

To: Fischbach, Tracy[tracy_fischbach@fws.gov]; Ryan Wilson[ryan_r_wilson@fws.gov]; Christopher Putnam[christopher_putnam@fws.gov]; Wendy Loya[wendy_loya@fws.gov]; McCaffery, Brian[brian_mccaffery@fws.gov]; Martin, John[john_w_martin@fws.gov]; Peter Wikoff[peter_wikoff@fws.gov]; Margaret Perdue[margaret_perdue@fws.gov]; John Trawicki[john_trawicki@fws.gov]; Decleva, Edward[edward_deCleva@fws.gov]; Greta Burkart[greta_burkart@fws.gov]; Kaye, Roger[roger_kaye@fws.gov]; Sheila Dufford[sheila_dufford@fws.gov]; Nicole Gustine[nicole_gustine@fws.gov]; Stephanie Brady[stephanie_brady@fws.gov]; Boario, Sara[sara_boario@fws.gov]; Andrea Medeiros[andrea_medeiros@fws.gov]
Cc: Doug Damberg[doug_damberg@fws.gov]; Lor, Socheata[socheata_lor@fws.gov]; Berendzen, Steve[steve_berendzen@fws.gov]; Ellis, Mitch[mitch_ellis@fws.gov]; Karen Clark[karen_clark@fws.gov]
From: Siekaniec, Greg
Sent: 2017-11-22T15:41:28-05:00
Importance: Normal
Subject: Thank You
Received: 2017-11-22T15:41:34-05:00

I want to extend a very sincere thank you for your help in pulling together information for the Arctic National Wildlife Refuge Coastal Plain Regulation Environmental Assessment. I recognize this is not a preferred task for many; however, your professionalism stands tall in responding to the short turn around request for us to suddenly "beef up" many of the sections with new information that was not necessarily part of the original environmental reviews of the 1980's.

I cannot predict where this will head or what time-frame it will be assigned in the Department. I have been asked by a few as to "what's next"? I hope to hear more from the Directors office on the matter and will provide updates should I learn anything about timing, further requests, and/or general thoughts about process. All discussions still center around the perspective that the National Environmental Policy Act will be followed should the dates for submitting a request for an exploration permit be changed via this process of rule making.

I know several of you put in long hours, extra hours, and had to cancel or change your personal plans to help pull this together. Thank you... I'm so fortunate to be in public service with such a remarkable group of professionals. You all give me reason to pause and think of the meaning of our Thanksgiving Holiday. I, for one, will be celebrating Thanksgiving with you all on "top of mind".

I trust you will all find time to celebrate with family, friends and/or a visit to your special place.

Best to you all,

Greg

To: Sarena Selbo[sarena_selbo@fws.gov]
Cc: wendy_loya@fws.gov[wendy_loya@fws.gov]
From: Paul Leonard
Sent: 2017-12-27T15:03:18-05:00
Importance: Normal
Subject: Re: Coastal Plain 1002 Area Interagency Interdisciplinary Team Conference
Received: 2017-12-27T15:03:25-05:00

Thanks Sarena,
Wendy and myself are both on the invite chain.

May be a good opportunity for us to enrich the conversation about expanding the den modeling work or finding ways to collect more MET data in 1002. 2 hours should allow plenty of time to explore ideas but we could also meet as a team before to flesh it out.

Paul Leonard, PhD
Science Coordinator
Arctic Landscape Conservation Cooperative
101 12th Ave. Room 216
Fairbanks, AK 99709
(907) 456-0445

On Dec 27, 2017, at 2:56 PM, Sarena Selbo <sarena_selbo@fws.gov> wrote:

Begin forwarded message:

From: "Martin, John" <john_w_martin@fws.gov>
Date: December 27, 2017 at 10:42:55 AM AKST
To: John Trawicki <john_trawicki@fws.gov>, John Pearce <jpearce@usgs.gov>, Aimee Devaris <adevaris@usgs.gov>, Christian Zimmerman <czimmerman@usgs.gov>, "Putnam, Christopher" <christopher_putnam@fws.gov>, Steve Berendzen <steve_berendzen@fws.gov>, Joanna Fox <joanna_fox@fws.gov>, Stephen Arthur <stephen_arthur@fws.gov>, Doug Damberg <doug_damberg@fws.gov>, Ronnie Sanchez <ronnie_sanchez@fws.gov>, Robert Brumbaugh <rbrumbau@blm.gov>, Zachary Lyons <zlyons@blm.gov>, Jenifer Kohout <jenifer_kohout@fws.gov>, Wayne Svejnoha <wsvejnoh@blm.gov>, David Houseknecht <dhouse@usgs.gov>, Marti Miller <mlmiller@usgs.gov>, Stacie McIntosh <s05mcint@blm.gov>, Steven Cohn <scohn@blm.gov>, "Cribley, Bud" <bud_cribley@fws.gov>, Patrick Lemons

<patrick_lemons@fws.gov>, Drew Crane <drew_crane@fws.gov>, Wendy Loya <wendy_loya@fws.gov>, Sarena Selbo <sarena_selbo@fws.gov>, Edward Decleva <edward_decleva@fws.gov>, Douglas Campbell <douglas_campbell@fws.gov>, Paul Leonard <paul_leonard@fws.gov>

Cc: Mitch Ellis <mitch_ellis@fws.gov>, Mary Colligan <mary_colligan@fws.gov>, "Lor, Socheata" <socheata_lor@fws.gov>, Ted Swem <ted_swem@fws.gov>, Stephanie Brady <stephanie_brady@fws.gov>, Tracy Fischbach <tracy_fischbach@fws.gov>

Subject: Coastal Plain 1002 Area Interagency Interdisciplinary Team Conference

All

[please forward to anyone that may have an important agency or disciplinary role for scientific considerations on the Beaufort Sea coastal plain and 1002 area specifically]

With the conclusion of our initial conference call, 1300-1400 18 Oct 2017, was the promise of a second and continuing calls. Since then, the proposed rule change EA to open the Arctic Refuge to oil and gas exploration has been announced for the public record, although the document itself has yet to be released. Additionally, attachments to the 2018 budget includes adding an oil and gas program (development, production, transportation) to the existing purposes of the Arctic Refuge.

This situation begs the issue of where we are with regard to state-of-the-knowledge for natural and physical resources of the Beaufort Sea coastal plain at the landscape scale and 1002 area specifically. Of particular interest is the polar bear: adequacies of existing industry practices, regulations and recovery/management goals which may have been based upon minimal management in the 1002 area per the existing Arctic Refuge CCP.

So the goals of the proposed conference call are: (1) What do we know now? and, more importantly, (2) What do we need to know? including what studies/surveys need to be implemented immediately to gain that knowledge?

DOI [DC] has requested a list of datagaps be forwarded by mid-Jan 2018.

Therefore, there is not much opportunity for discussion. A doodle poll is provided for a conference date on 4, 5 8, 9, or 10 January. Further, I am suggesting a 2-hour block of time for discussion.

<https://doodle.com/poll/n5skx6stsaucyvyc>

As with the last meeting, the conference location will be the Alaska Regional office, Anchorage.

Conference phone number will be provided once the time and date are selected.

Thanks to all, and apologies for the extremely short notice.

John

To: Wendy M. Loya, PhD[wendy_loya@fws.gov]
From: Miller, Mark
Sent: 2018-01-09T17:27:32-05:00
Importance: Normal

Consult w/ BLM
[Redacted]
[Redacted]
[Redacted]
[Redacted]

Mark E. Miller, PhD | Deputy Director
North Slope Science Initiative | <http://www.NorthSlopeScience.org>
Email: memiller@blm.gov | Office: 907-271-3212 | Mobile: 907-231-9427
c/o Bureau of Land Management | Alaska State Office | State Director's Office
222 West 7th Avenue, #13 | Anchorage, AK 99513

"We are drowning in information, while starving for wisdom. The world henceforth will be run by synthesizers, people able to put together the right information at the right time, think critically about it, and make important choices wisely."

E. O. Wilson, *Consilience*

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

From: Fritz, Stacey <sfritz@blm.gov>
Date: Tue, Jan 9, 2018 at 1:18 PM

Consult w/ BLM
[Redacted]
[Redacted]
[Redacted]
[Redacted]
[Redacted]
[Redacted]
[Redacted]
[Redacted]
[Redacted]

Best,
--

Stacey Fritz
Anthropologist/Subsistence Specialist
BLM Arctic District Office
222 University Ave.
Fairbanks, AK, 99709
fax: (907) 474-2282
work phone: (907) 474-2309
cell phone: (907) 687-6549

To: Wendy Loya[wendy_loya@fws.gov]
From: Martin, John
Sent: 2018-01-16T16:08:53-05:00
Importance: Normal
Subject: Re: Oil and Gas 101
Received: 2018-01-16T16:16:17-05:00

Yes, pretty frustrated here. Just asking to know who is in charge and of what.

Thanks

On Tue, Jan 16, 2018 at 12:05 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Thanks, I understood that the info did not go through you. Hopefully with most staff back in the office, we can come up with a good communications plan ☺

Dr. Wendy M. Loya, Coordinator

Arctic Landscape Conservation Cooperative (LCC)

Anchorage, Alaska

907.786.3532 (office)

907.227.2942 (mobile)

From: Martin, John [mailto:john_w_martin@fws.gov]
Sent: Tuesday, January 16, 2018 12:04 PM
To: Wendy Loya
Subject: Re: Oil and Gas 101

Wendy

So that you are in the loop, I tried all last week to set up an oil and gas information briefing by the BLM on behalf of the larger assessment needs teams. I got no response from anyone in the BLM by the time I left on Fri PM despite leaving multiple messages to multiple staff.

The information regarding the BLM briefing this Fri came down to me indirectly

through Karen Clark and there was no discussion that I know.

I am waiting for instructions from the oversight team to push out further than Service staff at this point.

John

On Tue, Jan 16, 2018 at 11:28 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Soch,

The Arctic LCC staff, namely myself and Paul in Fairbanks, have taken the lead on the 1002 Resource Assessment sections that relate to research focus areas of the LCC, with an eye towards cross-disciplinary, landscape scale synthesis when needed. Can you keep us in the loop as you would refuges staff?

I would like to attend the BLM meeting referenced below if possible. For a 6-hr informational and to make the most of BLM's time in sharing their expertise, it seems like it would be good to get all of the Resource Assessment topic leads (John Martin has this list), which included folks in Fairbanks. I see that there is not a remote connection set up at this time, but perhaps FWS can host so that we can include Arctic Refuge, refuges and LCC staff?

Thank you,

Wendy

Dr. Wendy M. Loya, Coordinator

Arctic Landscape Conservation Cooperative (LCC)

Anchorage, Alaska

907.786.3532 (office)

907.227.2942 (mobile)

From: Trawicki, John [mailto:john_trawicki@fws.gov]
Sent: Tuesday, January 16, 2018 11:12 AM
To: Socheata Lor
Cc: Wendy Loya
Subject: Fwd: Oil and Gas 101

Soch-

It would be valuable to have all members of the "technical teams" and Arctic NWR staff attend.

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

From: **Granfors, Diane** <diane_granfors@fws.gov>
Date: Mon, Jan 15, 2018 at 1:24 PM
Subject: Fwd: Oil and Gas 101
To: FW7 RNR Staff <fw7_rnr_staff@fws.gov>

anyone else interested in attending? please let me know asap and I'll forward to Soch.

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

From: **Lor, Socheata** <socheata_lor@fws.gov>
Date: Sun, Jan 14, 2018 at 2:48 PM
Subject: Fwd: Oil and Gas 101
To: "Crane, Drew" <drew_crane@fws.gov>, Ronnie Sanchez <ronnie_sanchez@fws.gov>, Doug Damberg <doug_damberg@fws.gov>, "Brady, Stephanie" <stephanie_brady@fws.gov>, "Martin, John" <john_w_martin@fws.gov>, "Fischbach, Tracy" <tracy_fischbach@fws.gov>, "Berendzen, Steve" <steve_berendzen@fws.gov>, Diane Granfors <diane_granfors@fws.gov>

Hi,

Please see Karen's message. Let me know as soon as you can how many people would like to attend from your division/group.

0000009101

Thanks!

Soch

~~~~~

*Socheata Lor, Ph.D.*

*Acting 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: **Clark, Karen** <karen_clark@fws.gov>

Date: Fri, Jan 12, 2018 at 11:40 AM

Subject: Oil and Gas 101

To: FW7 Directorate <fw7_directorate@fws.gov>

Hi Everyone!

BLM has offered to provide us with an oil and gas 101 session given our increased involvement these days. They would like to get an idea of how many people are interested.

When? Friday January 19 9 am - 3pm

0000009102

Where? Federal Building, 4th floor Denali Room

Video available? Not at this time. After this initial training, they are open to figuring out options for our staff who aren't in Anchorage.

This is a great opportunity! Please check in with your staff and give me an idea of how many folks you expect will participate.

Thanks, Karen

Karen P. Clark

Deputy Regional Director

U.S. Fish & Wildlife Service- Alaska Region

1011 E Tudor Rd, MS 374

Anchorage, AK 99503

karen_clark@fws.gov

907.786.3542 office

907.786.3493 direct

907.786.3306 fax

--

Diane Granfors, PhD

Alaska Region Inventory and Monitoring Coordinator

National Wildlife Refuge System

U.S. Fish and Wildlife Service

1011 East Tudor Road, MS 235

Anchorage, AK 99503

diane_granfors@fws.gov

907-786-3429

Collaborative ecosystem science to inform National Wildlife Refuge System conservation decisions in Alaska.

--

John Trawicki

Water Resources Branch Chief

National Wildlife Refuge System, Alaska

U.S. Fish and Wildlife Service

1011 E. Tudor Road

Anchorage, AK 99503

Work: (907) 786-3474

Mobile: (907) 360-1656

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

George Bernard Shaw

To: Paul Leonard[paul_leonard@fws.gov]
From: Wendy Loya
Sent: 2018-01-17T13:23:11-05:00
Importance: Normal
Subject: Fwd: Updated invitation: Arctic Leasing Workshop @ Fri Jan 19, 2018 9am - 3pm (karen_clark@fws.gov)
Received: 2018-01-17T13:23:18-05:00
[ATT00001.htm](#)
[1-19-18 Arctic Leasing Workshop Agenda.docx](#)

Dr. Wendy M. Loya, Coordinator
Arctic Landscape Conservation Cooperative (LCC)
Anchorage, Alaska
[907.786.3532](tel:907.786.3532) (office)
[907.227.2942](tel:907.227.2942) (mobile)

Begin forwarded message:

From: "Clark, Karen" <karen_clark@fws.gov>
Date: January 17, 2018 at 09:21:52 AKST
To: FW7 Directorate <fw7_directorate@fws.gov>, "Murphy, Karen" <karen_a_murphy@fws.gov>, Wendy Loya <wendy_loya@fws.gov>, Tom Doolittle <Tom_doolittle@fws.gov>
Subject: Fwd: Updated invitation: Arctic Leasing Workshop @ Fri Jan 19, 2018 9am - 3pm (karen_clark@fws.gov)

FYI- BLM has agreed to add in a call-in number for the training on Friday!
Hopefully this allows our Fairbanks folks and others who can't be there in person to participate.

Fri Jan 19, 2018 9am – 3pm

Call-in number: **b5-CIP** (Passcode: **b5-CIP**)

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

To: wendy_loya@fws.gov[wendy_loya@fws.gov]; paul_leonard@fws.gov[paul_leonard@fws.gov]
From: Sarena Selbo
Sent: 2018-01-17T13:29:23-05:00
Importance: Normal
Subject: Fwd: Updated invitation: Arctic Leasing Workshop @ Fri Jan 19, 2018 9am - 3pm
(karen_clark@fws.gov)
Received: 2018-01-17T13:29:32-05:00
[ATT00001.htm](#)
[1-19-18 Arctic Leasing Workshop Agenda.docx](#)

Well hot damn! My pestering paid off ??

Begin forwarded message:

From: "Clark, Karen" <karen_clark@fws.gov>
Date: January 17, 2018 at 10:21:52 AM PST
To: FW7 Directorate <fw7_directorate@fws.gov>, "Murphy, Karen" <karen_a_murphy@fws.gov>, Wendy Loya <wendy_loya@fws.gov>, Tom Doolittle <Tom_doolittle@fws.gov>
Subject: Fwd: Updated invitation: Arctic Leasing Workshop @ Fri Jan 19, 2018 9am - 3pm (karen_clark@fws.gov)

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Fri Jan 19, 2018 9am – 3pm

Call-in number: **b5-CIP** (Passcode: **b5-CIP**)

Karen P. Clark
Deputy Regional Director
U.S. Fish & Wildlife Service- Alaska Region
1011 E Tudor Rd, MS 374
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907.786.3306 fax

0000009107

To: Wendy Loya[wendy_loya@fws.gov]
From: Murphy, Karen
Sent: 2018-01-18T12:47:47-05:00
Importance: Normal
Subject: Fwd: Updated invitation: Arctic Leasing Workshop @ Fri Jan 19, 2018 9am - 3pm
(karen_clark@fws.gov)
Received: 2018-01-18T12:47:56-05:00
[1-19-18 Arctic Leasing Workshop Agenda.docx](#)

Are you planning to go to this? I can't...

Karen A Murphy
Western Alaska LCC Coordinator
907-786-3501
karen_a_murphy@fws.gov
<http://WesternAlaskaLCC.org>
<http://www.lccnetwork.org/>

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

From: Clark, Karen <karen_clark@fws.gov>
Date: Wed, Jan 17, 2018 at 9:21 AM
Subject: Fwd: Updated invitation: Arctic Leasing Workshop @ Fri Jan 19, 2018 9am - 3pm
(karen_clark@fws.gov)
To: FW7 Directorate <fw7_directorate@fws.gov>, "Murphy, Karen"
<karen_a_murphy@fws.gov>, Wendy Loya <wendy_loya@fws.gov>, Tom Doolittle
<Tom_doolittle@fws.gov>

FYI- BLM has agreed to add in a call-in number for the training on Friday!
Hopefully this allows our Fairbanks folks and others who can't be there in person to participate.

Fri Jan 19, 2018 9am – 3pm

Call-in number: **b5-CIP** (Passcode: **b5-CIP**)

Karen P. Clark
Deputy Regional Director
U.S. Fish & Wildlife Service- Alaska Region
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To: Martin, John[john_w_martin@fws.gov]
Cc: wendy_loya@fws.gov[wendy_loya@fws.gov]; paul_leonard@fws.gov[paul_leonard@fws.gov]; joshua_bradley@fws.gov[joshua_bradley@fws.gov]; socheata_lor@fws.gov[socheata_lor@fws.gov]; doug_damberg@fws.gov[doug_damberg@fws.gov]; steve_berendzen@fws.gov[steve_berendzen@fws.gov]
From: Sarena Selbo
Sent: 2018-01-25T11:10:49-05:00
Importance: Normal
Subject: Re: Coastal Plain 1002 Area Information Needs for Resource Management and Oil and Gas Program Decision-making
Received: 2018-01-25T11:10:59-05:00

Thank you for the update John. I know our Arctic LCC staff are already providing input so I think you have (or will have) what you need from Science Applications.

On Jan 25, 2018, at 6:59 AM, Martin, John <john_w_martin@fws.gov> wrote:

All

This request was distributed on 9 Jan 2018 to Refuges - DRAFT *Alaska Region Information Needs to Move Forward regarding Arctic Refuge Oil and Gas Program: Exploration and Leasing* (attached – dated 25 Jan 2018).

We are now asking for input from all Alaska Region Service activity programs – OSM, MBM, FES and Science Applications.

Since the initial distribution, we have identified interagency, interdisciplinary teams with interim team leads for a DOI resource assessment needs due mid-Feb (attached table).

The BLM Leasing Workshop last Fri 19 Jan provided an overview of the oil and gas industry – exploration, development, production and transportation, along with tenets of leasing management, at least as applicable to the National Petroleum Reserve – Alaska (NPRA) including NEPA and other relevant statutory and regulatory requirements. This workshop also served as a catalyst for further discussions regarding the roles and responsibilities of all the agencies involved - BLM, USGS and Service.

Due to the evolving nature of the coastal plain 1002 area communications, the initial request was at an overview level. We now need refinements scaled down for field level considerations and decision-making.

Please review and provide any comments or additional considerations by **COB 15 Feb 2018** for consolidation and review by the Regional Director.

Thanks

John

On Tue, Jan 9, 2018 at 1:11 PM, Martin, John <john_w_martin@fws.gov> wrote:

All

Please find attached a draft list of questions and/or information needs for consideration as we evaluate oil and gas exploration and development within Arctic National Wildlife Refuge. In the near future, we will be reaching out to other directorates (FES, MBM, OSM) for input, as these same needs may reflect their own.

Should you have comments or additions that would help in planning or management decisions now and into the future, please edit or add these to the list. As this is a fast-paced effort, please provide responses to me by COB Thu 18 Jan 2018. The final synthesized list will be provided to the Regional Director as he engages with peer agencies, HQ and DOI.

If I may provide additional information or if you have any questions, please so advise.

Thanks

John

<Table - Discipline Subjects & Interagency Teams
23Jan2018pmUPDATED.docx>

<ALASKA INFORMATION NEEDS 25Jan2018amv4.docx>

To: Selbo, Sarena[sarena_selbo@fws.gov]
From: Loya, Wendy
Sent: 2018-01-25T12:40:17-05:00
Importance: Normal
Subject: Re: coordinator info
Received: 2018-01-25T12:40:27-05:00

I looked through this, give me until 1030 to absorb and provide feedback, I think it is fine but want to take a minute to think through what seems like the regional next-steps for 2018 to make sure it captures that. Have meeting 9-10.

Dr. Wendy M. Loya, Coordinator
Arctic Landscape Conservation Cooperative (LCC)
Anchorage, Alaska
907.786.3532 (office)
907.277.2942 (mobile)

On Thu, Jan 25, 2018 at 8:30 AM, Selbo, Sarena <sarena_selbo@fws.gov> wrote:

Draft - do not share - let me know if you have comments for improvement

In light of the oil and gas legislative action in the Arctic coastal plain, it is imperative that the Service has a primary point of contact (POC) to coordinate, communicate, and organize the workload across the Service's programs, with other agencies and tribes. The individual would be responsible for the following tasks:

- Liaison and coordinator to address in-coming requests from HQ.
- Coordinate with other agencies, primarily work closely with the POC for BLM and USGS.
- Coordinate with all Service programs to ensure program's compliance with permits and authorizations for exploratory activities.
- Work with Alaska Native Tribes, Councils and Corporations
- Work with the SOL and the Special Assistant to the Sec. for Alaska.
- Develop and maintain a schedule related to permits and authorizations, and other due dates for specific tasks.
- Develop and maintain a schedule of on-the-ground activities.
- The primary point of contact for communication across programs, with the Regional Director's office, and other agencies.

- Works directly with External Affairs on communication between the Department, HQ, media, etc.
- Point of Contact/Reviewer for all products sent to USFWS Headquarters/DOI
- Facilitate meetings among the Service and BLM to address differences of opinion, perspectives, and/or interpretation of studies to ensure a productive and timely product
- Attend all meetings between the BLM and USFWS, and all public scoping meetings to ensure understanding of current or potential disagreements, concerns, issues, and perspectives.
- Provide the FWS R7 RD and DRD weekly updates on status of the EA/EIS including talking points for media requests
- Develop and maintain library of source documents and reference materials

Qualifications:

- Substantive and demonstrated experience in dealing with complex and controversial large scale and long term projects with controversy, and varied agency mandates, responsibilities, and objectives
- Substantive and demonstrated knowledge, skills and abilities to understand and interpret scientific data including information on distribution, abundance and trend; behavior including potential effects of habitat fragmentation, contaminants, and disturbance; physiology.
- Understanding all state, federal and Borough permitting requirements (e.g., Endangered Species, Clean Water Act, Migratory Bird Treaty Act, Refuge Improvement Act, Fish and Wildlife Coordination Act, National Environmental Policy Act) for an oil and gas exploration, development and production program

--
 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

To: Wendy Loya[wendy_loya@fws.gov]
From: Selbo, Sarena
Sent: 2018-01-29T12:39:38-05:00
Importance: Normal
Subject: Re: short Bio draft
Received: 2018-01-29T12:40:43-05:00

Thank you! That sounds great. b6 [REDACTED] :(

On Mon, Jan 29, 2018 at 8:18 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Wendy Loya in the FWS Office of Science Applications will serve as the Point of Contact (POC) for the region with regards to coordinating incoming and outgoing information related to oil and gas legislative action on the Arctic Coastal Plain of the Arctic NWR. Wendy has been working on collaborative science planning for more than a decade. She has served as the Coordinator for the Arctic Landscape Conservation Cooperative (Arctic LCC) since May 2016, has been involved with the North Slope Science Initiative since approximately 2008 and helped launch the Department of Environment and Minerals at the Greenland Institute of Natural Resources to aid in national environmental impact assessment. Working across FWS programs and our partnering agencies, Alaska Native tribes, councils and corporations, the State of Alaska and DOI regionally and at headquarters, she will facilitate staff engagement in meeting regulatory needs and defining and conducting the science needed to support responsible resource development.

FYI: b6 [REDACTED]
[REDACTED]
[REDACTED]. I'll have my phone and possibly wifi. Plenty to work on ☺

Dr. Wendy M. Loya, Coordinator
Arctic Landscape Conservation Cooperative (LCC)
Anchorage, Alaska
907.786.3532 (office)
907.227.2942 (mobile)

--
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

To: Wendy Loya[wendy_loya@fws.gov]
Cc: Brady, Stephanie[stephanie_brady@fws.gov]
From: Lor, Socheata
Sent: 2018-01-30T12:25:40-05:00
Importance: Normal
Subject: Re: Role of the FWS in the Oil and Gas Program at ANWR
Received: 2018-01-30T12:26:26-05:00

That works.

Thanks!

Soch

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

On Tue, Jan 30, 2018 at 6:47 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Morning ☀️*?*,
Stephanie, Tracy and John and I are meeting at 11 to get acquainted with what they are working on, perhaps we could tackle this at 1130 or 12?
Wendy

Dr. Wendy M. Loya, Coordinator
Arctic Landscape Conservation Cooperative (LCC)
Anchorage, Alaska
[907.786.3532](tel:907.786.3532) (office)
[907.227.2942](tel:907.227.2942) (mobile)

On Jan 30, 2018, at 06:24, Socheata Lor <socheata_lor@fws.gov> wrote:

Sorry about this email. I'm losing control of time and calendar. 1:30 is the meeting w BLM. We just need to get tog sometime soon to discuss and brief Greg

Sent from my iPhone

On Jan 29, 2018, at 5:32 PM, Lor, Socheata <socheata_lor@fws.gov> wrote:

Should we discuss at the 1 pm meeting?
That said, I may have to run home to meet a repair guy who's supposed to be out there
between 12 and 5 (I asked for after 3, but we'll see).

Soch

