15<sup>th</sup> St., NW

3:00-4:30pm open house, followed by a presentation and comment period until 9:00pm

Let me know if you have any questions.

Thanks so much!

Amee

On Thu, May 17, 2018 at 9:19 AM, Peters, Kristen <[kristen\\_peters@fws.gov](mailto:kristen_peters@fws.gov)> wrote:

Thank you, Amee!

---

Kristen Peters  
Congressional and Legislative Affairs Specialist  
U.S.Fish and Wildlife Service, Southeast Region  
[1875 Century Blvd.](#)  
[Atlanta, Georgia 30345](#)  
o: (404) 679-7172  
c: (404) 430-5778  
[kristen\\_peters@fws.gov](mailto:kristen_peters@fws.gov)

On Thu, May 17, 2018 at 12:50 PM, Howard, Amee <[amee\\_howard@fws.gov](mailto:amee_howard@fws.gov)> wrote:

Hi All,

I will coordinate with the R7 team and get language to Kristen by COB today (AK time).

Thanks so much!  
Amee

On Thu, May 17, 2018 at 7:55 AM, Lor, Socheata <[socheata\\_lor@fws.gov](mailto:socheata_lor@fws.gov)> wrote:

Hi Kristen,  
In thinking more about these requests, should they go to Amee Howard who is our Congressional Affairs liaison? Amee could coordinate responses from all our programs who are involved in coastal plain work in Alaska. We have a regional arctic specialist who is the main point of contact, and also each program has a point of contact.

Amee, please advise how best to respond to these requests. We have received one or two in recent past from Kristen.

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 Thu, May 17, 2018 at 4:24 AM, Peters, Kristen <[kristen\\_peters@fws.gov](mailto:kristen_peters@fws.gov)> wrote:

Hi Mitch and Soch,

The Division of Budget has reached out for our help to respond for a short

turnaround request for an update on ANWR from a Senate staffer. Could you provide Ketti and me with a brief update, including any milestones or a tentative schedule, that we can pass along to the staffer? The Division of Budget would like to respond to this inquiry fairly quickly and have requested an update by COB today. Do you think you could send a brief update by **COB (your time) today**?

Also, I wanted to let you know that the topic of oil and gas development in ANWR was discussed at the Secretary's hearing last week not the FY19 budget. The question and the Secretary's response is copied below. I am sharing for awareness and no action is needed.

**Sen Van Hollen (D-MD) Question:** I would be interested in the scientific data that you believe needs to be collected in order to make a sound decision on drilling in ANWR. There is a lot of concern that process will be short circuited, and it would be very helpful if you would get back to me in writing with the scientific information that you think needs to be gathered in order to make a sound judgement going forward.

**Sec Zinke Response:** We will follow NEPA to the letter of the law, and follow every regulation, policy, etc. I think the American public deserves it.

Thank you for prioritizing this short turnaround request. Let me know if you have any questions or concerns.

Kristen

---

Kristen Peters  
Congressional and Legislative Affairs Specialist  
U.S. Fish and Wildlife Service, Southeast Region  
[1875 Century Blvd.](#)  
[Atlanta, Georgia 30345](#)  
o: (404) 679-7172  
c: (404) 430-5778  
[kristen\\_peters@fws.gov](mailto:kristen_peters@fws.gov)

--

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

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--

***Amee Howard***

*Congressional and State Liaison*

**U.S. Fish & Wildlife Service**

Anchorage, Alaska

Office: (907)786-3509

Mobile: (907)229-8575

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--

***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:** [Drew Crane](#)  
**Subject:** RE: FW: Arctic Refuge Coastal Plain: MOU for Leasing EIS and Project Initiation Letter for Seismic EA  
**Date:** Tuesday, May 22, 2018 11:16:34 AM

---

Drew,

Maybe wait to share the draft further until after today's meeting with RDT, in case they have any overall thoughts on the process.

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:** Crane, Drew <[drew\\_crane@fws.gov](mailto:drew_crane@fws.gov)>  
**Sent:** Monday, May 21, 2018 1:26 PM  
**To:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>  
**Subject:** Re: FW: Arctic Refuge Coastal Plain: MOU for Leasing EIS and Project Initiation Letter for Seismic EA

Hey Wendy,

b5 - DP

I can follow up with Shelly to discuss if you like. Also, is this something we can share with our FBX and MMM offices?

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 Mon, May 21, 2018 at 12:28 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Keeping you two in the loop on the PIL for the seismic EA, Stephanie has been asked to review. Frightening timeline.

Also, the current MOU that BLM will take forth after Stephanie and Tracy had their final look.

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 <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>  
**Sent:** Monday, May 21, 2018 12:27 PM  
**To:** Greg Siekaniec <[greg\\_siekaniec@fws.gov](mailto:greg_siekaniec@fws.gov)>; Karen Clark <[karen\\_clark@fws.gov](mailto:karen_clark@fws.gov)>  
**Subject:** Arctic Refuge Coastal Plain: MOU for Leasing EIS and Project Initiation Letter for Seismic EA

Hi Karen and Greg,

Steve and Joanna at Arctic Refuge have taken the lead on the Coastal Plain Seismic EA, and that process being administered separately at BLM from the Leasing EIS. There is so much to do for both that we do need different leadership, and I will work with Steve and Joanna to make sure the we have regular and consistent communication.