~~~~~  
*Socbeata Lor, Ph.D.*  
*Acting 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: **Siekaniec, Greg** <greg_siekaniec@fws.gov>
Date: Fri, Jan 26, 2018 at 2:56 PM
Subject: Fwd: Role of the FWS in the Oil and Gas Program at ANWR
To: Karen Clark <karen_clark@fws.gov>, "Lor, Socheata"
<socheata_lor@fws.gov>, Mary Colligan
<mary_colligan@fws.gov>

Soch,
Your popularity grows by leaps and bounds...

We should gather and discuss what we are thinking based on Larry providing us
this feedback. b5-DP/AC

[Redacted]

Perhaps I should schedule a call with Larry and us once we have an idea of how we
wish to proceed so we can discuss if it fits with his sense of where
this is headed and if he foresees any pitfalls along the way.

b5-DP/AC
[Redacted]

b5-DP/AC

[Redacted]

b5-DP/AC

[Redacted]

b5-DP/AC

[Redacted]

b5-DP/AC

[Redacted]

Any guidance you could give me would be helpful, and I would be glad to discuss this further with you at your convenience.

Thanks.

Larry

--
Lawrence P. Mellinger

Attorney-Advisor
Division of Parks and Wildlife
Office of the Solicitor
U.S. Department of the Interior
410-252-5442
202-208-3062

From: Google Calendar
Location: Fairbanks, Steve's office?
Importance: Normal
Subject: Accepted: Arctic Oil and Gas Coordination @ Mon Feb 5, 2018 1pm - 2pm (AKST) (wendy_loya@fws.gov)
Start Date/Time: 2018-02-05T17:00:00-05:00
End Date/Time: 2018-02-05T18:00:00-05:00
[invite.ics](#)

Joanna Fox has accepted this invitation.

Arctic Oil and Gas Coordination

Hi Steve and Joanna,

I will be coming to Fairbanks next week to speak at and participate in the CAFF meeting, and am hoping that we can get together on Monday or Thursday to chat and organize roles and communication between Arctic Refuge staff and myself as the point of contact for FWS on oil and gas issues. I know staff there have been busy thinking about what is to come and also probably feeling left out of conversations that happen in the Regional Office, so I want to know your ideas for what you all are working on and ideas for meaningful engagement and leadership. I have no doubt that things will evolve rapidly, so we can see what works and then adapt as needed. Sending this invite to just you two, but if you want to start with a bigger group we can do that, or we can have a 2nd staff wide meeting possibly on Thursday?

As I talked with a few staff in the region today, I think it is important that everyone understand that I am here to facilitate and coordinate the flow of information between those that request it and those that have the information, not to take over anyone's roles. I am especially excited about working with the resource assessment teams on science needs and hope to bring clarity to that effort ASAP, including a meeting of the team leads. If there are other things to talk about before next Monday, we can definitely chat by phone this week...just let me know or call 786 3532.

If this isn't a good time to meet, feel free to suggest another. I arrive in Fairbanks Monday at 10:50am, so can be at the office by 1130am and am free until the evening reception.

Thank you,
Wendy

When
Where
Video call
Calendar
Who

Mon Feb 5, 2018 1pm - 2pm Alaska Time

Fairbanks, Steve's office? ([map](#))

https://plus.google.com/hangouts/doi.gov/wendy_loya

wendy_loya@fws.gov

-
-
-

wendy_loya@fws.gov

joanna_fox@fws.gov

steve_berendzen@fw

Invitation from [Google Calendar](#)

You are receiving this email at the account wendy_loya@fws.gov because you are subscribed for invitation replies 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.](#)

From: wendy_loya@fws.gov
Location: FWS-FW7 Mary Smith Media Center/Regional Office
Importance: Normal
Subject: Accepted: Meeting: SOL Request - Information Regarding FWS Role in Oil and Gas Program at Arctic Refuge - Need 1 Hour for the Meeting - Call in: b5 - CIP 2 or b5 - CIP Participant: b5 - CIP
Start Date/Time: 2018-02-02T14:00:00-05:00
End Date/Time: 2018-02-02T15:00:00-05:00

To: Berendzen, Steve[steve_berendzen@fws.gov]
Cc: Joanna Fox[joanna_fox@fws.gov]
From: Wendy Loya
Sent: 2018-01-30T22:39:52-05:00
Importance: Normal
Subject: Re: Invitation: Arctic Oil and Gas Coordination @ Mon Feb 5, 2018 1pm - 2pm (AKST) (steve_berendzen@fws.gov)
Received: 2018-01-30T22:39:54-05:00

1230 will work, I will change the invite :)

Dr. Wendy M. Loya, Coordinator
Arctic Landscape Conservation Cooperative (LCC)
Anchorage, Alaska
[907.786.3532](tel:907.786.3532) (office)
[907.227.2942](tel:907.227.2942) (mobile)

On Jan 30, 2018, at 18:37, Berendzen, Steve <steve_berendzen@fws.gov> wrote:

Wendy,

We have the RD's all employee meeting at 1:30 this same day. Any chance we could meet earlier - like 12:30? If not, any other options around the RD meeting?

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

On Mon, Jan 29, 2018 at 9:19 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

[more details »](#)

Arctic Oil and Gas Coordination

Hi Steve and Joanna,

I will be coming to Fairbanks next week to speak at and participate in the CAFF meeting, and am hoping that we can get together on Monday or Thursday to chat and organize roles and communication between Arctic Refuge staff and myself as the point of contact for FWS on oil and gas issues. I know staff there have been busy thinking about what is to come and also probably feeling left out of conversations that happen in the Regional Office, so I want to know your ideas for what you all are working on and ideas for meaningful engagement and leadership. I have no doubt that things will evolve rapidly, so we can see what works and then adapt as needed. Sending this invite to just you two, but if you want to start with a bigger group we can do that, or we can have a 2nd staff-wide meeting possibly on Thursday?

As I talked with a few staff in the region today, I think it is important that everyone understand that I am here to facilitate and coordinate the flow of information between those that request it and those that have the information, not to take over anyone's roles. I am especially excited about working with the resource assessment teams on science needs and hope to bring clarity to that effort ASAP, including a meeting of the team leads. If there are other things to talk about before next Monday, we can definitely chat by phone this week...just let me know or call 786-3532.

If this isn't a good time to meet, feel free to suggest another. I arrive in Fairbanks Monday at

10:50am, so can be at the office by 1130am and am free until the evening reception.

Thank you,
Wendy

When Mon Feb 5, 2018 1pm – 2pm Alaska Time

Where Fairbanks, Steve's office? ([map](#))

Video call https://plus.google.com/hangouts/_/doi.gov/wendy-loya

Calendar steve_berendzen@fws.gov

Who

- wendy_loya@fws.gov organizer
- joanna_fox@fws.gov
- steve_berendzen@fws.gov

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

Invitation from [Google Calendar](#)

You are receiving this email at the account steve_berendzen@fws.gov because you are subscribed for invitations on calendar steve_berendzen@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](#).

To: Wendy Loya[wendy_loya@fws.gov]
Cc: John Trawicki[john_trawicki@fws.gov]; Fischbach, Tracy[tracy_fischbach@fws.gov]; Stephanie Brady[stephanie_brady@fws.gov]
From: Reed, Jennifer
Sent: 2018-01-31T15:30:00-05:00
Importance: Normal
Subject: Re: Invitation: 1002 Resource Assessment Team Leads Meeting @ Thu Feb 1, 2018 12:30pm - 1:30pm (AKST) (jennifer_reed@fws.gov)
Received: 2018-01-31T15:30:08-05:00

Hi Wendy. I can attend, but will need to leave promptly at 1:30 for a meeting Stephanie Brady initiated with Cassie Thomas (Anchorage-based, NPS national planning program Wild and Scenic Rivers Act specialist, and Alaska Hydropower Coordinator) that John Trawicki, Tracy Fischbach and I plan to attend.

Jennifer J. Reed

Arctic National Wildlife Refuge Public Use Manager

101 12th Ave, Rm 236

Fairbanks, AK 99701

Telephone: (907) 455 1835

Fax: (907) 456 0428

Interagency Visitor Use Management Council USFWS Representative

Interagency Wild & Scenic River Coordinating Council USFWS Representative

Make Your Splash!

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

On Wed, Jan 31, 2018 at 11:00 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

[more details »](#)

1002 Resource Assessment Team Leads Meeting

Hi 1002 Resource Team Leads at FWS,

Paul Leonard, Arctic LCC Science Coordinator, and I (Arctic LCC Coordinator and FWS Regional Point of Contact for 1002 Project) will be working with John Martin to move ahead with compiling the Resource Assessments that are due Feb 16th.

We would like to schedule a meeting for tomorrow (Thursday 2/1) afternoon at 12:30-1:30pm to provide further clarity on why we are doing these assessments and what information we are looking for, the process we hope will take place and get your feedback on barriers and needs for you to get these done. If yours is going great, we look forward to hearing that. If you are unable to make this meeting, we will make a plan for another time or meet with you one on one.

Location info:

Science Applications Conference Room in Regional Office

Fairbanks Field Office Room 110

or by phone:

Instant Meeting Audio # **b5 - CIP**

Instant Meeting Audio Participant Passcode: **b5 - CIP**

The purpose of these Resource Assessments is to identify critical science information needs in

order to proceed with responsible exploration, leasing and development of the 1002 area of the Coastal Plain. The goal here is not to compile all of the information needed in an EIS (that request if forthcoming), but concise descriptions of the information we have and need to permit geophysical exploration as soon as next winter, to develop a leasing plan within the next year and finally, envisioning the long term studies the FWS believes need to be done to understand development effects. **They key section is the last section: What studies/surveys need to be conducted to fill those information gaps? Please include duration (start and end), lead, and cost estimates.**

Later today we will be providing an example of the quantity and type of information needed in the initial template that John Martin provided. The closer we can get to the same format, the better.

Many here probably have not had to work on oil and gas issues, so we will be sharing a list of BLM contacts later today that you can work with to understand what decisions they have had to make and what information helps make those decisions. We encourage you to be as collaborative as possible in filling out the information with partners at other DOI agencies and relevant experts living in and near the Refuge, at the State and other science organizations. These assessments will undoubtedly evolve as we learn more and hear when and where industry will be active.

Thank you. I hope you can join the meeting tomorrow and feel free to contact me if you are unable to make it.

Sincerely,
Wendy
907-227-2942

When Thu Feb 1, 2018 12:30pm – 1:30pm Alaska Time

Where FWS-FW7 Science Application Conference Room/Regional Office, Fairbanks Room 110 or Webex ([map](#))

Calendar jennifer_reed@fws.gov

Who

- wendy_loya@fws.gov organizer
- roger_kaye@fws.gov
- hollis_twitchell@fws.gov
- janet_jorgenson@fws.gov
- memiller@blm.gov
- greta_burkart@fws.gov
- john_trawicki@fws.gov
- christopher_latty@fws.gov
- john_w_martin@fws.gov
- paul_leonard@fws.gov
- tracy_fischbach@fws.gov
- steve_berendzen@fws.gov

- jennifer_reed@fws.gov
- angela_matz@fws.gov
- eric_taylor@fws.gov
- edward_decleva@fws.gov
- stephen_arthur@fws.gov
- drew_crane@fws.gov
- randy_j_brown@fws.gov

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

Invitation from [Google Calendar](#)

You are receiving this email at the account jennifer_reed@fws.gov because you are subscribed for invitations on calendar jennifer_reed@fws.gov.

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To: Wendy Loya[wendy_loya@fws.gov]
From: Leonard, Paul
Sent: 2018-01-31T18:08:33-05:00
Importance: Normal
Subject: Another reporting template
Received: 2018-01-31T18:09:13-05:00
GENERAL REPORTING TEMPLATE.docx

Per our discussion:

I mostly used snow/climate for the examples but I put in 1 polar bear plug in the 'information gaps' section because it was succinct. Open to discussion about keeping it to 1 example

--

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

To: Wendy Loya[wendy_loya@fws.gov]
From: Crane, Drew
Sent: 2018-01-31T18:24:13-05:00
Importance: Normal
Subject: Re: Deadline 3pm today! Coastal Plain 1002 Leasing Plan - FWS Resource Leads
Received: 2018-01-31T18:24:20-05:00

Hi Wendy,
For our discussion later today.

Thanks!

Drew Crane
Deputy Chief of Refuges, Acting
Alaska Region
U.S. Fish and Wildlife Service
1011 E. Tudor Road
Anchorage, AK 99503
907-786-3323

On Wed, Jan 31, 2018 at 8:17 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Good morning,

A request with a deadline for 3pm Today, Wednesday January 31st

BLM Lead for Coastal Plain 1002 Leasing Plan lead Sarena Sweet has asked for initial list of leads for the topics they envision for the Exploration and Leasing EIS that they propose will be completed in about the next year, possibly 1.5 years to get to a lease sale in 2 years. That timeline is important as we think who will be able to help with identifying content and leading or assisting in writing sections for the EIS.

Can you please add staff to the attached table that you can commit in the coming year to help with the EIS development? I think this may be similar to our team leaders for the Resource Assessment teams that have been established, but didn't want to make that assumption. After you add names in Column C, please return to me and I will compile. If we get more than one name, I'll coordinate with division Point of Contacts to finalize who will lead and who will support. We can leave blanks if needed, and yes...the list will evolve over time in both content and contacts.

We'll be organizing a call for the Resource Assessment Team Leaders for Thursday afternoon to provide further clarification and answer questions.

Call with any questions 907.786.3532

Thank you!

Wendy

Dr. Wendy M. Loya, Coordinator

Arctic Landscape Conservation Cooperative (LCC)

Anchorage, Alaska

907.786.3532 (office)

907.227.2942 (mobile)

From: Sweet, Serena [mailto:ssweet@blm.gov]
Sent: Tuesday, January 30, 2018 4:09 PM
To: Wendy Loya
Cc: Miriam (Nicole) Hayes; Marlo Draper
Subject: Coastal Plain 1002 Leasing Plan - FWS Resource Leads

Hi Wendy,

As we discussed during today's meeting, we need to start identifying the leads for each of the resource topics that will be analyzed in the Coastal Plain 1002 Leasing Plan EIS. Upon returning to the office tonight, my leadership has asked that we get a list from FWS by **COB tomorrow, Jan 31st.**

I have attached a table for you to fill in. You will notice that the BLM leads have not been listed yet as we will also be working to complete this list tomorrow. So please fill in the table as much as possible and if there is a resource that FWS do not have an expert for, feel free to leave it blank.

Thank you and please let me know if you have any questions.

Serena Sweet

BLM-Alaska, Resources Division

Supervisory Planning

&

Environmental Coordinator

Desk: 907-271-4543

Cell: 907-223-3267

To: Wendy Loya[wendy_loya@fws.gov]
From: Matz, Angela
Sent: 2018-01-31T20:46:46-05:00
Importance: Normal
Subject: Re: Invitation: 1002 Resource Assessment Team Leads Meeting @ Thu Feb 1, 2018 12:30pm - 1:30pm (AKST) (angela_matz@fws.gov)
Received: 2018-01-31T20:47:36-05:00

Hi Wendy,

I can't make this meeting but can talk on Friday if that works for you. Let me know a good time, right now I have most of the day free.

Thanks, Angela

On Wed, Jan 31, 2018 at 11:00 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

[more details »](#)

1002 Resource Assessment Team Leads Meeting

Hi 1002 Resource Team Leads at FWS,

Paul Leonard, Arctic LCC Science Coordinator, and I (Arctic LCC Coordinator and FWS Regional Point of Contact for 1002 Project) will be working with John Martin to move ahead with compiling the Resource Assessments that are due Feb 16th.

We would like to schedule a meeting for tomorrow (Thursday 2/1) afternoon at 12:30-1:30pm to provide further clarity on why we are doing these assessments and what information we are looking for, the process we hope will take place and get your feedback on barriers and needs for you to get these done. If yours is going great, we look forward to hearing that. If you are unable to make this meeting, we will make a plan for another time or meet with you one on one.

Location info:

**Science Applications Conference Room in Regional Office
Fairbanks Field Office Room 110**

or by phone:

Instant Meeting Audio # b5 - CIP

Instant Meeting Audio Participant Passcode: b5 - CIP

The purpose of these Resource Assessments is to identify critical science information needs in order to proceed with responsible exploration, leasing and development of the 1002 area of the Coastal Plain. The goal here is not to compile all of the information needed in an EIS (that request if forthcoming), but concise descriptions of the information we have and need to permit geophysical exploration as soon as next winter, to develop a leasing plan within the next year and finally, envisioning the long term studies the FWS believes need to be done to understand development effects. **They key section is the last section: What studies/surveys need to be conducted to fill those information gaps? Please include duration (start and end), lead, and cost estimates.**

Later today we will be providing an example of the quantity and type of information needed in the initial template that John Martin provided. The closer we can get to the same format, the better.

Many here probably have not had to work on oil and gas issues, so we will be sharing a list of BLM contacts later today that you can work with to understand what decisions they have had to make and what information helps make those decisions. We encourage you to be as collaborative as possible in filling out the information with partners at other DOI agencies and relevant experts living in and near the Refuge, at the State and other science organizations. These assessments will undoubtedly evolve as

we learn more and hear when and where industry will be active.

Thank you. I hope you can join the meeting tomorrow and feel free to contact me if you are unable to make it.

Sincerely,
Wendy
907-227-2942

When Thu Feb 1, 2018 12:30pm – 1:30pm Alaska Time

Where FWS-FW7 Science Application Conference Room/Regional Office, Fairbanks Room 110 or Webex ([map](#))

Calendar angela_matz@fws.gov

Who

- wendy_loya@fws.gov organizer
- drew_crane@fws.gov
- steve_berendzen@fws.gov
- john_trawicki@fws.gov
- memiller@blm.gov
- paul_leonard@fws.gov
- eric_taylor@fws.gov
- greta_burkart@fws.gov
- randy_j_brown@fws.gov
- jennifer_reed@fws.gov
- hollis_twitchell@fws.gov
- janet_jorgenson@fws.gov
- edward_decleva@fws.gov
- angela_matz@fws.gov
- tracy_fischbach@fws.gov
- john_w_martin@fws.gov
- christopher_latty@fws.gov
- stephen_arthur@fws.gov
- roger_kaye@fws.gov

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

Invitation from [Google Calendar](#)

You are receiving this email at the account angela_matz@fws.gov because you are subscribed for invitations on calendar angela_matz@fws.gov.

To stop receiving these emails, please log in to <https://www.google.com/calendar/> and change your notification settings for this calendar.

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--

*Angela Matz, Ph.D.
U.S. Fish and Wildlife Service
4700 BLM Road Anchorage, AK 99507 2546
angela_matz@fws.gov
Phone: 907 271 2778 Cell: 907 750 8527
Fax: 907 271 2786 Toll Free: 1 800 272 4174*

To: John Trawicki[john_trawicki@fws.gov]; Wendy Loya[wendy_loya@fws.gov]
From: Crane, Drew
Sent: 2018-02-01T17:36:09-05:00
Importance: Normal
Subject: Fwd: Role of the FWS in the Oil and Gas Program at ANWR
Received: 2018-02-01T17:36:16-05:00

Given who was on the original receiving line for this, I wouldn't share it beyond this group. Wendy, this may be what the meeting you have tomorrow is about.

Drew Crane
Deputy Chief of Refuges, Acting
Alaska Region
U.S. Fish and Wildlife Service
1011 E. Tudor Road
Anchorage, AK 99503
907-786-3323

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

From: Lor, Socheata <socheata_lor@fws.gov>
Date: Fri, Jan 26, 2018 at 3:44 PM
Subject: Fwd: Role of the FWS in the Oil and Gas Program at ANWR
To: "Brady, Stephanie" <stephanie_brady@fws.gov>, Doug Damberg <doug_damberg@fws.gov>, "Crane, Drew" <drew_crane@fws.gov>

Let's talk when you're here on Monday.
Along with arctic CCP.