Attached are the 1) Draft Project Initiation Letter for the Seismic EA (PIL\_Seismic EA May 18 2018), which I wanted to share given the exceptionally short time line described...this one will move quickly; and 2) the Draft MOU for the Leasing EIS which has been through reviews by FWS, BLM and the solicitor and is now on its way back to the solicitor via BLM as it moves towards finalization (Draft BLM-FWS MOU 5.15.18).

Karen, I wanted you to have a chance to consider these prior to our meeting tomorrow (Tues 22<sup>nd</sup>).

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)

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

**From:** LaMarr, Sarah <[slamarr@blm.gov](mailto:slamarr@blm.gov)>  
**Date:** Fri, May 18, 2018 at 3:48 PM  
**Subject:** Updated Seismic Project Initiation Letter and Schedule for Review  
**To:** Nichelle Jones <[njones@blm.gov](mailto:njones@blm.gov)>, Steve Berendzen <[steve\\_berendzen@fws.gov](mailto:steve_berendzen@fws.gov)>, Joanna Fox <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)>  
**Cc:** "Wixon, Donna" <[dwixon@blm.gov](mailto:dwixon@blm.gov)>

Please review the updated schedule in the attached PIL. Thanks, s.

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

**From:** [Bud Cribley](#)  
**To:** [Howard, Amee](#)  
**Cc:** [Karen Clark](#); [Sara Boario](#); [Wendy Loya](#)  
**Subject:** Re: Information Requested - ANWR 1002 Area Development  
**Date:** Tuesday, May 22, 2018 12:00:04 PM

---

Thank you for sharing and your response looks good.

Bud

Sent from my iPhone

On May 22, 2018, at 1:09 PM, Howard, Amee <[amee\\_howard@fws.gov](mailto:amee_howard@fws.gov)> wrote:

Hi Bud,

Hope you are well. We had a inquiry from a Senator through USFWS Division of Budget. They asked for timeline and they asked for a brief summary of background information. As BLM is the lead, I was directed to keep our response general and to be very clear that USFWS is a cooperating agency in the EIS. We provided the language below.

Let me know if you have any questions.

Thanks so much!

Amee

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

**From:** **Howard, Amee** <[amee\\_howard@fws.gov](mailto:amee_howard@fws.gov)>

**Date:** Thu, May 17, 2018 at 4:02 PM

**Subject:** Re: Information Requested - ANWR 1002 Area Development

**To:** "Peters, Kristen" <[kristen\\_peters@fws.gov](mailto:kristen_peters@fws.gov)>, Katherine Spomer <[katherine\\_spomer@fws.gov](mailto:katherine_spomer@fws.gov)>

**Cc:** Karen Clark <[karen\\_clark@fws.gov](mailto:karen_clark@fws.gov)>, Sara Boario <[sara\\_boario@fws.gov](mailto:sara_boario@fws.gov)>, Mitch Ellis <[mitch\\_ellis@fws.gov](mailto:mitch_ellis@fws.gov)>, Socheata Lor <[socheata\\_lor@fws.gov](mailto:socheata_lor@fws.gov)>

Hi Kristen,

Thank you and Ketti for shepherding this information regarding this inquiry!

Information below that summarizes our engagement in the EIS process.

Following the passage of the Tax Act of 2017, the FWS Alaska Region (FWS), the Bureau of Land Management –Alaska (BLM) and other Alaska federal and state agencies organized to evaluate the possible types of information that might be needed to successfully implement an oil and gas program in the 1002 Area of the Arctic National Wildlife Refuge (Coastal Plain).

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Thanks so much!

Amee

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Thank you, Amee!

---

Kristen Peters  
Congressional and Legislative Affairs Specialist  
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o: (404) 679-7172  
c: (404) 430-5778  
[kristen\\_peters@fws.gov](mailto:kristen_peters@fws.gov)