Soch

~~~~~  
*Socheata Lor, Ph.D.*  
*Acting 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: Siekaniec, Greg <greg_siekaniec@fws.gov>
Date: Fri, Jan 26, 2018 at 2:56 PM
Subject: Fwd: Role of the FWS in the Oil and Gas Program at ANWR
To: Karen Clark <karen_clark@fws.gov>, "Lor, Socheata" <socheata_lor@fws.gov>, Mary Colligan <mary_colligan@fws.gov>

Soch,
Your popularity grows by leaps and bounds...

We should gather and discuss what we are thinking based on Larry providing us this feedback.

b5-DP/AC [Redacted]

Perhaps I should schedule a call with Larry and us once we have an idea of how we wish to proceed so we can discuss if it fits with his sense of where this is headed and if he foresees any pitfalls along the way.

b5 - DP/AC [Redacted]

greg

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

From: **Mellinger, Larry** <larry.mellinger@sol.doi.gov>
Date: Fri, Jan 26, 2018 at 1:53 PM
Subject: Role of the FWS in the Oil and Gas Program at ANWR
To: Greg Siekaniec <greg_siekaniec@fws.gov>
Cc: Jim Kurth <jim_kurth@fws.gov>, "Martinez, Cynthia" <cynthia_martinez@fws.gov>, "Goeken, Richard" <richard.goeken@sol.doi.gov>, "Romanik, Peg" <peg.romanik@sol.doi.gov>, Benjamin Jesup <benjamin.jesup@sol.doi.gov>

Greg:

As you are aware, b5 - DP/AC [Redacted]

b5 - DP/AC

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

Any guidance you could give me would be helpful, and I would be glad to discuss this further with you at your convenience.

Thanks.

Larry

--
Lawrence P. Mellinger

Attorney-Advisor
Division of Parks and Wildlife
Office of the Solicitor
U.S. Department of the Interior
410-252-5442
202-208-3062

From: wendy_loya@fws.gov
Location: Fairbanks, Steve's office?
Importance: Normal
Subject: Arctic Oil and Gas Coordination
Start Date/Time: 2018-02-05T16:30:00-05:00
End Date/Time: 2018-02-05T17:30:00-05:00

Updating to meet at 1230. If this topic is on the agenda for the employee meeting you are hosting after, let me know if you want me to attend.

Hi Steve and Joanna,

I will be coming to Fairbanks next week to speak at and participate in the CAFF meeting, and am hoping that we can get together on Monday or Thursday to chat and organize roles and communication between Arctic Refuge staff and myself as the point of contact for FWS on oil and gas issues. I know staff there have been busy thinking about what is to come and also probably feeling left out of conversations that happen in the Regional Office, so I want to know your ideas for what you all are working on and ideas for meaningful engagement and leadership. I have no doubt that things will evolve rapidly, so we can see what works and then adapt as needed. Sending this invite to just you two, but if you want to start with a bigger group we can do that, or we can have a 2nd staff wide meeting possibly on Thursday?

As I talked with a few staff in the region today, I think it is important that everyone understand that I am here to facilitate and coordinate the flow of information between those that request it and those that have the information, not to take over anyone's roles. I am especially excited about working with the resource assessment teams on science needs and hope to bring clarity to that effort ASAP, including a meeting of the team leads. If there are other things to talk about before next Monday, we can definitely chat by phone this week...just let me know or call 786 3532.

If this isn't a good time to meet, feel free to suggest another. I arrive in Fairbanks Monday at 10:50am, so can be at the office by 1130am and am free until the evening reception.

Thank you,

Wendy

Calendar

Regional Director's Office

Importance: Normal

Subject: New event: Wendy Loya* Arctic Refuge oil & Gas Program role as POC @ Fri Feb 2, 2018 9:30am - 10am (AKST) (Regional Director's Office)

Start Date/Time: 2018-02-02T13:30:00-05:00

End Date/Time: 2018-02-02T14:00:00-05:00

[invite.ics](#)

[more details »](#)

Wendy Loya* Arctic Refuge oil & Gas Program role as POC

Can you find 30 min in Greg's schedule for him and I to meet regarding my new role as he point of contact for Arctic Refuge oil and gas program? I am part of the meeting scheduled for 10am Friday 2/2, so if 930am tomorrow were available, that would be perfect.

Thank you,

Wendy

Dr. Wendy M. Loya, Coordinator

Arctic Landscape Conservation Cooperative (LCC)

Anchorage, Alaska

907.786.3532 (office)

907.227.2942 (mobile)

When
Video call

Fri Feb 2, 2018 9:30am - 10am Alaska Time

https://plus.google.com/hangouts/_/doi.gov/doi.gov_4ugnr6

0000009139

Who

-
-
-
-

lynne santos@fws.gov
greg siekaniec@fws.gov
wendy loya@fws.gov
karen clark@fws.gov

Invitation from [Google Calendar](#)

You are receiving this email at the account tauline_davis@fws.gov because you are subscribed for new event updates on calendar Regional Director's Office.

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To: Wendy Loya[wendy_loya@fws.gov]
From: Davis, Tauline
Sent: 2018-02-02T13:01:01-05:00
Importance: Normal
Subject: Re: Meeting with Greg regarding 1002 Coordination
Received: 2018-02-02T13:01:09-05:00

Wendy so sorry I missed your meeting request it got buried in my last day emails - I see you got this setup. Great

On Wed, Jan 31, 2018 at 2:45 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Hi Tauline,

Greg and I would like to meet to discuss my new role as the point of contact for Coastal Plain 1002 area oil and gas program. Can you find a time for us to talk?

Thank you,

Wendy

Dr. Wendy M. Loya, Coordinator

Arctic Landscape Conservation Cooperative (LCC)

Anchorage, Alaska

907.786.3532 (office)

907.227.2942 (mobile)

--

Tauline Davis
907-786-3542
Executive Assistant
Regional Director's Office

To: Paul Leonard[paul_leonard@fws.gov]; Wendy Loya[wendy_loya@fws.gov]
Cc: John Trawicki[john_trawicki@fws.gov]; Vanessa von Biela[vvonbiela@usgs.gov]; Matt Whitman[MWhitman@blm.gov]
From: Brown, Randy
Sent: 2018-02-02T15:53:01-05:00
Importance: Normal
Subject: Draft fishes segment...
Received: 2018-02-02T15:53:12-05:00
[FishesSectionFeb2018_simple.docx](#)

Hi Paul and Wendy,

Please take a look at this draft section on fishes and let me know if we're on a reasonable track here. Vanessa and Matt have not had an opportunity to weigh in on it yet but will be doing so in the near future. As I mentioned to Paul yesterday, I have a more extensive document with species profiles and references included, but clearly that isn't what you are looking for at this time. Any feedback you can provide would be appreciated.

Thanks,
Randy

--

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

Phone: (907) 456-0295
E-mail: <randy_j_brown@fws.gov>

From: ssweet@blm.gov

Location: Bridge [REDACTED], Passcode [REDACTED] (Webex:

[REDACTED]

Bridge [REDACTED] Passcode [REDACTED]

Importance: Normal

Subject: FW: BLM Arctic Seismic Process - Follow-up to 1/19 Workshop Presentation

Start Date/Time: 2018-02-16T14:00:00-05:00

End Date/Time: 2018-02-16T16:00:00-05:00

Dear Colleagues,

BLM has scheduled a sharing session on Seismic Processes at the request of FWS who would like to better understand winter exploration activities. Please forward this to the Resource Assessment Team leads and the EIS leads in your divisions.

I have reserved the Science Applications conference room in Anchorage, hoping a room can be reserved in Fairbanks also.

Thank you,

Wendy

Original Appointment

From: ssweet@blm.gov [mailto:ssweet@blm.gov] **On Behalf Of** ssweet@blm.gov

Sent: Thursday, February 01, 2018 2:49 PM

To: ssweet@blm.gov; wendy_loya@fws.gov; stephanie_brady@fws.gov; wsvejnoh@blm.gov; rbrumbau@blm.gov; zlyons@blm.gov; mdraper@blm.gov; dwixon@blm.gov; njones@blm.gov; mnhayes@blm.gov; john_w_martin@fws.gov; john_trawicki@fws.gov; drew_crane@fws.gov

Subject: BLM Arctic Seismic Process Follow up to 1/19 Workshop Presentation

When: Friday, February 16, 2018 10:00 AM 12:00 PM (UTC 09:00) Alaska.

Where: Bridge [REDACTED], Passcode [REDACTED] (Webex:

[REDACTED]

Bridge [REDACTED] Passcode [REDACTED]

To: Wendy Loya[wendy_loya@fws.gov]
Cc: Drew Crane[drew_crane@fws.gov]
From: Trawicki, John
Sent: 2018-02-07T11:40:20-05:00
Importance: Normal
Subject: Re: Updated invitation: BLM Arctic Seismic Process
Received: 2018-02-07T11:41:11-05:00

I will send out reminder for todays meeting. With call in information. I have a conference line, but do you have a call in number you would like to use on a regular basis.

Do you have agenda items you would like me to include?
Do you have specific people identified to participate?
Is Eric Taylor the POC for Mig. Birds? If so we need to include him on a regular basis.

On Tue, Feb 6, 2018 at 5:55 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Yes, Drew I was talking about POC at BLM communications only, and really, mostly about John Martin to make sure I understood his direction in forwarding the seismic work. I did not mean to imply FWS staff would not continue to work with their counterparts and new collaborators directly. We can sort this out at tomorrow's meeting...how can I call in for that? Refuges Vidyo? I am not sure where I am at has fast, reliable internet for that so if there is a call in number that would be swell.

Drew, what about Ryan Wilson for seismic seminar since he is EIS team lead for polar bears?

Thanks!

Wend

Dr. Wendy M. Loya, Coordinator

Arctic Landscape Conservation Cooperative (LCC)

Anchorage, Alaska

907.786.3532 (office)

907.227.2942 (mobile)

From: Crane, Drew [mailto:drew_crane@fws.gov]
Sent: Tuesday, February 06, 2018 3:49 PM
To: Wendy Loya
Cc: John Trawicki
Subject: Re: Updated invitation: BLM Arctic Seismic Process

Hey Wendy,

Do you mean no communications go to the BLM POCs or from BLM POCs but to you? I'm fine with that approach, but think there should be latitude for the teams to work directly with their BLM counterparts.

As for sending the invite out to folks, I sent it to Sarah Conn today but that is it from ES so far. I would say most of our regulatory folks in FBX and in the MMM program have a decent understanding of how oil and gas operations work on the north slope. Though, it may be a good refresher.

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

On Tue, Feb 6, 2018 at 2:39 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Hi John T (and Drew),

0000009145

John Martin sent out the email below to some, but not all, of the Resource Assessment team leads.

John, did you ask him to do this for Refuges? That is fine and we have to delegate, and I am glad he cc'ed me, but given that he wrote "All Team Leads" but it is clearly not all team leads, I am confused. While we figure out how to most efficiently communicate, can you both copy me on emails you forward to members of your offices? I hate looking sloppy and disorganized, so don't want to send out more invites without knowing if you two sent them to other people. At our next joint BLM-FWS meeting, would you agree that we make it clear that no communications go to anyone but me, but that we have John T, Drew, Eric, Steve and Joanna on all invites? Let me know what would work for you.

Fine tuning as we go 😊

Wendy

Dr. Wendy M. Loya, Coordinator

Arctic Landscape Conservation Cooperative (LCC)

Anchorage, Alaska

907.786.3532 (office)

907.227.2942 (mobile)

From: Martin, John [mailto:john_w_martin@fws.gov]

Sent: Monday, February 05, 2018 11:52 AM

To: Angela Matz; Mark Miller; Janet Jorgenson; Randy Brown; Christopher Latty; Stephen Arthur; Edward Decleva; Tracy Fischbach; Hollis Twitchell; Roger Kaye

Cc: Serena Sweet; Wendy Loya; John Trawicki; Stephanie Brady

Subject: Fwd: Updated invitation: BLM Arctic Seismic Process - Follow-up to 1/19 Workshop P... @ Fri Feb 16, 2018 10am - 12pm (AKST) (john_w_martin@fws.gov)

All Team Leads

Please be advised that the BLM has offered an additional opportunity to learn about oil and gas field exploration that is of interest for our resource assessments. If warranted, please have at least one team member attend to pass along relevant information to teams.

0000009146

Thanks

John

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

From: **Serena Sweet** <ssweet@blm.gov>

Date: Mon, Feb 5, 2018 at 11:42 AM

Subject: Updated invitation: BLM Arctic Seismic Process - Follow-up to 1/19 Workshop P... @
Fri Feb 16, 2018 10am - 12pm (AKST) (john_w_martin@fws.gov)

To: john_w_martin@fws.gov, stephanie_brady@fws.gov, mnhayes@blm.gov,
wsvejnoh@blm.gov, drew_crane@fws.gov, wendy_loya@fws.gov, john_trawicki@fws.gov,
zlyons@blm.gov, Eric Taylor <eric_taylor@fws.gov>, steve_berendzen@fws.gov,
ctburns@blm.gov, paul_leonard@fws.gov, mdraper@blm.gov, rbrumbau@blm.gov,
dwixon@blm.gov, njones@blm.gov

This event has been changed.

[more details »](#)

BLM Arctic Seismic Process - Follow-up to 1/19 Workshop Presentation

Changed: For those of you attending in person at the Federal Building, the meeting will be held in the Kodiak Room on the 4th floor.

When Fri Feb 16, 2018 10am – 12pm Alaska Time

Where **Changed:** Bridge **b5 - CIP** Passcode **b5 - CIP**
b5 - CIP BLM-AK SO Bridge **b5 - CIP** Passcode **b5 - CIP** BLM-AK SO Kodiak A Room, BLM-AK SO Kodiak B Room ([map](#))

Calendar john_w_martin@fws.gov

- Who
- ssweet@blm.gov - organizer
 - stephanie_brady@fws.gov
 - mnhayes@blm.gov
 - wsvejnoh@blm.gov
 - drew_crane@fws.gov

- john_w_martin@fws.gov
- wendy_loya@fws.gov
- john_trawicki@fws.gov
- zlyons@blm.gov
- Eric Taylor
- steve_berendzen@fws.gov
- ctburns@blm.gov
- paul_leonard@fws.gov
- joanna_fox@fws.gov
- mdraper@blm.gov
- rbrumbau@blm.gov
- dwixon@blm.gov
- njones@blm.gov

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

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You are receiving this email at the account john_w_martin@fws.gov because you are subscribed for updated invitations on calendar john_w_martin@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](#).

--

John Trawicki
Water Resources Branch Chief
National Wildlife Refuge System, Alaska
U.S. Fish and Wildlife Service

1011 E. Tudor Road
Anchorage, AK 99503
Work: (907) 786-3474
Mobile: (907) 360-1656

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

To: Wendy Loya[wendy_loya@fws.gov]
Cc: Steve Berendzen[steve_berendzen@fws.gov]; John Trawicki[john_trawicki@fws.gov]
From: Fox, Joanna
Sent: 2018-02-07T15:08:55-05:00
Importance: Normal
Subject: Re: sharing invite for Seismic
Received: 2018-02-07T15:09:45-05:00

OK - thanks Wendy. We'll do our best to ensure any changes get passed on to the group. I can handle it if it happens before Wednesday, but will not have access to government email after that. Steve may have the ability to do that from Hawaii.

Appreciate your help!

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, Feb 7, 2018 at 10:35 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Hi Joanna,

I am sorry the timing is not good for you and Steve, I did ask that they consider the calendars of the POCs in scheduling it but will make clear moving forward that either you or Steve need to be available. It is your role to forward this invitation to the Arctic Refuge staff on the EIS teams and other Arctic Refuge staff that would benefit from the information, and it is up to you (or Steve) to keep them apprised of scheduling changes as the Arctic Refuge POC. John T will keep other R7 Refuges staff up to date. I am not sure how Google calendar works, and if a forwarded invitation that gets accepted automatically includes that person in future correspondence. I will try to track that process for that invitation so we know how it works. (I am an outlook user!) Always feel free to cc me on those forwarded emails and I'll know who to expect and who has been reached, or this process is fine also.

Thank you,

0000009150

Wendy

Dr. Wendy M. Loya, Coordinator

Arctic Landscape Conservation Cooperative (LCC)

Anchorage, Alaska

907.786.3532 (office)

907.227.2942 (mobile)

From: Fox, Joanna [mailto:joanna_fox@fws.gov]
Sent: Wednesday, February 07, 2018 10:21 AM
To: Wendy Loya
Subject: Fwd: Updated invitation: BLM Arctic Seismic Process - Follow-up to 1/19 Workshop P... @ Fri Feb 16, 2018 10am - 12pm (AKST) (joanna_fox@fws.gov)

Hi Wendy,

I am encouraging staff who will have roles in the EIS development to attend the workshop/webinar BLM is hosting on February 16. Neither Steve nor I are able to attend, but we were the only ones on our staff who were invited. In the event any changes are made to the time/date or other call-in details, will you please see that the staff I just invited are made aware of them?

Thank you!

Joanna L. Fox

Deputy Refuge Manager

Arctic National Wildlife Refuge

101 12th Avenue, Room 236

Fairbanks, AK 99701

0000009151

(907) 456-0549

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www.facebook.com/arcticnationalwildliferefuge

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

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

From: **Fox, Joanna** <joanna_fox@fws.gov>

Date: Wed, Feb 7, 2018 at 10:18 AM

Subject: Fwd: Updated invitation: BLM Arctic Seismic Process - Follow-up to 1/19 Workshop P... @ Fri Feb 16, 2018 10am - 12pm (AKST) (joanna_fox@fws.gov)

To: Christopher Latty <christopher_latty@fws.gov>, Stephen Arthur <stephen_arthur@fws.gov>, Janet Jorgenson <janet_jorgenson@fws.gov>, "Burkart, Greta" <greta_burkart@fws.gov>, Hollis Twitchell <hollis_twitchell@fws.gov>, Roger Kaye <Roger_Kaye@fws.gov>, Jennifer Reed <jennifer_reed@fws.gov>, Roy Churchwell <roy_churchwell@fws.gov>

Cc: Steve Berendzen <steve_berendzen@fws.gov>

BLM has scheduled a follow-up workshop/webinar to share additional information with us about seismic work and its impacts. Unfortunately, neither Steve nor I are able to attend. Since we will be addressing impacts and mitigation in the EIS, I'd strongly recommend you participate if available. I have scheduled the Refuges conference room; someone will just need to be responsible for getting the webinar up and running sometime between 9:30 and 10am.

Thanks!

Joanna

Joanna L. Fox

Deputy Refuge Manager

Arctic National Wildlife Refuge

0000009152

101 12th Avenue, Room 236

Fairbanks, AK 99701

(907) 456-0549

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www.facebook.com/arcticnationalwildliferefuge

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

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

From: **Serena Sweet** <ssweet@blm.gov>

Date: Mon, Feb 5, 2018 at 11:42 AM

Subject: Updated invitation: BLM Arctic Seismic Process - Follow-up to 1/19 Workshop P... @
Fri Feb 16, 2018 10am - 12pm (AKST) (joanna_fox@fws.gov)

To: joanna_fox@fws.gov, ctburns@blm.gov, wsvejnoh@blm.gov, john_trawicki@fws.gov,
rbrumbau@blm.gov, john_w_martin@fws.gov, zlyons@blm.gov, wendy_loya@fws.gov,
paul_leonard@fws.gov, steve_berendzen@fws.gov, stephanie_brady@fws.gov,
mrdrapeer@blm.gov, drew_crane@fws.gov, mnhayes@blm.gov, Eric Taylor
<eric_taylor@fws.gov>, dwixon@blm.gov, njones@blm.gov

This event has been changed.

[more details »](#)

BLM Arctic Seismic Process - Follow-up to 1/19 Workshop Presentation

Changed: For those of you attending in person at the Federal Building, the meeting will be held in the Kodiak Room on the 4th floor.

When Fri Feb 16, 2018 10am – 12pm Alaska Time

Where **Changed:** Bridge **b5 - CIP**, Passcode **b5 - CIP**
b5 - CIP
b5 - CIP, BLM-AK SO Bridge **b5 - CIP** Passcode **b5 - CIP**, BLM-AK SO Kodiak A Room, BLM-AK SO Kodiak B Room ([map](#))

Calendar joanna_fox@fws.gov

Who • ssweet@blm.gov - organizer

—

- ctburns@blm.gov
- joanna_fox@fws.gov
- wsvejnoh@blm.gov
- john_trawicki@fws.gov
- rbrumbau@blm.gov
- john_w_martin@fws.gov
- zlyons@blm.gov
- wendy_loya@fws.gov
- paul_leonard@fws.gov
- steve_berendzen@fws.gov
- stephanie_brady@fws.gov
- mdraper@blm.gov
- drew_crane@fws.gov
- mnhayes@blm.gov
- Eric Taylor
- dwixon@blm.gov
- njones@blm.gov

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

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

To: Wendy Loya[wendy_loya@fws.gov]
From: Taylor, Eric
Sent: 2018-02-13T16:09:43-05:00
Importance: Normal
Subject: Re: Today's FWS-BLMmeeting: Science Applications Conference room in Anchorage, Phone bridge for FAI/Kodiak
Received: 2018-02-13T18:37:59-05:00

Hi Wendy

I am currently flying to St. Louis but will send a MBM representative. Thanks for the reminder.

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

On Tue, Feb 13, 2018 at 11:46 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Hi FWS colleagues,

We can gather in the Science Applications conference room today in Anchorage and using the conference bridge provided by BLM in the calendar invite: b5 - CIP, participant passcode #b5 - CIP

Topics on the agenda will likely include:

1. Touch base on MOU/NOI/SOW etc.
2. BLM NEPA training for FWS to get on same page?
3. Reminder and any add'l info for Seismic workshop this Friday
4. Stips/ROPs/BMP workshop for FWS staff to become familiar with NPRA options
5. MMPA application discussion to avoid delays
6. Project Management Plan

We can add other items of importance to the group at the start of the meeting.

Thank you,

Wendy'

Dr. Wendy M. Loya, Coordinator

Arctic Landscape Conservation Cooperative (LCC)

Anchorage, Alaska

907.786.3532 (office)

907.227.2942 (mobile)

To: Christopher Latty[christopher_latty@fws.gov]
From: Wendy Loya
Sent: 2018-02-14T16:09:27-05:00
Importance: Normal
Subject: RE: Resource Assessments
Received: 2018-02-14T16:09:37-05:00

Talk to you all then ☺

Dr. Wendy M. Loya, Coordinator
Arctic Landscape Conservation Cooperative (LCC)
Anchorage, Alaska
907.786.3532 (office)
907.227.2942 (mobile)

From: Christopher Latty [mailto:christopher_latty@fws.gov]
Sent: Wednesday, February 14, 2018 12:06 PM
To: Wendy Loya
Subject: Re: Resource Assessments

Thanks for making the time! I think 330 would work for all. Does that still work for you?

Sent from my iPhone

On Feb 14, 2018, at 8:17 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Sure, that would be great! If you could loop Paul Leonard and I in on a conversation with Ted, that would be great....I am mostly available before 1pm, but could make 330 work.

Dr. Wendy M. Loya, Coordinator
Arctic Landscape Conservation Cooperative (LCC)
Anchorage, Alaska
907.786.3532 (office)
907.227.2942 (mobile)

From: Latty, Christopher [mailto:christopher_latty@fws.gov]
Sent: Tuesday, February 13, 2018 10:50 PM
To: Wendy Loya
Subject: Re: Resource Assessments

Thanks again for your help with this Wendy!!

Ted Swem has some ideas about how we might go about viewing the "needs" list and prioritizing this list as the process moves forward. Would you have time for a short conversation with him and myself about this tomorrow afternoon?

Cheers
Chris

On Tue, Feb 13, 2018 at 9:03 AM, Wendy Loya <wendy_loya@fws.gov> wrote:
Hi Chris,

At first read, this appears to be a great overview and list of studies needed, have you had a chance to share it with Debbie Nigro at BLM? If she has time, I think she could help ensure these are the right studies needed to protect avian habitat in an oil and gas management context.

Also, given that the next step is prioritization, it would be helpful for you to think ahead about different lenses for prioritizing this work, including:

- What data are essential for identifying existing high value habitat in the next 2-4 months (best available science) and are human/financial resources needed to compile that information?
- What data are essential for identifying high value habitat (making better available science) in the next 2-3 years and what human/financial resources needed to compile that information?
- what on the list could be included in existing efforts this year with no or some additional \$ resources?
- We'll be sharing one or more possible timelines for activities in the next weeks, but are there any studies that have to be done before seismic occurs?

If you could roll these prioritization lenses into the order of your list or the text in your list of studies needed to fill gaps, that would be great. If you can estimate how much additional effort (human and/or \$\$) it would take to do the things on the list, that will also be important for conversations starting on Feb 22 or 23rd.

So, in summary, this is a great concise effort and if you can add some of the above details, you will be well prepared for the next steps 😊 Since your list of needed studies is one of the longer ones, I am sharing this info with you now although we will prepare to share it with everyone shortly.

Wendy

Dr. Wendy M. Loya, Coordinator
Arctic Landscape Conservation Cooperative (LCC)
Anchorage, Alaska
907.786.3532 (office)
907.227.2942 (mobile)

From: Latty, Christopher [mailto:christopher_latty@fws.gov]
Sent: Monday, February 12, 2018 10:56 PM
To: Wendy Loya
Subject: Re: Resource Assessments

Hi Wendy,

Attached is my current working draft - I'd love to get your thoughts/critiques if you have a few minutes.

Cheers
Chris

On Fri, Feb 9, 2018 at 3:52 PM, Wendy Loya <wendy_loya@fws.gov> wrote:
Hi Chris,

I think if you could combine them it might better hit the target audience (non-ologists), but the most important part is getting the information in there and we can work with what we have. I hope you don't have 150 individual species needs :> !! LOL
Thanks for your efforts and hope you feel this is a useful way to convey your knowledge and think about the future science needs.

Cheers, have a great weekend,
Wendy

Dr. Wendy M. Loya, Coordinator
Arctic Landscape Conservation Cooperative (LCC)
Anchorage, Alaska
907.786.3532 (office)
907.227.2942 (mobile)

From: Latty, Christopher [mailto:christopher_latty@fws.gov]
Sent: Friday, February 09, 2018 3:15 PM
To: Wendy Loya
Subject: Resource Assessments

Hi Wendy - quick question for you. Several people now have commented that the bird assessment might flow better if sections were combined (maybe the "what's known" and the "remaining gaps" sections?) since we are talking about 150 species. Might this be an option, or should I stick with the template even if it requires some duplication in the individual sections?

Thanks much!

Cheers,
Chris

--

Christopher Latty
US Fish and Wildlife Service
Arctic NWR
[101 12th Avenue](#)
[Room 236](#)

Fairbanks, AK 99701
cell 907-347-4300

--

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

--

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

To: John Trawicki[john_trawicki@fws.gov]; John Martin[john_w_martin@fws.gov]
Cc: John Pearce[jpearce@usgs.gov]
From: Wendy Loya
Sent: 2018-02-14T18:33:35-05:00
Importance: Normal
Subject: Word version of Douglas 2002 attached!
Received: 2018-02-14T18:35:49-05:00
[2002-USGS-BRD-BSR-2002-0001.docx](#)

John M,

Do you want me to help extract these, I can start in last chapter and work backwards...?

Thank you!!
Wendy

To: Wendy M. Loya, PhD[wendy_loya@fws.gov]; Martin, John[john_w_martin@fws.gov]
From: Miller, Mark
Sent: 2018-02-14T19:37:17-05:00
Importance: Normal
Subject: Fwd: Invitation to speak / present at Annual North Slope Studies Review Meeting, March 20th , Anchorage
Received: 2018-02-14T19:37:27-05:00
2018_0320 ANSSR 0214draft.docx

Wendy, John - I ask that you share this draft agenda / meeting notice with appropriate FWS staff. I'll do the same with BLM.
thanks - m

Mark E. Miller, PhD | Deputy Director
North Slope Science Initiative | <http://www.NorthSlopeScience.org>
Email: memiller@blm.gov | Office: 907-271-3212 | Mobile: 907-231-9427
c/o Bureau of Land Management | Alaska State Office | State Director's Office
222 West 7th Avenue, #13 | Anchorage, AK 99513

"We are drowning in information, while starving for wisdom. The world henceforth will be run by synthesizers, people able to put together the right information at the right time, think critically about it, and make important choices wisely."

E. O. Wilson, *Consilience*

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

From: Miller, Mark <memiller@blm.gov>
Date: Wed, Feb 14, 2018 at 3:34 PM
Subject: Invitation to speak / present at Annual North Slope Studies Review Meeting, March 20th , Anchorage
To: Matt Whitman <mwhitman@blm.gov>, "Wendy M. Loya, PhD" <wendy_loya@fws.gov>, Grant Hilderbrand <ghilderbrand@usgs.gov>, John Pearce <jpearce@usgs.gov>, Brian Person <brian.person@north-slope.org>, Sue Rodman <sue.rodman@alaska.gov>, Melissa Head <melissa.head@alaska.gov>, robyn.e.mcgee@conocophillips.com, "Pohl, Christina HM" <Christina.Pohl@bp.com>, Sheyna Wisdom <sheyna.wisdom@fairweather.com>, brien.e.reep@exxonmobil.com, Beth Sharp <esharp@hilcorp.com>, Julie Lina <julie.lina@caelusenergy.com>, Catherine Coon <catherine.coon@boem.gov>, Heather Crowley <heather.crowley@boem.gov>, "Robyn P. Angliss, PhD" <robyn.angliss@noaa.gov>, Ron Heintz <ron.heintz@noaa.gov>, Lois DalleMolle <lois_dalle-molle@nps.gov>
Cc: "Miriam (Nicole) Hayes" <mnhayes@blm.gov>, "Martin, John" <john_w_martin@fws.gov>, "Sara W. Longan" <slongan@blm.gov>, Jess Grunblatt <jgrunbla@alaska.edu>, Lisa Gleason <lgleason@blm.gov>

All -

Please consider this official invitation to speak at an upcoming "Annual North Slope Studies Review Meeting" scheduled for March 20th in Anchorage.

See the attachment for meeting objectives, instructions to speakers, draft agenda, and tentative line-up of speakers.

This meeting is a ~retooled version of NSSI's "annual projects meeting," with the following adjustments:

- Expanded line-up of invited speakers that now includes industry representatives;
- Explicit meeting objectives;
- Expanded audience that now includes industry representatives as well as BLM and USFWS staff involved in efforts to plan for future oil and gas leasing on the Coastal Plain of the Arctic National Wildlife Refuge.

I ask that invited speakers each respond to me by COB on 21 Feb, (1) affirming your availability to speak, or (2) identifying an alternative speaker for your institution.

Thanks in advance.

Mark

Mark E. Miller, PhD | Deputy Director
North Slope Science Initiative | <http://www.NorthSlopeScience.org>
Email: memiller@blm.gov | Office: 907-271-3212 | Mobile: 907-231-9427
c/o Bureau of Land Management | Alaska State Office | State Director's Office
222 West 7th Avenue, #13 | Anchorage, AK 99513

"We are drowning in information, while starving for wisdom. The world henceforth will be run by synthesizers, people able to put together the right information at the right time, think critically about it, and make important choices wisely."

E. O. Wilson, *Consilience*

To: Paul Leonard[paul_leonard@fws.gov]
From: Wendy Loya
Sent: 2018-02-15T17:27:33-05:00
Importance: Normal
Subject: RE: GTN-P Sites in Arctic Refuge
Received: 2018-02-15T17:27:41-05:00

I don't expect the FLIR study to land in the Refuge, they are operating out of Deadhorse and not Kaktovik I believe. I would call Hollis Twitchell (Assistant Refuge Manager), or ask Frank to since he could explain it better 907-456-0512.

Dr. Wendy M. Loya, Coordinator
Arctic Landscape Conservation Cooperative (LCC)
Anchorage, Alaska
907.786.3532 (office)
907.227.2942 (mobile)

From: Leonard, Paul [mailto:paul_leonard@fws.gov]
Sent: Thursday, February 15, 2018 1:12 PM
To: Wendy Loya
Subject: Fwd: GTN-P Sites in Arctic Refuge

Is the polar bear team based out of Kaktovik or is there someone else that immediately comes to mind that we might be able to call on for this?

Cheers,
Paul

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

From: Urban, Frank <furban@usgs.gov>
Date: Thu, Feb 15, 2018 at 11:45 AM
Subject: Re: GTN-P Sites in Arctic Refuge
To: "Leonard, Paul" <paul_leonard@fws.gov>

Paul,

Consult w/ USGS



Frank

On Wed, Feb 14, 2018 at 9:01 AM, Frank Urban <furban@usgs.gov> wrote:
Paul,

Consult w/ USGS



Frank

On Feb 13, 2018, at 5:51 PM, Leonard, Paul <paul_leonard@fws.gov> wrote:

Hi Frank,

I should have asked you this the last time we were on the phone but I'm curious if there is information from this winter that would be available from any of the 3 sites? I believe the data you shared extend through 2016?

Thanks so much.

Cheers,
Paul

--

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

--

Frank Urban
U.S. Geological Survey
MS 980, Box 25046
Denver, CO 80225
303-236-4790

--

Paul Leonard, PhD
Science Coordinator

Arctic LCC

101 12th Ave. Room 216

Fairbanks, AK 99701

(907) 456-0445

To: Arthur, Stephen[stephen_arthur@fws.gov]
Cc: Wendy Loya[wendy_loya@fws.gov]
From: Payer, David
Sent: 2018-02-15T21:43:42-05:00
Importance: Normal
Subject: Re: Near final versions of caribou and other mammal assessments
Received: 2018-02-15T21:44:04-05:00
REPORTING TEMPLATE Other Mammals DCP.docx

Hi Steve,

The caribou write up is in good shape, and I liked Heather's re-organization ideas. Attached are my comments on the other mammals. Its hard to know how far to go with these assessments, and I think you've done a great job balancing data needs with the appropriate scope!

-Dave

David Payer, DVM, PhD | Regional Wildlife Biologist | Natural Resource Sciences Team
National Park Service Alaska Region | 240 W. 5th Ave. | Anchorage, Alaska 99501
Phone (907) 644 3578 | Fax (907) 644 3809 | david_payer@nps.gov



On Thu, Feb 15, 2018 at 11:32 AM, Arthur, Stephen <stephen_arthur@fws.gov> wrote:

If you have any additional comments, please let me know ASAP.

Thanks,

Steve

Stephen M. Arthur, Ph.D.

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

To: Randy Brown[randy_j_brown@fws.gov]; Paul Leonard[paul_leonard@fws.gov]
Cc: Loya, Wendy[wendy_loya@fws.gov]
From: Berendzen, Steve
Sent: 2018-02-16T12:45:50-05:00
Importance: Normal
Subject: Fwd: Arctic Leasing Workshop
Received: 2018-02-16T12:46:46-05:00

Wendy, I should have copied you on this info for Fairbanks staff regarding attending this workshop at the BLM office.

Randy and Paul, please see forwarded message.

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

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

From: **Berendzen, Steve** <steve_berendzen@fws.gov>
Date: Fri, Feb 16, 2018 at 8:35 AM
Subject: Fwd: Arctic Leasing Workshop
To: Hollis Twitchell <hollis_twitchell@fws.gov>, Roy Churchwell <roy_churchwell@fws.gov>, Christopher Latty <christopher_latty@fws.gov>, "Jorgenson, Janet" <janet_jorgenson@fws.gov>, Roger Kaye <Roger_Kaye@fws.gov>, Joanna Fox <joanna_fox@fws.gov>, "Reed, Jennifer" <jennifer_reed@fws.gov>, Stephen Arthur <stephen_arthur@fws.gov>, Greta Burkart <greta_burkart@fws.gov>

For those who can attend the seismic workshop in person this morning, Shelly responded that it will be in the BLM Arctic Conference room at their office building. I hope many of you can attend this.

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

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

From: **Jones, Nichelle (Shelly)** <njones@blm.gov>
Date: Fri, Feb 16, 2018 at 8:25 AM
Subject: Re: Arctic Leasing Workshop
To: "Berendzen, Steve" <steve_berendzen@fws.gov>

We will be in our Arctic Conference Room at our BLM office on the corner of Airport and University Ave. Happy to have folks come over and join us here.

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

(907) 474-2310 (w)

(907) 460 0086 (c)

On Thu, Feb 15, 2018 at 10:24 PM, Berendzen, Steve <steve_berendzen@fws.gov> wrote:

Shelly,

Can you tell me where you will be hosting the Oil & Gas 2-hour workshop tomorrow (Friday). I think some of our Arctic staff would like to attend in person, and I'll forward to them so they can hopefully do that.

Steve Berendzen

Acting Manager, Arctic National Wildlife Refuge

907 456 0253

On Thu, Jan 18, 2018 at 9:02 AM, Nichelle (Shelly) Jones <njones@blm.gov> wrote:

Hello Joanna and Steve:

I am currently on a detail as the BLM Arctic District Manager for the next few months. I know Joanna from our previous work related to the AIVC in Coldfoot. I believe I also met Steve during one of my Dalton Highway trips, so you may remember me from that brief introduction.

There seem to be numerous meetings going on at every level in our organizations right now related to the oil and gas development directed in the Tax Act. I have started attending the interagency coordination calls initiated by FWS.

I wasn't sure if you were already aware of the upcoming workshop on oil and gas leasing that will be happening this Friday (1/19) at the federal building in Anchorage. Since I am in Anchorage this week, I will be attending in person. It looks like it will be a good opportunity to learn some of the basics about oil and gas activities and ask questions related to the way BLM currently manages the planning and permitting during the different phases development.

I will be out of the office next week, but will try to give you a call the week of 1/30 to follow up and pass along any information I have that might be of interest to you from the meeting in case you are not able to attend.

Please know that we hold the USFWS staff, your resources and mission in high regard and will be working hard to make sure that things move forward in the most professional and respectful way possible.

Kind regards,

-Shelly

Shelly Jones

Acting Arctic District Manager, BLM

0000009169

222 University Ave
Fairbanks, AK 99709
(907) 474-2310

Begin forwarded message:

From: Serena Sweet <ssweet@blm.gov>
To: "njones@blm.gov" <njones@blm.gov>, "scohn@blm.gov" <scohn@blm.gov>, "sfritz@blm.gov" <sfritz@blm.gov>, "dwixon@blm.gov" <dwixon@blm.gov>, "czimmerman@usgs.gov" <czimmerman@usgs.gov>, "ryan_noel@fws.gov" <ryan_noel@fws.gov>, "mary_colligan@fws.gov" <mary_colligan@fws.gov>, "dmushovi@blm.gov" <dmushovi@blm.gov>, "stephen_wackowski@ios.doi.gov" <stephen_wackowski@ios.doi.gov>, "mdraper@blm.gov" <mdraper@blm.gov>, "t75murph@blm.gov" <t75murph@blm.gov>, "mnhayes@blm.gov" <mnhayes@blm.gov>, "rbrumbau@blm.gov" <rbrumbau@blm.gov>, "sara_boario@fws.gov" <sara_boario@fws.gov>, "greg_siekaniec@fws.gov" <greg_siekaniec@fws.gov>, "jchmielowski@blm.gov" <jchmielowski@blm.gov>, "karen_clark@fws.gov" <karen_clark@fws.gov>, "dnigro@blm.gov" <dnigro@blm.gov>, "ctburns@blm.gov" <ctburns@blm.gov>, "zlyons@blm.gov" <zlyons@blm.gov>, "kmourits@blm.gov" <kmourits@blm.gov>, "lellis@blm.gov" <lellis@blm.gov>, "socheata_lor@fws.gov" <socheata_lor@fws.gov>, "jpearce@usgs.gov" <jpearce@usgs.gov>, "eric_taylor@fws.gov" <eric_taylor@fws.gov>, "wsvejnoh@blm.gov" <wsvejnoh@blm.gov>, "adevaris@usgs.gov" <adevaris@usgs.gov>
Subject: Arctic Leasing Workshop

This event has been changed.

Title: Arctic Leasing Workshop
Call-in number: [b5-CIP](#) (Passcode: [b5-CIP](#))

Webex:

[b5-CIP](#)

Meeting Number: [b5-CIP](#)
Meeting Passcode: [b5-CIP](#)
When: Fri Jan 19, 2018 9am - 3pm Alaska Time
Where: Federal Building, Executive Dining Room, BLM-AK SO Bridge [b5-CIP](#)
[b5-CIP](#) Passcode [b5-CIP](#) (changed)
Calendar: njones@blm.gov

Who:

- * ssweet@blm.gov - organizer
- * scohn@blm.gov

0000009170

- * sfritz@blm.gov
- * dwixon@blm.gov
- * czimmerman@usgs.gov
- * ryan_noel@fws.gov
- * mary_colligan@fws.gov
- * dmushovi@blm.gov
- * stephen_wackowski@ios.doi.gov
- * mdraper@blm.gov
- * t75murph@blm.gov
- * mnhayes@blm.gov
- * rbrumbau@blm.gov
- * njones@blm.gov
- * sara_boario@fws.gov
- * greg_siekaniec@fws.gov
- * jchmielowski@blm.gov
- * karen_clark@fws.gov
- * dnigro@blm.gov
- * ctburns@blm.gov
- * zlyons@blm.gov
- * kmourits@blm.gov
- * lellis@blm.gov
- * socheata_lor@fws.gov
- * jpearce@usgs.gov
- * eric_taylor@fws.gov
- * wsvejnoh@blm.gov
- * adevaris@usgs.gov

Event details:

<https://www.google.com/calendar/event?action=VIEW&eid=Z25mMzRrajNpdmd2bHI5OG9iYmlwN3Fnam8gbmpvbmVzQGJsbS5nb3Y&tok=MTQjc3N3ZWV0QGJs bS5nb3ZiOTMxYzc1YWE3ZTY5MDZmZGUxMTEwNjIzOWJiYTQ1NGViY TYxZDJh&ctz=America/Anchorage&hl=en>

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

You are receiving this email at the account njones@blm.gov because you are subscribed for updated invitations on calendar njones@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 at <https://support.google.com/calendar/answer/37135#forwarding>

To: Wendy Loya[wendy_loya@fws.gov]; John Martin[john_w_martin@fws.gov]
From: Matz, Angela
Sent: 2018-02-16T20:52:19-05:00
Importance: Normal
Subject: Oil Spill Reporting Template
Received: 2018-02-16T20:53:06-05:00
[Oil Spills REPORTING TEMPLATE.docx](#)

Hi Wendy and John,
I'd like to reserve the right to make additions to this early next week, but in the meantime, here it is.

Thank you!

Angela

--

Angela Matz, Ph.D.
U.S. Fish and Wildlife Service
4700 BLM Road Anchorage, AK 99507 2546
angela_matz@fws.gov
Phone: 907 271 2778 Cell: 907 750 8527
Fax: 907 271 2786 Toll Free: 1 800 272 4174

To: Arthur, Stephen[stephen_arthur@fws.gov]
Cc: Wendy Loya[wendy_loya@fws.gov]; John Trawicki[john_trawicki@fws.gov]
From: Martin, John
Sent: 2018-02-20T10:13:45-05:00
Importance: Normal
Subject: Re: Caribou and terrestrial mammals assessments
Received: 2018-02-20T10:13:52-05:00

Steve

Thanks - got them.

John

On Thu, Feb 15, 2018 at 7:03 PM, Arthur, Stephen <stephen_arthur@fws.gov> wrote:

John,

Attached are the resource assessments for caribou and other terrestrial mammals. Let me know if you have any questions.

Steve

Stephen M. Arthur, Ph.D.

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

To: Latty, Christopher[christopher_latty@fws.gov]
Cc: Wendy Loya[wendy_loya@fws.gov]; John Trawicki[john_trawicki@fws.gov]
From: Martin, John
Sent: 2018-02-20T10:21:10-05:00
Importance: Normal
Subject: Re: Drive Location for uploading 1002 Arctic Refuge Resource Assessments
Received: 2018-02-20T10:21:17-05:00

Chris

Not to worry as its loaded in the correct drive. Keep in mind the server may be named something else depending on how the drive is accessed - at least according to IT. Got it.

Thanks

John

On Sat, Feb 17, 2018 at 10:28 PM, Latty, Christopher <christopher_latty@fws.gov> wrote:

Hi Wendy,
I'll check-in with Priscilla next week to get access sorted, as the drive still doesn't show up on my machine. As requested - please find the Resource Assessment for birds attached.

Cheers
Chris

On Sat, Feb 17, 2018 at 7:46 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

No worries, just email it to me and John M and I can save to folder. If the drive doesn't show up, you can ask Priscilla next week. Have a good weekend.

Dr. Wendy M. Loya, Coordinator
Arctic Landscape Conservation Cooperative (LCC)
Anchorage, Alaska
[907.786.3532](tel:907.786.3532) (office)
[907.227.2942](tel:907.227.2942) (mobile)

On Feb 16, 2018, at 22:21, Latty, Christopher <christopher_latty@fws.gov> wrote:

Hi Wendy,
Apparently I should have tried mapping this sooner, as it doesn't seem to be working for me. I tried the guidance above with no luck. I'll be back in the office tomorrow and can see if I can get it sorted, but please let me know if others in Fairbanks have had issues.

Cheers
Chris

On Thu, Feb 15, 2018 at 12:35 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

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)

--

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

--

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

To: Wendy Loya[wendy_loya@fws.gov]
From: Arthur, Stephen
Sent: 2018-02-21T18:51:34-05:00
Importance: Normal
Subject: Re: Resource Assessment next steps: Table for Discussion
Received: 2018-02-21T18:52:21-05:00

Hi Wendy,
I can give you a call tomorrow at your office number, unless you'd prefer a different number.

Steve

Stephen M. Arthur, Ph.D.

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

On Wed, Feb 21, 2018 at 2:35 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Hi Steve,

Would you be able to call me at 800am tomorrow (Thursday) or send me a number to reach you?

Thank you,

Wendy

Dr. Wendy M. Loya,

Arctic Program Coordinator, Office of Science Applications

US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.227.2942 (mobile)

From: Arthur, Stephen [mailto:stephen_arthur@fws.gov]
Sent: Wednesday, February 21, 2018 2:29 PM
To: Wendy Loya

0000009177

Subject: Re: Resource Assessment next steps: Table for Discussion

Hi Wendy,

I should be around tomorrow morning--would 8 or 9 am (AK time) work for you?

Steve

Stephen M. Arthur, Ph.D.

Supervisory Wildlife Biologist

Arctic National Wildlife Refuge

101 12th Ave., Room 236

Fairbanks, AK 99701

(907)455-1830

On Wed, Feb 21, 2018 at 11:52 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Thanks for sharing the Refuge study plan and your input on prioritization. Would you have time to chat by phone tomorrow (Thursday)? I am free except 9-10am AK time.

I don't want to be perceived as making decisions on what work is a priority for the Refuge, my intent is to help lead an intra-agency conversation about what is needed. At the same time, I stepped into this role because I could see we needed leadership in organizing that broader conversation, moving it beyond the FWS and I had a sense of the science needed to support oil and gas program decisions.

I welcome your input and recommendations every step of the way and happy to have you lead or co-lead any aspect of the work. When we talk I would like a better understanding of your desired role as I know you are partially retired.

Thank you,

Wendy

0000009178

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

From: Arthur, Stephen [mailto:stephen_arthur@fws.gov]
Sent: Tuesday, February 20, 2018 4:37 PM
To: Wendy Loya
Subject: Re: Resource Assessment next steps: Table for Discussion

Attached is a table showing our current plans for research and monitoring on the Refuge this year. This is similar to what we have been doing for the past 3 years. Descriptions of the projects are very brief; let me know if you'd like more details.

Steve

Stephen M. Arthur, Ph.D.

Supervisory Wildlife Biologist

Arctic National Wildlife Refuge

101 12th Ave., Room 236

Fairbanks, AK 99701

(907)455-1830

On Tue, Feb 20, 2018 at 1:19 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Hi Everyone,

<<...>>

Attached is the Excel spreadsheet I made that includes the Recommended Studies. It is a first draft, as I extracted the information from the documents and may have made some errors or misinterpretations. But it should be sufficient to provide an overview of the scope of requests for us to discuss today about how to proceed towards a high priority research needs list by Friday.

Thank you,

Wendy

Dr. Wendy M. Loya,

Arctic Program Coordinator, Office of Science Applications

US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.227.2942 (mobile)

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

From: wendy_loya@fws.gov [mailto:wendy_loya@fws.gov]

Sent: Tuesday, February 20, 2018 10:36 AM

To: 'John Trawicki'; Drew Crane; Eric Taylor; Paul Leonard; Stephen Arthur; Steve Berendzen; Joanna Fox

Subject: Resource Assessment next steps

When: Tuesday, February 20, 2018 3:15 PM-4:00 PM (UTC-09:00) Alaska.

Where: BLM Kodiak room after 2-3pm meeting or conference line

Hi 1002 team,

I would like to talk with a few of you about next steps for the information in the Resource Assessments that were turned in Friday. If you want to have a look, they are in a folder called 1002 Arctic Refuge\Working on the R7 Common drive (everyone in region has access).

I have compiled nearly all of the information into an excel sheet that identifies: Subject, Purpose, Need, and Recommended Action. Now I would like to talk to you all about how to prioritize this information and what other information we need to do that. I will send the spreadsheet out by 2pm today after I add the last information.

Greg has asked that we provide a list of our highest priorities to BLM by Friday. I think we then have another week to compile a more complete and robust document, although we can discuss the scope and timeline for that as well.

0000009180

We'll try to stay in the room at BLM to continue this conversation if possible, and will use the following call in number for those not in the room:

b5-CIP passcode: **b5-CIP**

For those of you calling in, we may be a little late if our meeting with BLM runs over but will try to keep on track or keep you posted.

Thank you,

Wendy

To: Wendy Loya[wendy_loya@fws.gov]
From: Miller, Mark
Sent: 2018-02-22T13:16:28-05:00
Importance: Normal
Subject: Re: Invitation to speak / present at Annual North Slope Studies Review Meeting, March 20th , Anchorage
Received: 2018-02-22T13:16:38-05:00

Great - good news.

Jess is designing slide template specifically so he can use presenters' slides to populate a spreadsheet ~ database.

m

Mark E. Miller, PhD | Deputy Director
North Slope Science Initiative | <http://www.NorthSlopeScience.org>
Email: memiller@blm.gov | Office: 907-271-3212 | Mobile: 907-231-9427
c/o Bureau of Land Management | Alaska State Office | State Director's Office
222 West 7th Avenue, #13 | Anchorage, AK 99513

"We are drowning in information, while starving for wisdom. The world henceforth will be run by synthesizers, people able to put together the right information at the right time, think critically about it, and make important choices wisely."

E. O. Wilson, *Consilience*

On Thu, Feb 22, 2018 at 9:02 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

I can do this, we are talking about how to compile on Friday. Curious if the slide format will be a good information archive or if you also want to make a standard spreadsheet so all this can go together easily into a "database"?

Thanks!! Need to catch up but this week is cra-cra :P

Dr. Wendy M. Loya,

Arctic Program Coordinator, Office of Science Applications

US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.227.2942 (mobile)

From: Miller, Mark [mailto:memiller@blm.gov]
Sent: Thursday, February 22, 2018 8:26 AM
To: Wendy M. Loya, PhD
Subject: Fwd: Invitation to speak / present at Annual North Slope Studies Review Meeting, March 20th
, Anchorage

Hi again - apologies for the barrage -

I know you're hyper-busy these days, but will you be able to speak / present at this meeting? If not, can you suggest an alternative - maybe Paul?

Thanks - m

Mark E. Miller, PhD | Deputy Director

North Slope Science Initiative | <http://www.NorthSlopeScience.org>

Email: memiller@blm.gov | Office: 907-271-3212 | Mobile: 907-231-9427

c/o Bureau of Land Management | Alaska State Office | State Director's Office

222 West 7th Avenue, #13 | Anchorage, AK 99513