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**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](#)*

~~~~~

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Kristen

---

Kristen Peters  
Congressional and Legislative Affairs Specialist  
U.S. Fish and Wildlife Service, Southeast Region  
[1875 Century Blvd.](#)  
[Atlanta, Georgia 30345](#)  
o: (404) 679-7172  
c: (404) 430-5778  
[kristen\\_peters@fws.gov](mailto:kristen_peters@fws.gov)

--

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

U.S. Fish & Wildlife Service

Anchorage, Alaska

Office: (907)786-3509

Mobile: (907)229-8575

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**From:** [Andrea Medeiros](#)  
**To:** [Karen Clark](#); [Howard, Amee](#); [Sara Boario](#); [Gregory Siekaniec](#); [Mitch Ellis](#); [Colligan, Mary](#); [Berendzen, Steve](#); [Joanna Fox](#); [Wendy Loya](#)  
**Subject:** 1002 communications - edits incorporated  
**Date:** Tuesday, May 22, 2018 1:18:32 PM  
**Attachments:** [1002 Communications-EA-NRWS MRE KPC KM.docx](#)  
[Facebook Logo for Email Signature Block.png](#)

---

Here is the next iteration with edits accepted.

---

Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
(907) 786-3695  
Mobile: (907) 227-4788

Connect with us:



**From:** [Google Calendar](#) on behalf of [Miriam \(Nicole\) Hayes](#)  
**To:** [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)  
**Subject:** Coastal Plain EIS Alternatives Workshop  
**Start:** Monday, July 9, 2018 10:00:00 AM  
**End:** Tuesday, July 10, 2018 10:00:00 AM  
**Location:** BLM-AK SO Denali Room  
**Attachments:** [invite.ics](#)

---

more details at **65 - CIP**

Coastal Plain EIS Alternatives Workshop

This is a SAVE THE DATE for the alternatives development workshop we will be having July 9-12, at the BLM State Office in Anchorage. This will be an in-person meeting only. Decisions will be made regarding drafting of the alternatives so it is expected participants are 1) able to make decisions/represent their respective areas of expertise or agency; and 2) prepared to provide productive input into the alternative development process. An AGENDA will be forthcoming.

Thank you!

When  
Daily at 8am Alaska Time  
Where  
BLM-AK SO Denali Room (map <[https://maps.google.com/maps?q=BLM-AK SO Denali Room&hl=en](https://maps.google.com/maps?q=BLM-AK+SO+Denali+Room&hl=en)> )  
Video call

**65 - CIP**

[wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov)  
Who  
(Guest list has been hidden at organizer's request)

Going? All events in this series:

**65 - CIP**

Invitation from Google Calendar <<https://www.google.com/calendar/>>

You are receiving this email at the account [wendy\\_loya@fws.gov](mailto:wendy_loya@fws.gov) because you are subscribed for invitations on calendar [wendy\\_loya@fws.gov](mailto: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 <<https://support.google.com/calendar/answer/37135#forwarding>> .

**From:** [O'Dell, Patrick](#)  
**To:** [Wendy Loya](#)  
**Subject:** Re: Internal Meeting - 1002 Leasing EIS Alternative  
**Date:** Wednesday, May 23, 2018 10:42:52 AM

---

Thanks Wendy. Travel approved so I will plan on that.

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](mailto:patrick_odell@fws.gov)

On Wed, May 23, 2018 at 10:26 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi Patrick,

Those are the dates for sure, in Fairbanks! Sorry I didn't get back to you with an invite, lots going on here but hope to get the calendar invites with more info out today.

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:** O'Dell, Patrick <[patrick\\_odell@fws.gov](mailto:patrick_odell@fws.gov)>  
**Sent:** Wednesday, May 23, 2018 8:04 AM  
**To:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>  
**Subject:** Internal Meeting - 1002 Leasing EIS Alternative

Hi Wendy,

I am seeking the nod to attend - don't think it will be a problem. Was wondering if the June 19th and 20th have been set, or still floating. Trying to schedule some other things is all.

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](mailto:patrick_odell@fws.gov)

**From:** [Andrea Medeiros](#)  
**To:** [Wendy Loya](#); [Karen Murphy](#); [Mitch Ellis](#); [Berendzen, Steve](#); [Joanna Fox](#); [Karen Clark](#)  
**Subject:** Re: 1002 communications - edits incorporated  
**Date:** Wednesday, May 23, 2018 11:22:55 AM  
**Attachments:** [Facebook Logo for Email Signature Block.png](#)  
[Facebook Logo for Email Signature Block.png](#)

---

Greg brought to my attention in his email below that one of the sentences in the response to question #4 didn't read right. Would the following changes work?

The purpose of the EIS is to identify alternative ways of leasing lands on the Coastal Plain of the Arctic National Wildlife Refuge and determine [what] the **potential** impacts of these alternatives on the environment.

Did we have BLM take a look at our Qs and As?

---

Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
(907) 786-3695  
Mobile: (907) 227-4788

Connect with us:



On Tue, May 22, 2018 at 11:37 AM Greg Siekaniec <[greg\\_siekaniec@fws.gov](mailto:greg_siekaniec@fws.gov)> wrote:  
Andrea,

Thank you for working on this comms statement. Under the Q&A section #4 answer there is either a word missing or a word that needs to be removed to make it read correct.

Otherwise, reading well.

Greg

Sent from my iPhone