"We are drowning in information, while starving for wisdom. The world henceforth will be run by synthesizers, people able to put together the right information at the right time, think critically about it, and make important choices wisely."

E. O. Wilson, *Consilience*

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

From: Miller, Mark <memiller@blm.gov>
Date: Wed, Feb 14, 2018 at 3:34 PM
Subject: Invitation to speak / present at Annual North Slope Studies Review Meeting, March 20th , Anchorage
To: Matt Whitman <mwhitman@blm.gov>, "Wendy M. Loya, PhD" <wendy_loya@fws.gov>, Grant Hilderbrand <ghilderbrand@usgs.gov>, John Pearce <jpearce@usgs.gov>, Brian Person <brian.person@north-slope.org>, Sue Rodman <sue.rodman@alaska.gov>, Melissa Head <melissa.head@alaska.gov>, robyn.e.mcgee@conocophillips.com, "Pohl, Christina

HM" <Christina.Pohl@bp.com>, Sheyna Wisdom <sheyňa.wisdom@fairweather.com>, brien.e.reep@exxonmobil.com, Beth Sharp <esharp@hilcorp.com>, Julie Lina <julie.lina@caelusenergy.com>, Catherine Coon <catherine.coon@boem.gov>, Heather Crowley <heather.crowley@boem.gov>, "Robyn P. Angliss, PhD" <robyn.angliss@noaa.gov>, Ron Heintz <ron.heintz@noaa.gov>, Lois DalleMolle <lois_dalle-molle@nps.gov>
Cc: "Miriam (Nicole) Hayes" <mnhayes@blm.gov>, "Martin, John" <john_w_martin@fws.gov>, "Sara W. Longan" <slongan@blm.gov>, Jess Grunblatt <jgrunbla@alaska.edu>, Lisa Gleason <lgleason@blm.gov>

All -

Please consider this official invitation to speak at an upcoming "Annual North Slope Studies Review Meeting" scheduled for March 20th in Anchorage.

See the attachment for meeting objectives, instructions to speakers, draft agenda, and tentative line-up of speakers.

This meeting is a ~retooled version of NSSI's "annual projects meeting," with the following adjustments:

- Expanded line-up of invited speakers that now includes industry representatives;
- Explicit meeting objectives;
- Expanded audience that now includes industry representatives as well as BLM and USFWS staff involved in efforts to plan for future oil and gas leasing on the Coastal Plain of the Arctic National Wildlife Refuge.

I ask that invited speakers each respond to me by COB on 21 Feb, (1) affirming your availability to speak, or (2) identifying an alternative speaker for your institution.

Thanks in advance.

Mark

Mark E. Miller, PhD | Deputy Director

North Slope Science Initiative | <http://www.NorthSlopeScience.org>

Email: memiller@blm.gov | Office: 907-271-3212 | Mobile: 907-231-9427

c/o Bureau of Land Management | Alaska State Office | State Director's Office

222 West 7th Avenue, #13 | Anchorage, AK 99513

"We are drowning in information, while starving for wisdom. The world henceforth will be run by synthesizers, people able to put together the right information at the right time, think critically about it, and make important choices wisely."

E. O. Wilson, *Consilience*

To: Wendy Loya[wendy_loya@fws.gov]
Cc: Paul Leonard[paul_leonard@fws.gov]
From: Bradley, Joshua
Sent: 2018-02-23T12:24:42-05:00
Importance: Normal
Subject: Re: FW: FY18 Science Apps Opportunities - Invitation to edit
Received: 2018-02-23T12:25:12-05:00

Hi,

I think the "bigger and broader" aspects are covered in the [Project Prospectus](#) that Paul and I put together last summer. That would encapsulate the work we're doing with Chris's group, and could address multiple data collection/management needs identified in the 1002 list. Obviously, the scope shouldn't be limited to 1002, but that *could* be used as a way to jump start the effort and as a proof-of-concept. That's how we're approaching the work with Chris. The data modelling that went in to TEON could also be folded into this effort. Unless we're going to be hiring additional staff (maybe via the Co-op? b5-DP

[REDACTED]). Over the long-term we'll need to seek funding to build, support, and maintain the data systems. Initially, it's mostly going to require a lot of time to do requirements analysis and modelling - and probably some persuading and cajoling. Maybe we can request travel funds to support bring folks in for meetings or in exchange for time spent as a subject matter expert? Paul, thoughts to add?

Josh

<https://docs.google.com> Active Link

Joshua Bradley
Arctic LCC Data Manager
U.S. Fish and Wildlife Service
101 12th Avenue, Room 216
Fairbanks, Alaska 99701
907.455.1847 (office)
907.519.9370 (cell)
<http://arcticlcc.org>
<https://www.mdeditor.org/>

On Wed, Feb 21, 2018 at 8:50 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Thanks for that idea Josh...

Is there a funding request associated with it or to make it bigger and better to serve more broadly across the service?

0000009186

There are a couple of requests for broader data compilation/coordination in the attached table, as well as a number of monitoring studies proposed for caribou, other mammals and birds for the Refuge. Also, a structure for cataloging information on cultural resource studies that I highlighted.

Another needed conversation is how data relevant to the Refuge from the Beaufort Sea Lagoon LTER site (new coastal LTER) could be ingested for our use...working with LTER PI's to understand their database structure and how we might harvest from it?

I can see requesting funding for item #1 and also contributing to an updated vegetation map if actually needed (follow up conversation needed with BLM's Scott Guyer and perhaps Debbie Nigro needed to understand how would be used). Could this build off Mark Lara's effort at Landform mapping if we want to understand soils-vegetation relationships?

I'll schedule a call with you guys for maybe tomorrow, so if you can look through table and also think more broadly about how we can really do something useful and transformative with your data and spatial skills, that would be great!

Wendy

Dr. Wendy M. Loya,

Arctic Program Coordinator, Office of Science Applications

US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.227.2942 (mobile)

From: Bradley, Joshua [mailto:joshua_bradley@fws.gov]
Sent: Tuesday, February 20, 2018 5:49 PM
To: Wendy Loya
Cc: Paul Leonard
Subject: Re: FW: FY18 Science Apps Opportunities - Invitation to edit

Hi,

It would be good to add in the work we're doing with Arctic Refuge(Chris Latty). This is a good example of work that SA can do that has immediate practical impact, hits on several regional priorities and has potential for development at a regional scale. The request for assistance was also initiated outside of SA. Thoughts?

Josh

Joshua Bradley

Arctic LCC Data Manager

U.S. Fish and Wildlife Service

101 12th Avenue, Room 216

Fairbanks, Alaska 99701

907.455.1847 (office)

907.519.9370 (cell)

<http://arcticlcc.org>

<https://www.mdeditor.org/>

On Tue, Feb 20, 2018 at 10:12 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

FYI, let me know if there are things you would like to add.

wendy

Dr. Wendy M. Loya,

Arctic Program Coordinator, Office of Science Applications

US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.227.2942 (mobile)

From: Selbo, Sarena [mailto:sarena_selbo@fws.gov]

Sent: Tuesday, February 20, 2018 8:08 AM

To: aaron poe

Cc: Karen Murphy; Wendy Loya; Amy Pocewicz

Subject: Re: FY18 Science Apps Opportunities - Invitation to edit

Thanks for setting this up Aaron. After you all have your thoughts together please meet as a team and prioritize as a whole (not LCC by LCC). I'd like the final with rankings by Feb 26 if possible.

On Mon, Feb 19, 2018 at 4:17 PM, aaron poe (via Google Sheets) <[bb\[REDACTED\]@gmail.com](mailto:bb[REDACTED]@gmail.com)> wrote:

aaron poe has invited you to **edit** the following spreadsheet:

FY18 Science Apps Opportunities

Hi folks--I took a stab at putting this google sheet together of potential opportunities that still make sense for science applications in the Alaska Region. Hopefully it's not too cumbersome and certainly feel free to rearrange etc. if you all can see a better way to organize the information. As is, it's pretty easy to copy over content from the RDT project list that Sarena had us put together last year too. [that link in case you want it:

<https://docs.google.com/document/d/1N1gT50ecKrusoLpmxyQOet67F0L3fjBxpzWsiOyHu74/edit>]

Thanks all!

AA

[Open in Sheets](#)

Google Sheets: Create and edit spreadsheets online.

Google LLC, [1600 Amphitheatre Parkway, Mountain View, CA 94043, USA](#)

You have received this email because someone shared a spreadsheet with you from Google Sheets.

--

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](#)

To: Brian Wright[bwright@usgs.gov]
From: Wendy Loya
Sent: 2018-02-23T16:46:52-05:00
Importance: Normal
Subject: RE: Short deadline: need info on estimate to do NDHD for 1002 area of Arctic NWR
Received: 2018-02-23T16:47:00-05:00

Thank you so much.
Wendy

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

From: Wright, Brian [mailto:bwright@usgs.gov]
Sent: Friday, February 23, 2018 12:45 PM
To: Wendy Loya
Cc: Julie Michaelson; Kacy Krieger
Subject: Fwd: Short deadline: need info on estimate to do NDHD for 1002 area of Arctic NWR

Wendy,

Attached is an overview of the status and cost to complete hydro updates for AK.

Below is a cost estimate for the 10-02 area.

Brian

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

Duplication: Email part of consultation w/ USGS



Thanks,
-Kacy

Kacy Krieger
Alaska Hydrography Coordinator
Alaska Center for Conservation Science
University of Alaska Anchorage
3211 Providence Drive
Anchorage, Alaska 99508
W: (907) 786-7749
C: (907) 414-5175

On Fri, Feb 23, 2018 at 8:17 AM, Wendy Loya <wendy_loya@fws.gov> wrote:
Hi Kasey and Brian,

Julie Michaelson at FWS gave me your contact info as likely being able to help me come up with a general cost estimate for the following task, with the first part not italicized likely being the request I have of you.

Develop NHDPlus High Resolution hydrography framework, which extends the hydrologic network seamlessly across the terrain by sub-watershed units and stream channels for 1D and 2D channels. Directional flow will be mapped throughout the catchment areas. Open water bodies to include lakes and ponds will be extracted using hydro- enforced elevation data and recently acquired ortho-imagery. *Observational data on the drainage network, such as water quality samples, stream gauge measurements, or fish distribution, would be linked to the framework, integrating data and facilitating analyses required during all phases of exploration and development.* (Cost to support existing NHD efforts and training for staff: \$\$\$, potential leads: USGS, USFWS, BLM, other Cooperating Agencies)

Could either of you call or email me to discuss or provide an estimate? I could really use this info by 2pm today. Welcome any feedback on the project description as well.

Thank you!
Wendy

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

--

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

The National Map - Your Source for Topographic

To: Wendy Loya[wendy_loya@fws.gov]
From: Bud Cribley
Sent: 2018-02-26T14:19:30-05:00
Importance: Normal
Subject: Re: Arctic Refuge 1002 Area Resource Assessments: 2018 Priority Information Needs
Received: 2018-02-26T14:19:37-05:00

Thank you.
Bud

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

Sent from my iPad

On Feb 26, 2018, at 1:58 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Dear Colleagues,

Attached is a list of the studies that were submitted yesterday by Greg Siekaniec to BLM per their request at the January 19th Oil and Gas overview. At that meeting, BLM asked on the spot what our priority information needs were to get to an EIS for Oil and Gas for the 1002 area. We deferred until you all had the chance to compile the Resource Assessments you completed by February 16th.

The Resource Assessments are very good, and show the effort that you all took in reaching out to BLM Arctic Field office staff and other experts to understand what information we need to make decision, identifying what we have and studies that will help fill knowledge gaps. When compiled all together, we had over 86 recommended studies.

I then worked with your division points of contact (Drew Crane, Eric Taylor, John Trawicki, Steve Berendzen, and Joanna Fox) as well as Steve Arthur, Sarah Conn and Paul Leonard to identify a prioritization framework. Paul and I further consulted with the NPRA Table 2.3 Stipulations; BLM Arctic Field Staff, industry, FWS staff and others to come up with a list of 10 Studies, *not including Polar Bears*, that appear to be needed to: 1) meet an near-term regulatory need, 2) needed to identify Stipulations/BMPs in writing the EIS or completing the EIS in other ways, or 3) pertained to Exploration (primarily seismic activity).

Thus, our focus was on needing to start now to have information in the next few months to next 2 years. We combined some studies recommended separately, and that changed some budgets that were provided. The details of most of the studies in the

table need to be fleshed out, and we need a budget(!). Paul and I will work with you all to share what further information we may have and help facilitate those conversations with additional partners as needed. Polar Bears were removed from consideration as high priority studies as those research needs had already been identified and submitted to BLM/FWS.

You won't see all of the important work that was recommended in the table, but that does not mean it shouldn't be done. We thought some of it could wait a little while, even if just a year. Other studies may be done by industry once they hold leases in as soon as 2 years. Also, note that it may take about 10 years to begin development, so we have time to start baseline studies for pre-development data, which will be one of our next priorities. We'll know more about the potential economically recoverable oil estimates when USGS completes its re-analysis of the vintage 2D seismic later in 2018, and that and the information we hope to collect from the studies in the Priority Information Needs Table will help us target our studies starting in 2019.

John Martin, Paul Leonard and I will continue to work with you all to compile the full Resource Assessments into a science plan for the Arctic Refuge 1002 Area. It will be a "living" document as we learn more and work with BLM on the EIS for Leasing, once that starts.

I welcome any questions you have about the process or list.

Sincerely
Wendy

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

<Priority Information Needs for the Arctic National Wildlife Refuge 1002 Area
Final 022518.docx>

To: Wendy Loya[Wendy_loya@fws.gov]
From: Martin, John
Sent: 2018-02-28T17:50:49-05:00
Importance: Normal
Subject: Re: FW: Last call for agenda items or meeting cancelled today: FWS_Arctic
Refuge_Weekly_POC_Updates
Received: 2018-02-28T17:57:51-05:00

Wendy

Everything is good. I missed the email and was basing the day's schedule on the meeting invite. With that many absences, I can appreciate canceling.

Thanks

John

On Wed, Feb 28, 2018 at 1:06 PM, Wendy Loya <Wendy_loya@fws.gov> wrote:

John M,

I apologize if it was not clear from my email, but I did send this out to everyone on the invite, including you, this morning at 9am. I apologize if I did not make it clear the meeting would be cancelled unless otherwise noted.

Sincerely,

Wendy

From: Wendy Loya [mailto:wendy_loya@fws.gov]
Sent: Wednesday, February 28, 2018 9:04 AM
To: John Trawicki <john_trawicki@fws.gov>; Tracy Fischbach <tracy_fischbach@fws.gov>; John Martin <john_w_martin@fws.gov>; Steve Berendzen <steve_berendzen@fws.gov>; Stephanie Brady <stephanie_brady@fws.gov>; Socheata Lor <socheata_lor@fws.gov>; Eric Taylor <eric_taylor@fws.gov>; Doug Damberg <doug_damberg@fws.gov>; Drew Crane <drew_crane@fws.gov>; Joanna Fox <joanna_fox@fws.gov>
Subject: Last call for agenda items or meeting cancelled today: FWS_Arctic
Refuge_Weekly_POC_Updates

Hi Everyone,

We have quite a few people out of the office (Soch, Doug, Drew) and I would like to suggest we cancel the meeting this afternoon from 1 2pm, unless you have a high priority item you have not added to the rolling agenda.

FWS Arctic Refuge Weekly POC updates

The items on the to do list are:

- I will follow up with Resource Assessment Team Leads on projects we identified on the Priority Information Needs spreadsheet to solicit a Statement of Work and any ideas for funding sources
- If you do not have access to the R7Common Drive that has the 1002 Arctic Refuge folder, will you please contact IT to find out how to get access to that drive? If Fairbanks collectively does not have access, perhaps work together?
- FOIA: We still need a plan in place for this inter divisional effort.

I will be out all next week, returning on March 12th. John Trawicki will take on coordination in my absence, so please contact him with questions and please cc me so I can catch up quickly when I return (I will be out of email contact).

Thank you all,

Wendy

Dr. Wendy M. Loya,

Arctic Program Coordinator, Office of Science Applications

US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.227.2942 (mobile)

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

From: john_trawicki@fws.gov [mailto:john_trawicki@fws.gov] **On Behalf Of** john_trawicki@fws.gov

Sent: Tuesday, February 27, 2018 4:04 PM

To: john_trawicki@fws.gov; wendy_loya@fws.gov; tracy_fischbach@fws.gov; john_w_martin@fws.gov; steve_berendzen@fws.gov; stephanie_brady@fws.gov; socheata_lor@fws.gov; eric_taylor@fws.gov; doug_damberg@fws.gov; drew_crane@fws.gov; joanna_fox@fws.gov

Subject: FWS Arctic Refuge Weekly POC Updates

When: Wednesday, February 28, 2018 10:00 PM-11:00 PM (UTC) Coordinated Universal Time.

Where: FWS-FW7 Science Application Conference Room/Regional Office

<p>Agenda and call in for weekly Meeting</p><p> </p><p>Rolling agenda and notes in Google Docs:</p><p>https://docs.google.com/document/d/1xmo2N2wn5jqdGaORCldQ29gTvWb93TaTJCIL5BqsXm0/edit</p><p> </p><p>Join by Vidyo to Refuges Conference Room</p><p>or call in **b5 - CIP** | passcode: **b5 - CIP** </p><p> </p>

To: Leonard, Paul[paul_leonard@fws.gov]
Cc: Wendy Loya[wendy_loya@fws.gov]
From: Matz, Angela
Sent: 2018-03-13T20:26:15-04:00
Importance: Normal
Subject: Re: Due March 9th: Review Arctic Refuge 1002 area Resource Assessment Recommended Studies Table
Received: 2018-03-13T20:27:05-04:00

Hi paul and Wendy,

1. An outside contractor would not be ideal but if we can't hire anyone then yes. A contracted cost would roughly cost \$600 - 800K.
2. I've asked for clarification from the Air Quality team and will send that along as soon as I get it.

Thanks, Angela

On Tue, Mar 13, 2018 at 3:56 PM, Leonard, Paul <paul_leonard@fws.gov> wrote:

Hi Angela,
I wanted to follow up with you on a couple of items.

1. Do you have any cost estimates for the Line 30 project you mention in text? It looks like you're suggesting an outside contractor -- any rough outline for cost?
2. In the excel table you provided for Air Quality -- The row below has multiple cost estimates in the last 3 columns that do not agree and are a bit confusing. Can you simplify these a bit?

...

[Message clipped]

--

Angela Matz, Ph.D.
U.S. Fish and Wildlife Service
4700 BLM Road Anchorage, AK 99507 2546
angela_matz@fws.gov
Phone: 907 271 2778 Cell: 907 750 8527
Fax: 907 271 2786 Toll Free: 1 800 272 4174

To: Wendy M. Loya, PhD[wendy_loya@fws.gov]
From: Miller, Mark
Sent: 2018-03-14T13:58:40-04:00
Importance: Normal
Subject: Fwd: ~Final agenda - Annual North Slope Studies Review Meeting, March 20th, Anchorage
Received: 2018-03-14T13:58:51-04:00
[2018_0320_ANSSR_Agenda.docx](#)

Wendy - please share with appropriate FWS staff.
Thanks - Mark

Mark E. Miller, PhD | Deputy Director
North Slope Science Initiative | <http://www.NorthSlopeScience.org>
Email: memiller@blm.gov | Office: 907-271-3212 | Mobile: 907-231-9427
c/o Bureau of Land Management | Alaska State Office | State Director's Office
222 West 7th Avenue, #13 | Anchorage, AK 99513

"We are drowning in information, while starving for wisdom. The world henceforth will be run by synthesizers, people able to put together the right information at the right time, think critically about it, and make important choices wisely."

E. O. Wilson, *Consilience*

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

From: Miller, Mark <memiller@blm.gov>
Date: Wed, Mar 14, 2018 at 9:54 AM
Subject: ~Final agenda - Annual North Slope Studies Review Meeting, March 20th, Anchorage
To: Matt Whitman <mwhitman@blm.gov>, "Wendy M. Loya, PhD" <wendy_loya@fws.gov>, John Pearce <jpearce@usgs.gov>, Grant Hilderbrand <ghilderbrand@usgs.gov>, Jeremy Littell <jlittell@usgs.gov>, Stephen Gray <sgray@usgs.gov>, Sue Rodman <sue.rodman@alaska.gov>, Melissa Head <melissa.head@alaska.gov>, "Maher, Kimberley (DNR)" <kimberley.maher@alaska.gov>, haley.mcintyre@alaska.gov, rona.hurst@alaska.gov, Julie Lina <julie.lina@caelusenergy.com>, "McGhee, Robyn E" <robyn.e.mcgee@conocophillips.com>, "Pohl, Christina HM" <Christina.Pohl@bp.com>, "Reep, Brien E" <brien.e.reep@exxonmobil.com>, Beth Sharp <esharp@hilcorp.com>, Heather Crowley <heather.crowley@boem.gov>, "Robyn P. Angliss, PhD" <robyn.angliss@noaa.gov>, Lois DalleMolle <lois_dalle-molle@nps.gov>, Bob Bolton <wrbolton@alaska.edu>, David Cairns <cairns@tamu.edu>, Jim Hemsath <jhemsath@aidea.org>, Linda Brewer <linda.brewer@t-3strategies.com>, Lorene Lynn <lorene.lynn@rmcalaska.com>, Martin Robards <mrobards@wcs.org>, Robert Suydam <robert.suydam@north-slope.org>, Scott Pegau <wspogau@pwssc.org>, Sheyna Wisdom <sheyna.wisdom@fairweather.com>, Robert Meyer <rmeyer@att.net>, Todd Brinkman <tjbrinkman@alaska.edu>, Brian Person <brian.person@north-slope.org>, Catherine Coon <catherine.coon@boem.gov>, Gordon Brower <gordon.brower@north-slope.org>, Leanna Mack <Leanna.Mack@north-slope.org>, Qaiyaan Harcharek <qaiyaan.harcharek@north-slope.org>, Ron Heintz <ron.heintz@noaa.gov>, Jason Bergerson <Jason.Bergerson@north-slope.org>, Kevin Pendergast <kevin.pendergast@bsee.gov>, Serena Sweet <ssweet@blm.gov>, "Miriam (Nicole) Hayes" <mnhayes@blm.gov>, "Rice, Stephanie" <srice@blm.gov>, Marlo Draper <mdraper@blm.gov>, "Burns, Casey" <ctburns@blm.gov>, Scott Guyer <sguyer@blm.gov>, "Kenneth (Alan) Peck" <kpeck@blm.gov>, Matthew Varner <mvarner@blm.gov>, Eric Geisler <egeisler@blm.gov>, "Brumbaugh, Robert"

<rbrumbau@blm.gov>, Zachary Lyons <zlyons@blm.gov>, "Nichelle (Shelly) Jones" <njones@blm.gov>, Sarah LaMarr <slamarr@blm.gov>, "Fritz, Stacey" <sfritz@blm.gov>, Debbie A Nigro <DNigro@blm.gov>, Richard Kemnitz <rkemnitz@blm.gov>, Donna Wixon <dwixon@blm.gov>, "Krystal (Melody) Debenham" <kdebenham@blm.gov>, "Bryant, Lonnie" <lbryant@blm.gov>, Cindy Hamfler <chamfler@blm.gov>
Cc: "Sara W. Longan" <slongan@blm.gov>, Lisa Gleason <lgleason@blm.gov>, Jess Grunblatt <jgrunbla@alaska.edu>

Colleagues -

Attached, a ~final agenda for next Tuesday's Annual North Slope Studies Review (ANSSR) meeting.

LOCATION AND DIRECTIONS

The meeting will be held in the Executive Dining Room on the first floor of the U.S. Courthouse & Federal Building on 7th St. in downtown Anchorage.

Meeting participants will have to pass through a security checkpoint (similar to airport security) when they enter the building via the 7th or 8th St. entrances. Please plan accordingly and arrive early.

The Dining Room is in the southeast corner of the building nearest the 8th St. entrance. Veer to your right as you enter the coffee shop, then proceed past the Dreyer's ice cream and through the cafeteria. The entrance to the dining room is on the far east end of the cafeteria to the right of the cash registers.

REMOTE PARTICIPATION

For those unable to attend the meeting in person, you may participate remotely via the following:

GoToMeeting: **b5 - CIP**

Teleconference line: **b5 - CIP** **Passcode** **b5 - CIP**

LUNCH

During the last 20 minutes of the 1-hr lunch break, Sheyna Wisdom (NSSI Science Technical Advisory Panel member and Vice Chair) has kindly agreed to share a presentation entitled "Cross-Cultural Awareness Strategies with Alaska Communities, CSESP (Chukchi Sea Environmental Studies Program) - a case study."

To benefit from this presentation, we ask that you consider obtaining your lunch snacks from the coffee shop or cafeteria (or from home), then returning to the dining room to eat and listen.

SPEAKERS

Thanks once again for your willingness to speak and participate in this meeting.

If possible to do so, I ask that you provide your presentation to me, Lisa Gleason, and Jess Grunblatt (email addresses below) by close of business on Monday the 19th.

memiller@blm.gov

lgleason@blm.gov

jgrunbla@alaska.edu

If you're not able to provide it in advance, please bring your presentation to the meeting on a flash drive and ensure that you arrive early so that we can transfer it to the conference computer. (Even if you do provide in advance, I suggest that you bring your presentation on a flash drive as a back-up.)

THANKS TO EVERYONE -- LOOKING FORWARD TO THE MEETING NEXT WEEK

...and contact me if you have questions or corrections.

Mark