On May 22, 2018, at 2:17 PM, Andrea Medeiros <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)> wrote:

Here is the next iteration with edits accepted.

---

Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist

(907) 786-3695  
Mobile: (907) 227-4788

Connect with us:



<1002 Communications-EA-NRWS MRE KPC KM.docx>

<Facebook\_Logo for Email Signature Block.png>

<twitter-icon Signature Block.jpg>

**From:** [Ellis, Mitch](#)  
**To:** [Andrea Medeiros](#)  
**Cc:** [Wendy Loya](#); [Karen Murphy](#); [Berendzen, Steve](#); [Joanna Fox](#); [Karen Clark](#); [Gregory Siekaniec](#)  
**Subject:** Re: 1002 communications - edits incorporated  
**Date:** Wednesday, May 23, 2018 12:51:23 PM  
**Attachments:** [Facebook Logo for Email Signature Block.png](#)

---

I certainly don't mind the BLM reviewing our communications documents for fatal flaw errors, etc. and that might be useful. But if these are talking points for us to be consistent at scoping meetings and other venues, we are on solid ground developing our own messages. Obviously, they just need to be factual and consistent with the administration's policies.

---

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

On Wed, May 23, 2018 at 9:22 AM, Andrea Medeiros <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)> wrote:

Greg brought to my attention in his email below that one of the sentences in the response to question #4 didn't read right. Would the following changes work?

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Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
(907) 786-3695  
Mobile: (907) 227-4788

Connect with us:



On Tue, May 22, 2018 at 11:37 AM Greg Siekaniec <[greg\\_siekaniec@fws.gov](mailto:greg_siekaniec@fws.gov)> wrote:

Andrea,

Thank you for working on this comms statement. Under the Q&A section #4 answer there is either a word missing or a word that needs to be removed to make it read correct.

Otherwise, reading well.

Greg

Sent from my iPhone

On May 22, 2018, at 2:17 PM, Andrea Medeiros <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)> wrote:

Here is the next iteration with edits accepted.

---

Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
(907) 786-3695  
Mobile: (907) 227-4788

Connect with us:



<1002 Communications-EA-NRWS MRE KPC KM.docx>

<Facebook\_Logo for Email Signature Block.png>

<twitter-icon Signature Block.jpg>

**From:** [Joanna Fox](#)  
**To:** [Andrea Medeiros](#)  
**Cc:** [Wendy Loya](#); [Karen Murphy](#); [Mitch Ellis](#); [Steve Berendzen](#); [Karen Clark](#)  
**Subject:** Re: 1002 communications - edits incorporated  
**Date:** Wednesday, May 23, 2018 1:24:24 PM  
**Attachments:** [Facebook Logo for Email Signature Block.png](#)

---

I agree with Mitch. I also believe we intended to use language taken directly from BLM's vetted outreach materials for statements that apply directly to the EIS and the development of an oil and gas program. Wendy - can you confirm that's where this language came from?

---

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

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

On Wed, May 23, 2018 at 9:22 AM Andrea Medeiros <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)> wrote:  
Greg brought to my attention in his email below that one of the sentences in the response to question #4 didn't read right. Would the following changes work?

The purpose of the EIS is to identify alternative ways of leasing lands on the Coastal Plain of the Arctic National Wildlife Refuge and determine [what] the **potential** impacts of these alternatives on the environment.

Did we have BLM take a look at our Qs and As?

---

Andrea Medeiros  
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Mobile: (907) 227-4788

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On Tue, May 22, 2018 at 11:37 AM Greg Siekaniec <[greg\\_siekaniec@fws.gov](mailto:greg_siekaniec@fws.gov)> wrote:  
Andrea,

Thank you for working on this comms statement. Under the Q&A section #4 answer there

is either a word missing or a word that needs to be removed to make it read correct.

Otherwise, reading well.

Greg

Sent from my iPhone

On May 22, 2018, at 2:17 PM, Andrea Medeiros <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)> wrote:

Here is the next iteration with edits accepted.

---

Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
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(907) 786-3695  
Mobile: (907) 227-4788

Connect with us:



<1002 Communications-EA-NRWS MRE KPC KM.docx>

<Facebook\_Logo for Email Signature Block.png>

<twitter-icon Signature Block.jpg>

**From:** [Trawicki, John](#)  
**To:** [Lor, Socheata](#); [Wendy Loya](#); [Karen Murphy](#); [Mitch Ellis](#)  
**Subject:** Re: chat about 1002 budget stuff?  
**Date:** Wednesday, May 23, 2018 2:22:37 PM

---

Could you please provide a list of I&M funded projects/amount for FY-2018 for Arctic Refuge: The below list is from the EFN exercise, you may have other projects outside the EFN list. I know not all of these were funded this year. Are there other projects.

Vegetation Sampling (Janet's work): \$47k  
Caribou (long-term use/antler): \$30k  
Fox Population: \$47k  
eDNA for lakes: not funded

USGS stream gaging Hulahula River: \$25k (Water Resource Funded FY2017 will likely fund in 2018)

john t



john t

On Wed, May 23, 2018 at 9:02 AM, Lor, Socheata <[socheata\\_lor@fws.gov](mailto:socheata_lor@fws.gov)> wrote:

FYI, John.  
You might be pulled into this discussion.

### 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](mailto:Wendy_loya@fws.gov)>  
**Date:** Wed, May 23, 2018 at 8:49 AM  
**Subject:** chat about 1002 budget stuff?  
**To:** Mitch Ellis <[mitch\\_ellis@fws.gov](mailto:mitch_ellis@fws.gov)>, Mary Colligan <[mary\\_colligan@fws.gov](mailto:mary_colligan@fws.gov)>  
**Cc:** Karen Murphy <[karen\\_a\\_murphy@fws.gov](mailto:karen_a_murphy@fws.gov)>, Socheata Lor <[socheata\\_lor@fws.gov](mailto:socheata_lor@fws.gov)>

HI Mitch and Mary,

OSA needs to indicate which 1002 projects we will be funding by tomorrow morning. I'd like to go through the Operations Plan list with Refuges and FES, probably including John T who helped coordinate IM and Arctic Refuge research plans. The only time I really have open today is 10-1130, but maybe we can include a brief discussion at the end of our 2-3 pm meeting with Greg and Karen?

Thanks,

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)

--

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:** [Wendy Loya](#)  
**To:** [Lucille Frerich](#)  
**Subject:** Request for extended meeting time with Greg, Karen and others on June 29th 10-11 am  
**Date:** Thursday, May 24, 2018 11:52:12 AM

---

Hi Lucille,

I would like to reserve additional time for the 1002 Coastal Plain Coordination meeting in the Mary Smith Conference Room on June 29<sup>th</sup>, extending to 11am. We will need additional time to have an in-depth discussion with RDT members on the outcomes of a June 19-20<sup>th</sup> meeting among staff on Alternatives, Stipulations and BMPs and work towards finalization of the information FWS will take to the BLM Leasing EIS Alternatives workshop to be held on July 9-12th.

Can you help me add an hour to that one occurrence? Feel free to call to discuss if I am not providing enough info 😊

Wendy x3532

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:** [Joanna Fox](#)  
**To:** [Stephen Arthur](#); [Christopher Latty](#); [Burkart, Greta](#); [Hollis Twitchell](#); [Jennifer Reed](#); [Roger Kaye](#); [Joshua Rose](#); [Swem, Ted](#); [Erin Carver](#); [Patrick O'Dell](#); [Edward Decleva](#); [Brown, Randy](#)  
**Cc:** [Steve Berendzen](#); [Sarah Conn](#); [Lynnda Kahn](#); [Wendy Loya](#); [stephanie brady](#)  
**Subject:** Re: Draft Seismic Exploration EA - Affected Environment  
**Date:** Thursday, May 24, 2018 2:05:35 PM

---

We've learned that the new projected (still not final) timeline has moved the deadline for completing the draft Affected Environment chapter back to Friday, June 1. I know many of you have already made significant progress on your sections, so I'm optimistic we're going to be in a pretty good place. It's my understanding we're still going to receive some more "official" guidance from BLM, but I wanted to get this information out to you in the event we don't get that yet this week.

Please feel free to give me a call if you have any questions.

Thank you,  
Joanna

---

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

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

On Wed, May 16, 2018 at 3:01 PM Joanna Fox <[joanna\\_fox@fws.gov](mailto:joanna_fox@fws.gov)> wrote:

Good morning,

If you are receiving this message, you have either been identified as a lead member of the FWS Seismic Exploration Interdisciplinary Team, or as someone who has expertise that can assist in the development and review of the Environmental Assessment (EA) to analyze the impacts of seismic exploration in the Coastal Plain of the Arctic Refuge.

Specifically, BLM is tasking the FWS team with the responsibility for writing Chapter 3 of the EA (Existing Condition, or what we usually refer to as the Affected Environment). The current proposed timeline has us drafting this Chapter from May 16 (today) through May 25. We anticipate the timeline is going to get bumped back, but not significantly. Therefore, we believe it is imperative that we start our work on this project immediately.

To expedite and make this task as simple as possible, we propose we use the Draft Affected Environment chapter that was prepared last fall when we were tasked with changing the regulations for geological exploration of the 1002 area as a template. We are asking each of you to edit that document as you deem appropriate for this new proposed activity. Please edit and add comments to the [Google Doc](#) where you have subject matter expertise. We will

consider this our working draft. Also - if you feel there are Affected Environment categories that are missing, please add them where you think appropriate (for example: it may be worth adding special designations like Wild & Scenic Rivers and Marine Protected Areas).

As you work, please keep in mind that under the new Department NEPA direction, complex EAs will be required to be less than 50 pages in length (appendices are not included in the total page numbers). For this task, you should include the level of detail you deem appropriate for the resource you have expertise about, recognizing that you will be tasked with providing a summary of that resource for the body of the EA.

Thanks much for your assistance with this project! If you have any questions or need additional clarification, please let me know.

Joanna

---

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

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[www.facebook.com/arcticnationalwildliferefuge](http://www.facebook.com/arcticnationalwildliferefuge)

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

**From:** [Patton, Eva](#)  
**To:** [Steve Berendzen](#); [Hollis Twitchell](#); [Joanna Fox](#); [Arthur, Stephen](#)  
**Cc:** [Wendy Loya](#); [Carl Johnson](#); [Joshua Ream](#)  
**Subject:** Re: North Slope RAC to hold follow up teleconference June 8 - BLM NPR-A and 1002 updates  
**Date:** Thursday, May 24, 2018 5:17:23 PM

---

Hi all,

I wanted to follow up with you on the "follow up" North Slope RAC meeting. I just talked with Council Chair Gordon Brower this afternoon and he expressed to keep the meeting simple to focus on the BLM NPR-A information and discussion from the Winter meeting that they wanted to further address but not get into the 1002 scoping since there are ample public scoping meetings in the region that will be occurring around that time that Council members have an opportunity to participate in if they wish.

Gordon did want to share for everyone's awareness that there was a big North Slope Borough meeting already scheduled to be held in Anchorage on June 12th - the new Kaktovik public scoping meeting date selected and that some of the Kaktovik leadership had already planned to be in Anchorage on that date. Hard to find meeting dates that work for all I know! We've been trying to get to this follow up RAC meeting for some time now.

Do let me know if you have any questions.

Thanks again

Eva

On Wed, May 23, 2018 at 10:51 AM, Patton, Eva <[eva\\_patton@fws.gov](mailto:eva_patton@fws.gov)> wrote:

Hi Steve,

I talked with Hollis and Wendy and wanted to let you know we have been trying to schedule a follow up teleconference for the North Slope RAC for further updates and discussion on BLM NPR-A developments requested at their winter 2018 meeting. The meeting had gotten pushed back due to other public hearing and meetings for Special Action requests that took precedence on a tight timeline so we finally were able to set June 8th for the North Slope RAC follow up teleconference and this ends up within the Scoping public comment period for the 1002 area.

BLM staff were key to providing information for the Council at this follow up meeting and are scheduled to present information and updates on both NPR-A and the 1002 area but still want to make sure Arctic National Wildlife Refuge staff have an opportunity to participate as questions may arise specific to the Refuge and the Porcupine Caribou Herd.

Realize now that this meeting got pushed back into June that we are well into the field season and many people are quite busy or out of the office. Do let me know if I can be of any assistance for the Refuge participation in this meeting if that is an option.

The two week public notice official News Release for the meeting is expected to go out this Thursday or Friday.

Thank you

0000008205

Eva

--

Eva Patton  
Subsistence Council Coordinator

U.S. Fish & Wildlife Service  
Office of Subsistence Management  
1011 East Tudor Road, MS 121  
Anchorage, AK 99503-6199  
Tel: (907) 786-3358 Fax: (907) 786-3898  
1-800-478-1456  
[email:eva\\_patton@fws.gov](mailto:eva_patton@fws.gov)

--

Eva Patton  
Subsistence Council Coordinator

U.S. Fish & Wildlife Service  
Office of Subsistence Management  
1011 East Tudor Road, MS 121  
Anchorage, AK 99503-6199  
Tel: (907) 786-3358 Fax: (907) 786-3898  
1-800-478-1456  
[email:eva\\_patton@fws.gov](mailto:eva_patton@fws.gov)

**From:** [Wendy Loya](#)  
**To:** [Perdue, Margaret](#)  
**Subject:** Re: Talked to Andy this morning - hopefully he sent you an email...  
**Date:** Thursday, May 24, 2018 6:37:42 PM

---

I didn't get it, looked in spam also. Thanks for following up!

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 May 24, 2018, at 16:22, Perdue, Margaret <[margaret\\_perdue@fws.gov](mailto:margaret_perdue@fws.gov)> wrote:

Hi Wendy --

I talked to Andy and he said he could send an estimated amount for the 1002 area , he was going to send it to you and cc me - hopefully you got it? I didn't get cc'd if you did so if you can forward that would be great if you didn't get anything let me know and i can follow up tomorrow.

thanks

--

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

**From:** [Crane, Drew](#)  
**To:** [Wendy Loya](#)  
**Subject:** Re: Important note about Internal Alternatives Workshop invitation  
**Date:** Friday, May 25, 2018 3:21:56 PM

---

Hey Wendy,

b5-DP



Thanks  
Drew

On Fri, May 25, 2018 at 1:08 PM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

Hi POCs,

This invite went out today to the FWS [primary resource leads](#) for the Arctic Refuge Coastal Plain Leasing EIS Alternatives workshop. Please share with other support staff that you may want engaged. A few thoughts below:

Eric, I did not include all of the staff from MBM that are listed as experts, I included only you and Rick Lanctot, but not Jim Johnson, Steve Lewis, Michael Swaim, Julian Fischer. We need expertise to represent habitat use for all bird groups, so please help us make sure we have the right person or people to convey the best information. Paul Leonard will follow up to ensure we have relevant spatial data in our combined resources database.

Drew: I invited Ryan Wilson for polar bears; and would like to include Ted Swem and Louis Smith for their long-standing experience with oil and gas on north slope. Please invite them and/or Christopher/Kim as you all see appropriate.

John: I included Jon Martin as he is on Cumulative Effects, but did not include Stephanie and Tracy. Of course would be great to have them there if that fits with NWRS wishes. And anyone else you would like to include.

Thank you, happy to answer any questions,

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:** [Paul Leonard](#); [Elizabeth Powers](#); [Scott Guyer](#)  
**Subject:** FW: Land Cover SOW  
**Date:** Tuesday, May 29, 2018 12:58:58 PM  
**Attachments:** [1002-LandCoverMapSOW-Draft\\_MAY29.docx](#)

---

Thanks Scott! Forwarding to Paul and Elizabeth who will be in the discussion tomorrow. I have the same conf room reserved at FWS for tomorrow, and we can use the conf line or just call Paul directly

**From:** Guyer, Scott <[sguyer@blm.gov](mailto:sguyer@blm.gov)>  
**Sent:** Tuesday, May 29, 2018 10:56 AM  
**To:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>  
**Subject:** Land Cover SOW

Wendy- I am still looking this over but thought I would send along the latest version. Please review in preparation for our meeting tomorrow. If you have any questions a head of time let me know!

--

**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:** [Mary Colligan](#)  
**Cc:** [Mitch Ellis](#); [Karen Murphy](#); [Socheata Lor](#)  
**Subject:** RE: chat about 1002 budget stuff?  
**Date:** Tuesday, May 29, 2018 3:32:41 PM

---

Hi Mary,

I am working with Refuges on updating the spreadsheet with their latest projects, costs and likely funding sources, and hope to have that together by soon. Regardless, OSA and Refuges have planned commitments greater than the \$600K each. Soch said Refuges is having budget meeting on Thursday.

It would probably be worthwhile for our three divisions to discuss anything that does not have funding commitments yet to determine how to prioritize as we look at what money might be available for science we want to start in 2018 or early 2019. We could do that early next week?

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:** Colligan, Mary <[mary\\_colligan@fws.gov](mailto:mary_colligan@fws.gov)>  
**Sent:** Friday, May 25, 2018 7:40 PM  
**To:** Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)>  
**Cc:** Mitch Ellis <[mitch\\_ellis@fws.gov](mailto:mitch_ellis@fws.gov)>; Karen Murphy <[karen\\_a\\_murphy@fws.gov](mailto:karen_a_murphy@fws.gov)>; Socheata Lor <[socheata\\_lor@fws.gov](mailto:socheata_lor@fws.gov)>  
**Subject:** Re: chat about 1002 budget stuff?

Wendy - Could you please let me know what projects OSA intends to support with its \$600K and, if you know, what projects Refuges intends to support with its \$600K?

Thanks

On Wed, May 23, 2018 at 8:49 AM, Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

HI Mitch and Mary,

OSA needs to indicate which 1002 projects we will be funding by tomorrow morning. I'd like to go through the Operations Plan list with Refuges and FES, probably including John T who helped coordinate IM and Arctic Refuge research plans. The only time I really have open today is 10-1130, but maybe we can include a brief discussion at the end of our 2-3 pm meeting with Greg and Karen?

Thanks,  
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)

--

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:** [Joanna Fox](#)  
**To:** [Wendy Loya](#)  
**Cc:** [Steve Berendzen](#)  
**Subject:** Re: FES POC for Seismic EA  
**Date:** Wednesday, May 30, 2018 1:47:05 PM

---

Sounds good - thanks for the heads up. We'll ensure she's invited to the weekly FWS/BLM EA meetings.

---

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

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[www.facebook.com/arcticnationalwildliferefuge](http://www.facebook.com/arcticnationalwildliferefuge)

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

On Wed, May 30, 2018 at 11:44 AM Wendy Loya <[Wendy\\_loya@fws.gov](mailto:Wendy_loya@fws.gov)> wrote:

FYI, see the note below on coordinating on with FES. It sounds like they have determined how to coordinate communications between Drew and Sarah.

2. Given her location and familiarity with the BLM staff in FBX, Sarah Conn will be the POC for the seismic EA for ES. She and I will continue to coordinate on the project, but BLM and refuge staff are encouraged to work with her as questions or issues come up. Christopher Putnam will continue to coordinate with BLM and SAE on the ITR application.

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:** [Shire, Gavin](#)  
**To:** [Ellis, Mitch](#)  
**Cc:** [Lor, Socheata](#); [Wendy Loya](#); [Andrea Medeiros](#); [Doug Damberg](#); [Paul Ross](#); [Barbara Wainman](#)  
**Subject:** Re: WaPo wants comment on a permit for seismic activity in the 1002  
**Date:** Thursday, May 31, 2018 9:53:41 AM

---

The [Post article](#) published this morning referencing the FWS response in detail. I am now getting calls from other reporters (E&E, Washington Examiner) asking for copies or to confirm its existence. What can I say here? Clearly something exists, but no one seems to know about it. Really need to get to the bottom of this one!

G

Gavin Shire  
Chief of Public Affairs  
U.S. Fish and Wildlife Service  
MS: EA  
5275 Leesburg Pike  
Falls Church, VA 22041-3803  
703-358-2649 (o)  
703-346-9123 (c)  
[gavin\\_shire@fws.gov](mailto:gavin_shire@fws.gov)

On Wed, May 30, 2018 at 4:49 PM, Ellis, Mitch <[mitch\\_ellis@fws.gov](mailto:mitch_ellis@fws.gov)> wrote:

Gavin - I don't know of any 18-page response from the government to SAE? Maybe the BLM or ASLM drafted or sent a response? Communication has been scattered on this. The only involvement FWS has in the seismic application to my knowledge is helping the BLM draft the EA and some MMPA/ESA compliance work. The BLM has the lead on this per the "tax act." Hope this helps.

---

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

On Wed, May 30, 2018 at 12:34 PM, Andrea Medeiros <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)> wrote:

See E-mail below from Gavin Shire, Chief of External Affairs in HQ. He got a call from a reporter with the Washington Post about a permit request from the Kuukpic Corporation for seismic work in the 1002 Area. The reporter claims to have an 18-page response leaked from us. He is requesting some additional information.

Wouldn't the BLM be the one handling permit applications for seismic work in the 1002?

---

Andrea Medeiros  
U.S. Fish and Wildlife Service,  
Alaska Region, External Affairs **tEAm**  
Public Affairs Specialist  
(907) 786-3695

Mobile: (907) 227-4788

Connect with us:



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

From: Shire, Gavin <[gavin\\_shire@fws.gov](mailto:gavin_shire@fws.gov)>

Date: Wed, May 30, 2018 at 12:23 PM

Subject: WaPo wants comment on a permit for seismic activity in the 1002

To: Andrea Medeiros <[andrea\\_medeiros@fws.gov](mailto:andrea_medeiros@fws.gov)>, Sara Boario <[sara\\_boario@fws.gov](mailto:sara_boario@fws.gov)>

Steve Mufson, 202-334-6414

The application is from S.A.Xplorations, the Arctic Slope Corp. and Kaktovic Inupiat Corp. (together the Kuukpic Corp) for the Marsh Creek Plan.

Reporter has a leaked 18-page response that he wants either verified or some official response from us and also to know whether we have received any other applications for seismic exploration in the 1002.

His deadline is today!

Hoping you can help craft a response,

G

Gavin Shire  
Chief of Public Affairs  
U.S. Fish and Wildlife Service  
MS: EA  
[5275 Leesburg Pike](#)  
[Falls Church, VA 22041-3803](#)  
703-358-2649 (o)  
703-346-9123 (c)  
[gavin\\_shire@fws.gov](mailto:gavin_shire@fws.gov)

**From:** [Cribley, Bud](#)  
**To:** [Kathleen Clark](#); [Wendy Loya](#)  
**Subject:** Fwd: 1002 statement  
**Date:** Thursday, May 31, 2018 12:21:48 PM

---

FYI

Bud

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

**From:** **Barbara Wainman** <[barbara\\_wainman@fws.gov](mailto:barbara_wainman@fws.gov)>  
**Date:** Thu, May 31, 2018 at 2:01 PM  
**Subject:** Fwd: 1002 statement  
**To:** Greg Sheehan <[greg\\_j\\_sheehan@fws.gov](mailto:greg_j_sheehan@fws.gov)>, Bud Cribley <[bud\\_cribley@fws.gov](mailto:bud_cribley@fws.gov)>, Jim Kurth <[jim\\_kurth@fws.gov](mailto:jim_kurth@fws.gov)>, Steve Guertin <[stephen\\_guertin@fws.gov](mailto:stephen_guertin@fws.gov)>, Charisa Morris <[charisa\\_morris@fws.gov](mailto:charisa_morris@fws.gov)>

The DOI approved statement we will be using in reference to the WaPO article I think you all have seen.

Barbara W. Wainman  
Assistant Director, External Affairs  
US Fish and Wildlife Service  
(202) 208-5256 (office)  
(571) 471-4159 (cell)

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

**From:** Shire, Gavin <[gavin\\_shire@fws.gov](mailto:gavin_shire@fws.gov)>  
**Date:** Thu, May 31, 2018 at 2:00 PM  
**Subject:** 1002 statement  
**To:** Barbara Wainman <[barbara\\_wainman@fws.gov](mailto:barbara_wainman@fws.gov)>

There are no public documents to share at this time. However, such responses are part of a normal, iterative process whereby we work collaboratively with both the permit applicant and our sister federal agencies to identify shortcomings or gaps in information in the application so that we can fully and appropriately evaluate it.

G

Gavin Shire  
Chief of Public Affairs  
U.S. Fish and Wildlife Service  
MS: EA  
[5275 Leesburg Pike](#)  
[Falls Church, VA 22041](#)-3803

0000008217

703-358-2649 (o)  
703-346-9123 (c)  
[gavin\\_shire@fws.gov](mailto:gavin_shire@fws.gov)

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**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](mailto:bud_cribley@fws.gov)**

**From:** [Leonard, Paul](#)  
**To:** [Wendy Loya](#)  
**Subject:** State Tundra Travel Guidance  
**Date:** Thursday, May 31, 2018 5:52:18 PM  
**Attachments:** [20171101\\_ANWRHearingInfoRequest\\_DMLW.pdf](#)

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Hey Wendy,

Melissa sent me this today and it appears to be the most concise look at their typical procedure. Should be helpful.

--

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

**From:** [Burkart, Greta](#)  
**To:** [Paul Leonard](#); [Wendy Loya](#)  
**Subject:** draft stipulations for water resources  
**Date:** Thursday, May 31, 2018 5:58:33 PM  
**Attachments:** [PotentialStipsAndBMPsArcticRefuge.xlsx](#)

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Hi Wendy and Paul,

Based on the value of water resources in the 1002 area, I came up with draft stipulations for water resources (attached).

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](mailto:greta_burkart@fws.gov)  
[www.facebook.com/arcticnationalwildliferefuge](http://www.facebook.com/arcticnationalwildliferefuge)