~~~~~  
**Mark E. Miller, PhD | Deputy Director**  
**North Slope Science Initiative | <http://www.NorthSlopeScience.org>**  
Email: [memiller@blm.gov](mailto:memiller@blm.gov) | Office: 907-271-3212 | Mobile: 907-231-9427  
c/o Bureau of Land Management | Alaska State Office | State Director's Office  
222 West 7th Avenue, #13 | Anchorage, AK 99513  
~~~~~

"We are drowning in information, while starving for wisdom. The world henceforth will be run by synthesizers, people able to put together the right information at the right time, think critically about it, and make important choices wisely."

E. O. Wilson, *Consilience*

To: Berendzen, Steve[steve_berendzen@fws.gov]
Cc: Trawicki, John[john_trawicki@fws.gov]; Joanna Fox[joanna_fox@fws.gov]; Paul Leonard[paul_leonard@fws.gov]; Diane Granfors[Diane_Granfors@fws.gov]; Doug Damberg[doug_damberg@fws.gov]; Wendy Loya[wendy_loya@fws.gov]
From: Arthur, Stephen
Sent: 2018-03-14T18:03:26-04:00
Importance: Normal
Subject: Re: Meeting to Discuss Science Projects/Timing/Funding
Received: 2018-03-14T18:04:11-04:00

I'm available tomorrow (8:30 would be best).
Steve

Stephen M. Arthur, Ph.D.

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

On Wed, Mar 14, 2018 at 12:25 PM, Berendzen, Steve <steve_berendzen@fws.gov> wrote:

John,

We'd also like to meet with the group tomorrow to discuss, but our schedules have some conflicts with what you proposed. Any chance we could try 8:30-9:30, or any time 12:30-2:30?

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

On Wed, Mar 14, 2018 at 9:39 AM, Trawicki, John <john_trawicki@fws.gov> wrote:

Steve B.-

Per our conversation last week. Wendy and Paul are working on finalizing the study recommendations from the Resource Assessment Report. Wendy will provide overview at 1 PM meeting today.

We would like to meet Thursday morning to discuss the recommendation from the reports, current/planned studies, funding and potential changes to ensure the Service is best positioned to provide information to ensure best management decisions are being made as oil and gas activities move forward.

Are you available Thursday 9-10 or 10-11 or 2-3? Please let me know ASAP and I will set up the meeting.

john t

--

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

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

To: Lynnda Kahn[lynnda_kahn@fws.gov]
From: Wendy Loya
Sent: 2018-03-15T20:26:40-04:00
Importance: Normal
Subject: RE: Apache Seismic
Received: 2018-03-15T20:26:44-04:00

Thank you Lynnda!

These should be helpful, and while we are really busy trying to get started with the EIS, I will take time to loop you in better as we move into scoping.

Thank you,
Best Regards,
Wendy

From: Kahn, Lynnda [mailto:lynnda_kahn@fws.gov]
Sent: Thursday, March 15, 2018 4:06 PM
To: Wendy Loya <wendy_loya@fws.gov>
Subject: Apache Seismic

Another project, this one by Apache

Lynnda

Lynnda Kahn | Fish & Wildlife Biologist

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

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To: Paul Leonard[paul_leonard@fws.gov]
From: Wendy Loya
Sent: 2018-03-16T12:22:19-04:00
Importance: Normal
Subject: FW: ~Final agenda - Annual North Slope Studies Review Meeting, March 20th, Anchorage
Received: 2018-03-16T12:22:23-04:00
2018_0320_ANSSR_Agenda.docx

Hi Paul,

What do you think about coming down to Anchorage next M-Th? We could work on compiling Resource Assessments and you could attend this NSSI Annual Studies Review Meeting with me on Tuesday to get a sense of more that is going on. Thursday I look pretty open, so we could get a lot done and then you could head back for the FishCafe presentation on Friday?

Thanks,
Wendy

From: Miller, Mark [mailto:memiller@blm.gov]
Sent: Wednesday, March 14, 2018 9:55 AM

Colleagues -

Attached, a ~final agenda for next Tuesday's Annual North Slope Studies Review (ANSSR) meeting.

LOCATION AND DIRECTIONS

The meeting will be held in the Executive Dining Room on the first floor of the U.S. Courthouse & Federal Building on 7th St. in downtown Anchorage.

Meeting participants will have to pass through a security checkpoint (similar to airport security) when they enter the building via the 7th or 8th St. entrances. Please plan accordingly and arrive early.

The Dining Room is in the southeast corner of the building nearest the 8th St. entrance. Veer to your right as you enter the coffee shop, then proceed past the Dreyer's ice cream and through the cafeteria. The entrance to the dining room is on the far east end of the cafeteria to the right of the cash registers.

REMOTE PARTICIPATION

For those unable to attend the meeting in person, you may participate remotely via the following:

GoToMeeting: **65 - CIP**

Teleconference line: **b5 - CIP** Passcode **b5 - CIP**

LUNCH

During the last 20 minutes of the 1-hr lunch break, Sheyna Wisdom (NSSI Science Technical Advisory Panel member and Vice Chair) has kindly agreed to share a presentation entitled "Cross-Cultural Awareness Strategies with Alaska Communities, CSESP (Chukchi Sea Environmental Studies Program) - a case study."

To benefit from this presentation, we ask that you consider obtaining your lunch snacks from the coffee shop or cafeteria (or from home), then returning to the dining room to eat and listen.

SPEAKERS

Thanks once again for your willingness to speak and participate in this meeting.

If possible to do so, I ask that you provide your presentation to me, Lisa Gleason, and Jess Grunblatt (email addresses below) by close of business on Monday the 19th.

memiller@blm.gov

lgleason@blm.gov

jgrunbla@alaska.edu

If you're not able to provide it in advance, please bring your presentation to the meeting on a flash drive and ensure that you arrive early so that we can transfer it to the conference computer. (Even if you do provide in advance, I suggest that you bring your presentation on a flash drive as a back-up.)

THANKS TO EVERYONE -- LOOKING FORWARD TO THE MEETING NEXT WEEK

...and contact me if you have questions or corrections.

Mark

Mark E. Miller, PhD | Deputy Director
North Slope Science Initiative | <http://www.NorthSlopeScience.org>
Email: memiller@blm.gov | Office: 907-271-3212 | Mobile: 907-231-9427
c/o Bureau of Land Management | Alaska State Office | State Director's Office
222 West 7th Avenue, #13 | Anchorage, AK 99513

"We are drowning in information, while starving for wisdom. The world henceforth will be run by synthesizers, people able to put together the right information at the right time, think critically about it, and make important choices wisely."

E. O. Wilson, *Consilience*

To: Wendy Loya[wendy_loya@fws.gov]
From: Nigro, Debora
Sent: 2018-03-16T15:01:48-04:00
Importance: Normal
Subject: Open File Reports from BLM regarding tundra damage
Received: 2018-03-16T15:02:23-04:00
[Ublu Crossing Willow Protection Report.pdf](#)
[Grizzly Ice Road report - final.pdf](#)
[Ice Road Demo 2004.PDF](#)
[iceroads_Yokel et al 2007 OFR112.pdf](#)
[trails_report_2014-10_w_cover&apps.pdf](#)

Hi Wendy,

Attached are Dave Yokel's reports and some others I thought you might find interesting. You might want to ask for access to the ConocoPhillips site where they store all their publicly available reports as there are a lot of them that have been done on vegetation in NPR-A, State of Alaska Lands on the Colville River Delta and in the Kuparuk and Prudhoe Bay oilfields. To request access call 1-866-322-2825 and request access to the ConocoPhillips Environmental Studies Extranet Site. Let me know if I can help in any other way.

Deb

--

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

To: Wendy Loya[Wendy_loya@fws.gov]
From: LaKowski, Susan
Sent: 2018-03-20T15:06:55-04:00
Importance: Normal
Subject: Re: Due 3/19 10am Arctic Refuge 1002 EIS: Request for potential author/reviewer info
Received: 2018-03-20T15:08:20-04:00
BIO for Coastal Plain Leasing EIS LaKowski.docx

Good morning Wendy.

Attached is my information. I apologize for the late response. I have been out of the office.

Susan LaKowski
Realty Specialist
(907) 786-3566

susan_lakowski@fws.gov

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

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 Fri, Mar 16, 2018 at 9:08 AM, Wendy Loya <Wendy_loya@fws.gov> wrote:

Dear FWS Colleagues,

You have been identified as a potential writer and/or reviewer for the Arctic Refuge 1002 Area "Coastal Plain EIS." BLM has requested information on all DOI employees that have been identified by their agency. Please see the request below, and provide me your ½ page max response in Word, to be forwarded to BLM Alaska and then shared upwards in DOI. Please contact me or your supervisor if you have any questions.

Please provide a response BY 10am March 19th.

We are in the process of developing a dedicated interdisciplinary team to support the development of the Coastal Plain Leasing EIS. Your name was given as a subject matter expert for one or more areas in the Coastal Plain Leasing EIS. So that we may ensure we are allocating our resources as efficiently as possible and pairing the correct

0000009210

personnel with the correct resources, please provide a short bio using the template below. Limit this to no more than one-half page.

1. Name
2. Agency
3. Job Title
4. Area of Expertise
5. Education: *any post-secondary degrees*
6. Years and type of experience: *Please include most relevant large projects you have worked on and role; and most relevant documents you have authored or published; etc.*

Thank you!

Wendy

Dr. Wendy M. Loya,

Arctic Program Coordinator, Office of Science Applications

US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.227.2942 (mobile)

To: Mark Miller[memiller@blm.gov]

From: Wendy Loya

Sent: 2018-03-21T12:13:36-04:00

Importance: Normal

Subject: Use this one please!

Received: 2018-03-21T12:13:49-04:00

FWS Resource Assessments and Science Planning for the Arctic Refuge Coastal Plain for NSSI
032108.pptx

Just a small diagram included

To: Paul Leonard[paul_leonard@fws.gov]; Wendy Loya[wendy_loya@fws.gov]; Janet Jorgenson[janet_jorgenson@fws.gov]; Diane Granfors[Diane_Granfors@fws.gov]
From: Trawicki, John
Sent: 2018-03-21T19:37:55-04:00
Importance: Normal
Subject: Fwd: DU veg mapping on the Tongass
Received: 2018-03-21T19:38:56-04:00
[DU 2009 Stikine river veg mapping report.pdf](#)

fyi

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

From: **Rose, Joshua** <joshua_rose@fws.gov>
Date: Wed, Mar 21, 2018 at 12:29 PM
Subject: DU veg mapping on the Tongass
To: John Trawicki <john_trawicki@fws.gov>

John,

I came across this 2009 report from DU for a land cover map they did on the Tongass. It gives a really good overview of the mapping process and issues in data collection.

Of particular note: 1) The product had an overall accuracy of 81.9 %. 2) On the ground data were collected and used for model development and accuracy assessment. It appears the power analysis recommended an N 50 for each cover class but they were only able to get an overall sample of 231 due to funding limitations 3) 39 cover classes were developed and are similar to the number of cover classes (32) in the Land Fire Vegetation map.

Hope this helps and can be a useful discussion tool as you guys move forward.

Thanks,

Josh

--

Joshua Rose
Aquatic Ecologist
USFWS Region 7 I&M
101 12th Ave., Rm 216
Fairbanks, AK 99701
phone: (907) 456-0409

--

John Trawicki
Water Resources Branch Chief
National Wildlife Refuge System, Alaska
U.S. Fish and Wildlife Service
1011 E. Tudor Road

0000009213

Anchorage, AK 99503
Work: (907) 786-3474
Mobile: (907) 360-1656

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

To: John Pearce[jpearce@usgs.gov]
From: Wendy Loya
Sent: 2018-03-22T20:53:21-04:00
Importance: Normal
Subject: Chain of communication
Received: 2018-03-22T20:53:25-04:00

Sounds good John. I apologize. My level of frustration with creating an IAA with 57% overhead peaked out today. I have so much coming in and going out today, I included the scientists from USGS that were recommended from our staff on the snow study for efficiency as that information is needed ASAP for the fuel and logistics planning.

I do appreciate how you have handled all of our requests, so I did not mean to bypass the process in place that is working 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 [mailto:jpearce@usgs.gov]
Sent: Thursday, March 22, 2018 4:47 PM
To: Wendy Loya <Wendy_loya@fws.gov>
Subject: Re: Airborne snow mapping in 1002 area next month

Hi Wendy,

In the future, please send inquiries such as the one below, and the one earlier to Dee Williams, directly to me and not to USGS scientists or other members of our leadership team. Aimee Devaris designated me as the USGS science coordinator for the 1002 area and it is creating some confusion when others are asked to assist. I am available to coordinate with folks in the USGS both in Alaska and nation-wide and will get you a response as fast as I'm able.

Thanks!
John

John M. Pearce, Ph.D.
Supervisory Wildlife Biologist
Manager, Wetland and Terrestrial Ecosystems Office
U.S. Geological Survey, Alaska Science Center
4210 University Drive
Anchorage, Alaska 99508
Tel. 907.786.7094

Email: jpearce@usgs.gov

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

On Thu, Mar 22, 2018 at 2:56 PM, Wendy Loya <Wendy_loya@fws.gov> wrote:

Dear Beaufort Sea Polar Bear Researchers,

Please share with others as needed...

The FWS Arctic LCC has been working with Matthew Sturm (UAF) and Frank Urban (USGS) to identify a preliminary study to gather information on snow depth in the Arctic National Wildlife Refuge 1002 area. Matthew was able to secure funding to fly LiDAR and Structure for Motion imagery over a select area of the coastal plain, and now we are looking for feedback on areas of interest. We see this as an opportunity to have data at three scales for a point in time (April 10-19, 2018): ground measurements, aircraft based imagery and satellite remote sensing data, to give us some quantitative information to inform further discussions. Our goals are two-fold: 1) To work with you all to determine if we can refine existing models or work with to create new models that annually identify snow drifts with highest probability to create potential polar bear denning habitat; and 2) to establish how to monitor for minimum snow required for winter tundra travel to protect taller stature vegetation (tussocks and shrubs) in the 1002 area during exploration and development.

Frank Urban would lead the ground survey team by snowmachine while Matthew and Chris Larson fly. Frank has three remote snow/temperature monitoring stations on the 1002 Coastal Plain, including Camden Bay, March Creek and Niguanik. They have proposed the following for the snow survey, but are looking for feedback on what areas would be of interest:

Are there any priority areas in the 1002 area that you would want to see mapped for snow depth? with the budget we have, and time, we can cover two 15 by 4 km swaths. Our current plan is to lay these over areas that we measured in 2014 with some measurements in 2015. One swath would be from Camden Bay south to Marsh Creek; the other from just south of Kaktovik SE to Niguanik. If there is some other location that has high priority please let us know.

Our field protocols emphasize the collection of a large number of snow depth values, which allow us to proof the structure from motion snow depth maps. we will also collect some snow stratigraphy and density, which will allow us to convert depths to water and to think about over-snow trafficability issues. Other aspects of the snow of interest?

I would be grateful for your feedback based on your knowledge and experience with polar bear denning to identify the what might be useful. I understand that early winter snow depth is potentially more relevant to polar bear denning habitat selection, but I do hope that this information will help us understand general snow depth/redistribution patterns associated with topography. I will also be consulting the Arctic National Wildlife Refuge staff for other

insights into terrain variation that could affect snow depth for winter tundra travel.

Thank you in advance for your time. I know that those of you from USGS are out in the field looking for bears, but I hope you'll have a chance to share your thoughts early next week or let me know what additional information you may need and when you might be able to reply.

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)

To: Dee Williams[dmwilliams@usgs.gov]
From: Wendy Loya
Sent: 2018-03-22T20:54:40-04:00
Importance: Normal
Subject: RE: Snow Survey in 1002 area
Received: 2018-03-22T20:54:43-04:00

Thank you, Dee. I apologize if elevating this to your attention caused problems 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: Williams, Dee [mailto:dmwilliams@usgs.gov]
Sent: Thursday, March 22, 2018 4:36 PM
To: Wendy Loya <Wendy_loya@fws.gov>
Cc: John Pearce <jpearce@usgs.gov>; Frank Urban <furban@usgs.gov>
Subject: Re: Snow Survey in 1002 area

Hi Wendy: Thanks for the note. Apparently a decision will not be forthcoming about this until next week after DOI leadership in Alaska can agree on priorities for action in the face of new instruction from the Department. John Pearce is representing USGS on this particular planning work group so its best to continue to coordinate directly with him, as he communicates regularly with the Regional Office on these matters. Cheers.

On Thu, Mar 22, 2018 at 12:57 PM, Wendy Loya <Wendy_loya@fws.gov> wrote:
Hi Dee,

This project was identified in the FWS's Resource Assessment process for science needs for the 1002 area. It rose to being one of about 10 high priority studies, and due to Dr. Matthew Sturm's ability to get rapid-response NASA funding, we can gather information April 10-19th, 2018 that we can use to inform discussions on monitoring needed to inform seismic permitting as well as conversations about how to refine polar bear habitat mapping between FWS and USGS. It is not the only data needed, but will provide an initial datapoint to evaluate accuracy of remote sensing products and design a better study. Frank is seeking \$8,000 to cover his travel to Alaska, buy fuel for BLM provided vehicles including snowmachines, supplies needed for the trip and shipping equipment to Alaska. I understand from Frank there is a 57.81% overhead for the IAA and I am not clear if the same overhead applies to an ITA. The total amount is not large, FWS is willing to cover it, but I also feel it is small enough request that it was worth asking you all.

Thank you,

Wendy

Purpose	Need	Recommended Action	Projected Annual Cost	USGS Comments via John Pearce
<p>Create and/or Evaluate Snow Distribution Models to capture snow depth across the 1002 Area</p>	<p>To be able to identify annually snow drifts with highest probability to create potential polar bear denning habitat (MMPA/ESA). To establish minimum snow required for winter tundra travel to protect taller stature vegetation in 1002 area during exploration and development.</p>	<p>Snow depth and drifting monitoring and calibration of snow model for 1002 area. A combination of snow, wind and temperature monitoring stations and ground surveys, as well as high-resolution digital elevation models will be necessary to create a more accurate snow model for the 1002 area. UAF has received funding from NASA to collect aircraft-based imagery of snow levels in April 2018, and funding is needed for fuel, lodging and ground truthing by snowmachine surveys. This would provide a preliminary baseline for snow depth in polar bear denning habitat and for winter tundra travel. Continued operation of 3 remote meteorological stations provides continuous temperature, wind and precipitation (including snow). Addition of 2-3</p>	<p>2018: \$12K for winter fieldwork; \$30-100k SNOTEL initiation (NRCS contribution would decrease)/ \$13k per annum SNOTEL operation</p>	<p>USGS has three cl... within the 1002 ar... investigating supp... maintenance activ... Regarding snow, U... recommends conta... to explore use of r... sensed products: F... MOD10A1 and M... a snow cover para... uses the Normaliz... Snow Index (NDS... updated daily, wit... coverage dating ba... The spatial resolu... (http://nsidc.org/d...); http://nsidc.org/da.... Second, MOD10... MYD10A2 have a... parameter, but is a... product with temp... dating back to 200... (http://nsidc.org/d...); http://nsidc.org/da.... Third, the Near-r... and Snow Extent... provides daily, glo... sea ice concentrati... extent. The resolu... lower compared to... however (http://nsidc.org/d...). Last, there is NAS... data on the North... (https://nsidc.org/i...l/map).</p>

		<p>NRCS run SNOTEL sites would improve spatial coverage (\$13k annual / \$24-30k installation per site - estimates from SNOTEL (NRCS contribution possible)). This information, coupled with requested vegetation map and high resolution topography (DEM) map would be used to plan future monitoring and aerial imagery acquisition to inform an improved snow model based off the SnowDens 3D Model developed by Dr. Glen Liston through a previous NFWF grant.</p>		
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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)

To: John Trawicki[john_trawicki@fws.gov]; Steve Berendzen[steve_berendzen@fws.gov]; Joanna Fox[joanna_fox@fws.gov]; Stephanie Brady[stephanie_brady@fws.gov]; Tracy Fischbach[tracy_fischbach@fws.gov]; Drew Crane[drew_crane@fws.gov]
From: Wendy Loya
Sent: 2018-03-26T11:09:27-04:00
Importance: Normal
Subject: FW: Question about stipulations and BMPs
Received: 2018-03-26T11:09:38-04:00

Dear FWS colleagues,

Consult with BLM



Feel free to call to discuss if you have further questions or these emails don't adequately explain it.

Thanks, have a great week,
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) [mailto:mnhayes@blm.gov]
Sent: Monday, March 26, 2018 6:52 AM
To: Wendy Loya <Wendy_loya@fws.gov>
Subject: Re: Question about stipulations and BMPs

Hi Wendy,

Consult with BLM



Hope this helps.
Nicole

Nicole Hayes

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

On Fri, Mar 23, 2018 at 11:17 AM, Wendy Loya <Wendy_loya@fws.gov> wrote:
Hi Nicole,

Consult 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)

To: Wendy Loya[wendy_loya@fws.gov]
From: Cribley, Bud
Sent: 2018-03-26T12:27:38-04:00
Importance: Normal
Subject: Re: [EXTERNAL] Meeting request
Received: 2018-03-26T12:27:55-04:00

Good idea, yes I will do that.

Thanks

Bud

On Mon, Mar 26, 2018 at 12:18 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Do you want to send this to Greg Siekaniec?

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 Mar 26, 2018, at 08:00, Cribley, Bud <bud_cribley@fws.gov> wrote:

Danielle,

Thank you for reaching out and I will follow-up to see if I can help to get a meeting set up.

Bud

On Mon, Mar 26, 2018 at 11:26 AM, <Danielle.Chesky@international.gc.ca> wrote:

Bud,

Thanks for taking the call. As a follow up to the FWS/CWS bilateral on February 13, we were hoping to schedule a meeting with the Bureau of Land Management and FWS to further discuss the process and scientific basis that Canada can offer in regards to the opening of the Arctic Refuge. As our principals discussed on February 13, the long-standing 1987 Treaty or Agreement between Canada and the U.S. provides a sound basis for having these sorts of discussions, whereby each country can contribute its insights and expertise, especially as past scientific reviews from Canadian and U.S. agencies have suggested direct impacts from development within the 1002 lands on the Porcupine Caribou Herd that crosses the Alaska/Yukon border. Given the strong connection and dependence on the herd by indigenous peoples in Canada, and

the supporting 1987 Treaty, we would like to utilize the long-standing agreement and processes to continue our cross-border work and discussions.

As part of the upcoming trilateral meeting, Basile van Havre will be in town, supporting CWS at the Executive Table meeting through Thursday, April 12. Basile would have an opportunity to have an in-person discussion on April 13th with the respective BLM and FWS individuals. We would greatly appreciate any assistance that could be provided in securing this meeting.

To note, we have also been in contact with DOI's International Office, who directed us to work with our FWS counterparts, given the strong cross-border work already occurring on this and other issues.

Please don't hesitate to reach out with further questions, and hope we can secure this discussion. Thank you~

<image001.jpg>

Danielle Chesky
Environment and Energy Section, Embassy of Canada

501 Pennsylvania Avenue NW, Washington DC 20001

danielle.chesky@international.gc.ca

Tel: (202) 448-6313
Fax: (202) 448-6506

Global Affairs Canada | Affaires mondiales Canada
Government of Canada | Gouvernement du Canada

<image002.jpg>

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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

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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

To: John Pearce[jpearce@usgs.gov]
From: Wendy Loya
Sent: 2018-03-26T16:21:25-04:00
Importance: Normal
Subject: Information on snow study to be lead by Matthew Sturm et al.
Received: 2018-03-26T16:22:39-04:00
SnowNotesANWR 1002 Sturm.docx

Hi John,

Attached is information describing the “purpose” and “need” to evaluate better remote sensing technologies for snow depth. It is not a specific proposal for the effort this winter. Again, we see the April survey as gathering information to inform hypotheses that can be tested, which can relate to multiple questions. We have identified snow cover for seismic as an area where we would like this type of information, and polar bear habitat as another possible areas where greater information on annual snow conditions *might* be of use.

I did think at one point we agreed that if USGS Alaska could cover Frank Urban’s \$8,000 winter study request so that he could move ahead with logistics, FWS would cover an equivalent amount towards the Permafrost and Climate Data Collection \$20K shown in the spreadsheet titled “USGS 1002 ongoing work WS.xlsx”. That is why there was language in our table about USGS being willing to help with those costs. I believe I have removed that language from all pages in our dynamic workbook on google 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)

To: Wendy Loya[Wendy_loya@fws.gov]
From: Jorgenson, Janet
Sent: 2018-03-27T15:16:55-04:00
Importance: Normal
Subject: Re: Vegetation, etc. mapping discussion
Received: 2018-03-27T15:17:05-04:00

OK

On Tue, Mar 27, 2018 at 11:15 AM, Wendy Loya <Wendy_loya@fws.gov> wrote:

I am on a call, could call you at 130?

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 [mailto:janet_jorgenson@fws.gov]
Sent: Tuesday, March 27, 2018 11:13 AM
To: Wendy Loya <Wendy_loya@fws.gov>
Subject: Re: Vegetation, etc. mapping discussion

Hi Wendy, would you like to talk now?

On Tue, Mar 27, 2018 at 8:28 AM, Wendy Loya <Wendy_loya@fws.gov> wrote:

Hi Janet,

I am preparing to send out a doodle poll to arrange a call to discuss vegetation needs and wanted to coordinate the approach with you. If you want to chat by phone, that might be easiest, but here are my initial thoughts:

0000009227

The goal is to identify the type of landcover/landscape mapped product(s) we want to pursue, especially in 2018 so we can begin getting funding in place.

Here is where my state of knowledge is at, and I welcome additional information to better inform it: I feel that further conversations have identified a good quality vegetation map as the product most needed first for exploration, involving winter tundra travel and to inform habitat analyses prior to any project development EISes (likely several years down the road). I have not been able to get a clear understanding of how FWS uses NWI directly, but that instead a vegetation map with wetlands vegetation classes is potentially more informative. I believe I have learned that wetlands and hydrography go well together, but I am not clear on whether hydrography alone is a necessary product. BLM has indicated that a simple hillshade map provides information they often use in evaluating infrastructure citing. I have also learned that in NPRA, Industry acquires more detailed vegetation/landscape mapping, such as a product called Integrated Terrain Units that include vegetation and even habitat descriptions (I believe Torre produced these).

It seems like it would be good to get everyone up to speed on what some options are at the start the call with short (5 min) overviews of example products so we can have a sense of what has been done for other parts of the Arctic. Two I am aware of are the Ducks Unlimited landcover map for NPRA and the Tundra Plant Functional Type map contracted to ABR by Shell. I am talking to Jess Grunblatt about that this morning, and imagine that Torre might have been involved. Cost might be an issue for this approach for the FWS. If there are others you would like the group to be aware of, please let me know ASAP so I can work with you or a knowledgeable PI to include that.

I could invite someone from USGS for info about hydrography mapping (NHD). I have also reached out to Louise Smith to get more insight into how we use maps in regulatory processes, although I think those conversations have occurred among Fairbanks staff, leading to my 2nd paragraph above and the sense that vegetation classes are more useful to FWS than NWI, but that is pass-through understanding. It looks like NPRA has a NWI in the Wetlands Mapper from 2000's, but it is of course a coarse classification.

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)

--

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

-

907-456-0216

--

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

907-456-0216

To: Patrick Lemons[patrick_lemons@fws.gov]; Mary Colligan[mary_colligan@fws.gov]; Christopher Putnam[christopher_putnam@fws.gov]
Cc: Drew Crane[drew_crane@fws.gov]
From: Wendy Loya
Sent: 2018-03-28T12:25:38-04:00
Importance: Normal
Subject: Information on snow study for 1002 Area in April
Received: 2018-03-28T12:26:01-04:00
SnowNotesANWR 1002 Sturm.docx

Hi Patrick, Mary and Christopher,

Background for the 11 am conversation.

Attached is information describing the concepts that drove Dr. Matthew Sturm to seek “seed” money from NASA for a preliminary evaluation of better remote sensing technologies for snow depth. It is not a specific proposal for the effort planned for April 10-19th, but describes the purpose and need. We see the April survey as gathering information to inform hypotheses that can be tested, which can relate to multiple questions and ultimately a study plan for snow monitoring and possibly further snow drift modeling if desired by FWS and partners. We have identified snow cover for seismic as an area where we would like this type of information, and polar bear habitat as another possible areas where greater information on annual snow conditions *might* be of use based on past conversations that lead to the SnowDens 3D model <http://arcticlcc.org/projects/management/polar-bear-den-mapping-snowdens-3d/>, as well as ideas I formulated after talking with Christopher about this winter’s FLiR study.

Follow up aircraft-based measurements in the snow-free, pre-green up period are needed to calculate snow depth in approximately mid-June. We can look at the map at the areas Matthew has proposed flying, which include the areas where the three monitoring stations are installed.

The total request for funding from FWS for this preliminary effort involving ground trothing and maintenance of the existing snow/permafrost/meteorological equipment already in the 1002 area is approximately \$8000 + overhead to Frank Urban at USGS in Colorado and travel expenses for a BLM employee in Fairbanks to accompany him (<\$2000). Frank and the BLM employee have extensive Arctic snowmachine experience associated with snow and permafrost monitoring across the north slope. Depending on how much NASA funding is available, the costs for the snow-free imagery collection would be between \$0 and \$18,800 that would go to UAF for flight, travel and image processing effort. At this time, the Arctic LCC is prepared to pay for this; a request was made to USGS AK Science Center to help cover the April costs to expedite travel planning, but that request was not approved and we have moved ahead with an IAA between FWS and USGS.

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)

0000009230

To: elizabeth_powers@fws.gov[elizabeth_powers@fws.gov]
Cc: wendy_loya@fws.gov[wendy_loya@fws.gov]
From: Diane Granfors
Sent: 2018-03-28T21:06:45-04:00
Importance: Normal
Subject: Fwd: Doodle Poll: Discussion about Vegetation, Wetlands and Hydrography mapping for Arctic Refuge 1002 area
Received: 2018-03-28T21:06:54-04:00
[ATT00001.htm](#)
[FWS 1002 area estimate and AK Hydro Status Wright 022318.docx](#)

Hi Elizabeth-

Any chance you would be able to join this meeting? Your input on where the AGC is at with vegetation mapping would be helpful.

Sent from my iPad

Diane Granfors, Alaska I&M Coordinator
National Wildlife Refuge System
US Fish and Wildlife Service

Begin forwarded message:

From: Wendy Loya <Wendy_loya@fws.gov>
Date: March 28, 2018 at 10:23:20 AM AKDT
To: Diane Granfors <diane_granfors@fws.gov>
Subject: Doodle Poll: Discussion about Vegetation, Wetlands and Hydrography mapping for Arctic Refuge 1002 area

Diane,

I just sent this out and should have included you, please see the doodle poll if you would like to be in the next steps of the Veg mapping discussion.

Thank you,
Wendy

From: Wendy Loya [mailto:Wendy_loya@fws.gov]
Sent: Wednesday, March 28, 2018 8:59 AM
To: Janet Jorgenson <janet_jorgenson@fws.gov>; Joshua Rose <joshua_rose@fws.gov>; Paul Leonard <paul_leonard@fws.gov>; Scott Guyer <sguyer@blm.gov>; 'Jess Grunblatt' <jgrunbla@alaska.edu>; Louise Smith <louise_smith@fws.gov>; John Trawicki <john_trawicki@fws.gov>
Subject: Doodle Poll: Discussion about Vegetation, Wetlands and Hydrography mapping for Arctic Refuge 1002 area

Hi Colleagues,

0000009231

I would like to organize a call to discuss how we would like to proceed with Vegetation, Wetlands and/or Hydrography mapping for the 1002 area. Please share this invite with others that you think can contribute to the conversation; I'll be touching base with FWS ecologists (birds and mammals) that have used landcover data in habitat selection analyses to either join or provide feedback before the meeting.

<https://doodle.com/poll/8t7hus9h85emkva4>

The goal is to identify the type of landcover/landscape mapped product(s) we want to pursue, especially in 2018 so we can begin getting funding in place. Attached is some background in NHD for Alaska from USGS and ACCS.

Here is where my state of knowledge is at, and I welcome additional information to better inform it: I feel that further conversations have identified a good quality vegetation map as the product most needed first for exploration, involving winter tundra travel and to inform habitat analyses prior to any project development EISes (likely several years down the road). I have not been able to get a clear understanding of how FWS uses NWI directly, but that instead a vegetation map with wetlands vegetation classes is potentially more informative. I have also learned that in NPRA, Industry acquires more detailed vegetation/landscape mapping, such as a product called Integrated Terrain Units that include vegetation and even habitat descriptions. Alaska Center for Conservation Science (ACCS) is compiling vegetation plot data for the north slope that might be useful in validating a new map.

I would like to start the call with short (5-10 min) overview of example products so we can have a sense of what has been done for other parts of the Arctic. Two I am aware of are the Ducks Unlimited landcover map for the north slope with ground truthing for the NPRA part (but not Arctic Refuge) and the Tundra Plant Functional Type map contracted to ABR by Shell. If there are others you would like the group to be aware of, please let me know ASAP so we can share that.

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)

To: Wendy Loya[Wendy_loya@fws.gov]
From: Diane Granfors
Sent: 2018-03-28T21:18:46-04:00
Importance: Normal
Subject: Re: Doodle Poll: Discussion about Vegetation, Wetlands and Hydrography mapping for Arctic Refuge 1002 area
Received: 2018-03-28T21:18:48-04:00

Thanks Wendy - I filled it out but don't think I'm critical to the discussion, so if I'm hold up in scheduling feel free to convene without me!

Sent from my iPad

Diane Granfors, Alaska I&M Coordinator
National Wildlife Refuge System
US Fish and Wildlife Service

On Mar 28, 2018, at 10:23 AM, Wendy Loya <Wendy_loya@fws.gov> wrote:

Diane,

I just sent this out and should have included you, please see the doodle poll if you would like to be in the next steps of the Veg mapping discussion.

Thank you,
Wendy

From: Wendy Loya [mailto:Wendy_loya@fws.gov]

Sent: Wednesday, March 28, 2018 8:59 AM

To: Janet Jorgenson <janet_jorgenson@fws.gov>; Joshua Rose <joshua_rose@fws.gov>; Paul Leonard <paul_leonard@fws.gov>; Scott Guyer <sguyer@blm.gov>; 'Jess Grunblatt' <jgrunbla@alaska.edu>; Louise Smith <louise_smith@fws.gov>; John Trawicki <john_trawicki@fws.gov>

Subject: Doodle Poll: Discussion about Vegetation, Wetlands and Hydrography mapping for Arctic Refuge 1002 area

Hi Colleagues,

I would like to organize a call to discuss how we would like to proceed with Vegetation, Wetlands and/or Hydrography mapping for the 1002 area. Please share this invite with others that you think can contribute to the conversation; I'll be touching base with FWS ecologists (birds and mammals) that have used landcover data in habitat selection analyses to either join or provide feedback before the meeting.

<https://doodle.com/poll/8t7hus9h85emkva4>

The goal is to identify the type of landcover/landscape mapped product(s) we want to pursue, especially in 2018 so we can begin getting funding in place. Attached is some

background in NHD for Alaska from USGS and ACCS.

Here is where my state of knowledge is at, and I welcome additional information to better inform it: I feel that further conversations have identified a good quality vegetation map as the product most needed first for exploration, involving winter tundra travel and to inform habitat analyses prior to any project development EISes (likely several years down the road). I have not been able to get a clear understanding of how FWS uses NWI directly, but that instead a vegetation map with wetlands vegetation classes is potentially more informative. I have also learned that in NPRA, Industry acquires more detailed vegetation/landscape mapping, such as a product called Integrated Terrain Units that include vegetation and even habitat descriptions. Alaska Center for Conservation Science (ACCS) is compiling vegetation plot data for the north slope that might be useful in validating a new map.

I would like to start the call with short (5-10 min) overview of example products so we can have a sense of what has been done for other parts of the Arctic. Two I am aware of are the Ducks Unlimited landcover map for the north slope with ground truthing for the NPRA part (but not Arctic Refuge) and the Tundra Plant Functional Type map contracted to ABR by Shell. If there are others you would like the group to be aware of, please let me know ASAP so we can share that.

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)

<FWS 1002 area estimate and AK Hydro Status Wright 022318.docx>

From: Google Calendar
Location: see invite
Importance: Normal
Subject: Accepted: Arctic Refuge Vegetation, Hydrography, Wetlands Mapping d... @ Tue Apr 3, 2018 10am - 11am (AKDT) (wendy_loya@fws.gov)
Start Date/Time: 2018-04-03T14:00:00-04:00
End Date/Time: 2018-04-03T15:00:00-04:00
[invite.ics](#)

Diane Granfors has accepted this invitation.

Arctic Refuge Vegetation, Hydrography, Wetlands Mapping discussion

Thank you all for your willingness to help FWS with this discussion,

We will discuss options for vegetation mapping in the context of what types of decision we need to make, including winter seismic and habitat analyses for birds and mammals, and other regulatory requirements that use these types of data.

Instant Meeting Audio # **b5-C1P**

Instant Meeting Audio Participant Passcode: **b5-C1P**

b5-C1P

Let me know if you have any questions beforehand,

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)

To: Elizabeth Powers[elizabeth_powers@fws.gov]
From: Wendy Loya
Sent: 2018-04-04T14:44:38-04:00
Importance: Normal
Subject: RE: slides
Received: 2018-04-04T17:22:28-04:00
[Vegetation mapping discussion 040318.pptx](#)



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

From: Powers, Elizabeth <elizabeth_powers@fws.gov>
Sent: Wednesday, April 4, 2018 10:29 AM
To: Wendy Loya <wendy_loya@fws.gov>
Subject: slides

Do you mind sending the slides from the Arctic veg/NHD/NWI meeting?

Elizabeth Powers, PhD
Western Alaska LCC Science Coordinator
U.S. Fish and Wildlife Services
1011 E. Tudor Rd., MS-281
Anchorage, AK 99503
Tel: 907-786-3914
Cell: 907-887-1225

To: Trawicki, John[john_trawicki@fws.gov]
Cc: Mitch Ellis[mitch_ellis@fws.gov]; Sarena Selbo[sarena_selbo@fws.gov]; Eric Taylor[eric_taylor@fws.gov]; Wendy Loya[wendy_loya@fws.gov]; Doug Damberg[doug_damberg@fws.gov]
From: Colligan, Mary
Sent: 2018-04-04T20:05:24-04:00
Importance: Normal
Subject: Re: Operations Plan 2018 1002 area
Received: 2018-04-04T20:05:31-04:00
[2018_1002_operations_plan_v2.xlsx](#)

Thanks for putting this together. I just changed some of the wording for the polar bear tagging line to be clear that USGS is investing in improved collars and we are investing in improved ear tags

On Wed, Apr 4, 2018 at 3:37 PM, Trawicki, John <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

--

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

To: Gregory Siekaniec[greg_siekaniec@fws.gov]; Karen Clark[karen_clark@fws.gov]
Cc: Doug Damberg[doug_damberg@fws.gov]; Lor, Socheata[socheata_lor@fws.gov]; Selbo, Sarena[sarena_selbo@fws.gov]; Mary Colligan[mary_colligan@fws.gov]; Wendy Loya[wendy_loya@fws.gov]; Eric Taylor[eric_taylor@fws.gov]; John Trawicki[john_trawicki@fws.gov]; Drew Crane[drew_crane@fws.gov]
From: Ellis, Mitch
Sent: 2018-04-04T20:28:12-04:00
Importance: Normal
Subject: FY18 Operations Plan 1002 Area - FWS
Received: 2018-04-04T20:28:14-04:00
[2018_1002_operations_plan FWS .xlsx](#)

Greg and Karen here is the FY18 Operations Plan for the 1002 area of Arctic NWR. The programs did a good job pulling this together on short notice and I think it accurately reflects our intended work. Let us know if you need anything more? Thanks everyone!

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

To: Crane, Drew[drew_crane@fws.gov]
From: Loya, Wendy
Sent: 2018-04-10T12:13:51-04:00
Importance: Normal
Subject: Re: FW: Invitation for FWS participation - NSSI STAP Working Group on Aircraft Disturbance
Received: 2018-04-10T12:13:58-04:00

Hi Drew,
Sounds good. We could chat on Thursday? I am in Fairbanks for the week but can give you a call....

Wendy

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

On Mon, Apr 9, 2018 at 4:33 PM, Crane, Drew <drew_crane@fws.gov> wrote:

Hi Wendy,
If not too late, ES may want to participate in this working group given potential impacts to polar bears and mig birds. We can chat about who may be a good candidate.

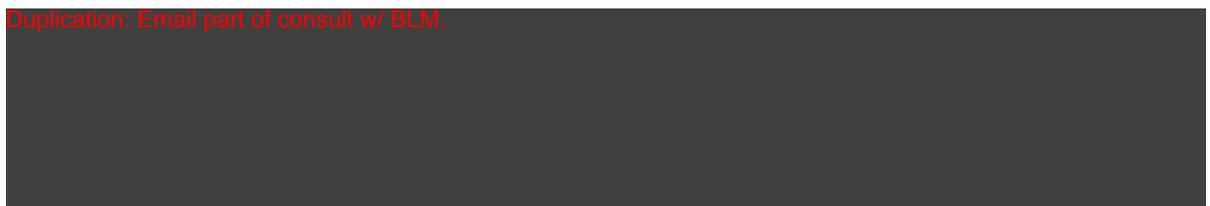
Thanks!

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 Tue, Apr 3, 2018 at 9:30 AM, Wendy Loya <Wendy_loya@fws.gov> wrote:

Hi 1002 team,

Duplication: Email part of consult w/ BLM.



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: Miller, Mark <memiller@blm.gov>

Sent: Tuesday, April 3, 2018 9:16 AM

To: Wendy M. Loya, PhD <wendy_loya@fws.gov>; Tracy Fischbach <tracy_fischbach@fws.gov>

Cc: Todd Brinkman <tjbrinkman@alaska.edu>

Subject: Invitation for FWS participation - NSSI STAP Working Group on Aircraft Disturbance

Wendy, Tracy -

Duplication: Email part of consult w/ BLM.



Thanks in advance.

0000009241

Mark

Mark E. Miller, PhD | Deputy Director

North Slope Science Initiative | <http://www.NorthSlopeScience.org>

Email: memiller@blm.gov | Office: 907-271-3212 | Mobile: 907-231-9427

c/o Bureau of Land Management | Alaska State Office | State Director's Office

222 West 7th Avenue, #13 | Anchorage, AK 99513

"We are drowning in information, while starving for wisdom. The world henceforth will be run by synthesizers, people able to put together the right information at the right time, think critically about it, and make important choices wisely."

E. O. Wilson, *Consilience*

To: Christopher Putnam[christopher_putnam@fws.gov]
From: Wendy Loya
Sent: 2018-04-11T18:05:22-04:00
Importance: Normal
Subject: FW: FWS internal intro to stips and BMPs intro material 041118.pptx
Received: 2018-04-11T18:06:06-04:00
FWS internal intro to stips and BMPs intro material 041118.pptx

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>
Sent: Wednesday, April 11, 2018 1:55 PM
To: John Trawicki <john_trawicki@fws.gov>; Stephen Arthur <stephen_arthur@fws.gov>; Drew Crane <drew_crane@fws.gov>
Subject: FWS internal intro to stips and BMPs intro material 041118.pptx

Here are a few slides to set the stage for today's discussion.....

To: Wendy Loya[Wendy_loya@fws.gov]
Cc: Joshua Bradley[joshua_bradley@fws.gov]
From: Leonard, Paul
Sent: 2018-04-12T19:43:01-04:00
Importance: Normal
Subject: Re: OSA Arctic Program and Partnership 041018.docx
Received: 2018-04-12T19:43:36-04:00
[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> 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

To: Castellanos, Gilbert[gilbert_castellanos@fws.gov]
Cc: Mitch Ellis[Mitch_Ellis@fws.gov]; Wendy Loya[wendy_loya@fws.gov]
From: Damberg, Doug
Sent: 2018-04-13T12:30:35-04:00
Importance: Normal
Subject: Re: [EXTERNAL] Porcupine Caribou Workshop/ Whitehorse May 2018/ Please respond with availability for May 2018
Received: 2018-04-13T12:30:45-04:00

Mitch:

Do you want to talk about this with Greg to see if he would like to pursue it?

Thx,

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

On Thu, Apr 12, 2018 at 2:54 PM, Castellanos, Gilbert <gilbert_castellanos@fws.gov> wrote:

The two key issues from an approval standpoint would be getting FWS-HQ-IA to approve on short notice, and I'm sure we could get DOI approval after that, assuming there was support from leadership. It would require Greg speaking with FWS-HQ.

I would think we'd want to discuss this with, and get support from, Steve W. as a first step?

Gilbert-

On Thu, Apr 12, 2018 at 2:40 PM, Doug Damberg <doug_damberg@fws.gov> wrote:

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>
Date: April 12, 2018 at 2:18:10 PM AKDT
To: Doug Damberg <doug_damberg@fws.gov>
Cc: Steve Berendzen <steve_berendzen@fws.gov>

0000009245

**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

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

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

From: **Arthur, Stephen** <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>, Steve Berendzen <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>

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>, Deana Lemke <beyondwords@northwestel.net>, Édouard Bélanger <ebelanger@grrb.nt.ca>, "Mcdonald2, Ian (PC)" <ian.mcdonald2@canada.ca>, Julia Ahlgren <Julia.Ahlgren@gov.yk.ca>, "Kyle.Russell@gov.yk.ca" <Kyle.Russell@gov.yk.ca>, "Marsha_Branigan@gov.nt.ca" <Marsha_Branigan@gov.nt.ca>, "Martin.Kienzler@gov.yk.ca" <Martin.Kienzler@gov.yk.ca>, "Leblond3, Mathieu (EC)" <mathieu.leblond3@canada.ca>, "Mike.Suitor@gov.yk.ca" <Mike.Suitor@gov.yk.ca>, "Tracy_Davison@gov.nt.ca" <Tracy_Davison@gov.nt.ca>, "beth.lenart@alaska.gov" <beth.lenart@alaska.gov>, "Brad Griffiths (dbgriffith@alaska.edu)" <dbgriffith@alaska.edu>, "jason.caikoski@alaska.gov" <jason.caikoski@alaska.gov>, Paul Leonard <paul_leonard@fws.gov>, Steve Arthur <stephen_arthur@fws.gov>, Wendy Loya <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

0000009247

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 Suitor (mike.suitor@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
Telephone 867-667-3929
Cellular: 867-333-9891
Facsimile 867-393-7970
Government of Canada
Website 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
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Téléphone 867-667-3929
Cellulaire: 867-333-9891
Télécopieur 867-393-7970
Gouvernement du Canada
Site Web www.ec.gc.ca

--

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
Phone: 907 786 3850
Fax: 907 786 3303

To: Wendy Loya[wendy_loya@fws.gov]
Cc: Crane, Drew[drew_crane@fws.gov]
From: Trawicki, John
Sent: 2018-04-15T14:57:15-04:00
Importance: Normal
Subject: Re: 1002 Pow wow
Received: 2018-04-15T14:57:56-04:00

how about Tuesday at 10 am,

I am busy from 9-10 and 11:30 to 1:45

On Fri, Apr 13, 2018 at 3:14 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

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> 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](mailto:drew_crane@fws.gov)
[Anchorage, AK 99503](mailto:drew_crane@fws.gov)
907-786-3323

2018-04-13 9:50 GMT-08:00 <Wendy_loya@fws.gov>:

--

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

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

To: Wendy Loya[Wendy_loya@fws.gov]
From: Trawicki, John
Sent: 2018-04-16T13:43:14-04:00
Importance: Normal
Subject: Re: Are you available 1130-1230 today?
Received: 2018-04-16T13:44:04-04:00

I am in training today, but will see if I can duck out for a bit. Where is the meeting?

On Mon, Apr 16, 2018 at 9:08 AM, Wendy Loya <Wendy_loya@fws.gov> wrote:

Hi John,

I am holding a meeting with Refuges leadership plus Mary and Eric to talk about staffing needs for getting into the EIS and seismic from a cross-programmatic perspective. Mitch, Soch and Doug are attending, but a more staff-level assessment would be helpful, especially if discussion about existing staff resources that might be available.

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

To: Jim Kurth[jim_kurth@fws.gov]; Stephen Guertin[stephen_guertin@fws.gov]; Greg Sheehan[greg_j_sheehan@fws.gov]; Barbara Wainman[barbara_wainman@fws.gov]; Cynthia Martinez[cynthia_martinez@fws.gov]; Gregory Siekaniec[greg_siekaniec@fws.gov]
Cc: Wendy Loya[wendy_loya@fws.gov]
From: Cribley, Bud
Sent: 2018-04-20T10:54:56-04:00
Importance: Normal
Subject: Fwd: [EXTERNAL] [FR] bud_cribley@fws.gov has sent you 'Notice of Intent To Prepare an Environmental Impact Statement for the Coastal Plain Oil and Gas Leasing Program, Alaska'
Received: 2018-04-20T10:55:25-04:00

FYI

Bud

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

From: <bud_cribley@fws.gov>
Date: Fri, Apr 20, 2018 at 10:32 AM
Subject: [EXTERNAL] [FR] bud_cribley@fws.gov has sent you 'Notice of Intent To Prepare an Environmental Impact Statement for the Coastal Plain Oil and Gas Leasing Program, Alaska'
To: bud_cribley@fws.gov

You've been sent a document from the Federal Register by bud_cribley@fws.gov.

[Notice of Intent To Prepare an Environmental Impact Statement for the Coastal Plain Oil and Gas Leasing Program, Alaska](#)

83 FR 17562 - A Notice by the Land Management Bureau published on 04/20/2018

In accordance with Section 20001 of the Tax Cuts and Jobs Act of 2017 (Tax Act), and the National Environmental Policy Act of 1969, (NEPA) as amended, and in a manner similar to the administration of lease sales under the Naval Petroleum Reserves Production Act of 1976, as amended, the Bureau of Land Management (BLM) Alaska State Office, Anchorage, Alaska, intends to prepare a Leasing Environmental Impact Statement (Leasing EIS) to implement an oil and gas leasing program within the area...

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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

To: wendy_loya@fws.gov[wendy_loya@fws.gov]; karen_clark@fws.gov[karen_clark@fws.gov]
From: Greg Siekaniec
Sent: 2018-04-20T10:59:41-04:00
Importance: Normal
Subject: NOI
Received: 2018-04-20T10:59:54-04:00

I'm sure you already have this....

You've been sent a document from the Federal Register by bud_cribley@fws.gov.

Notice of Intent To Prepare an Environmental Impact Statement for the Coastal Plain Oil and Gas Leasing Program, Alaska

83 FR 17562 - A Notice by the Land Management Bureau published on 04/20/2018

In accordance with Section 20001 of the Tax Cuts and Jobs Act of 2017 (Tax Act), and the National Environmental Policy Act of 1969, (NEPA) as amended, and in a manner similar to the administration of lease sales under the Naval Petroleum Reserves Production Act of 1976, as amended, the Bureau of Land Management (BLM) Alaska State Office, Anchorage, Alaska, intends to prepare a Leasing Environmental Impact Statement (Leasing EIS) to implement an oil and gas leasing program within the area...



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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

To: bud_cribley@fws.gov[bud_cribley@fws.gov]
From: Wendy Loya
Sent: 2018-04-20T12:20:12-04:00
Importance: Normal
Subject: Fwd: Coastal Plain
Received: 2018-04-20T12:20:21-04:00

Looks good!

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

Begin forwarded message:

From: Greg Siekaniec <greg_siekaniec@fws.gov>
Date: April 20, 2018 at 15:57:00 GMT+1
To: wendy_loya@fws.gov, karen_clark@fws.gov
Subject: **Fwd: Coastal Plain**

FYI

Sent from my iPhone

Begin forwarded message:

From: Karen Mouritsen <kmourits@blm.gov>
Date: April 19, 2018 at 8:49:44 PM AKDT
To: Greg Siekaniec <greg_siekaniec@fws.gov>, karen_clark@fws.gov
Subject: **Fwd: Coastal Plain**

Sent from my iPad

Begin forwarded message:

From: "Murphy, Ted" <t75murph@blm.gov>
Date: April 19, 2018 at 10:39:20 AM AKDT
To: Joseph Balash <joseph_balash@ios.doi.gov>, Michael Nedd
<mnedd@blm.gov>

Cc: "Wackowski, Stephen" <stephen_wackowski@ios.doi.gov>, Michael Gieryic <mike.gieryic@sol.doi.gov>, Karen Mouritsen <kmourits@blm.gov>, "Seidlitz, Joseph (Gene)" <gseidlit@blm.gov>, Aaron Moody <aaron.moody@sol.doi.gov>, "Collier, Briana" <briana.collier@sol.doi.gov>, Katharine Macgregor <kate_macgregor@ios.doi.gov>, Kathleen Benedetto <kbenedetto@blm.gov>, Brian Steed <bsteed@blm.gov>, "Miriam (Nicole) Hayes" <mnhayes@blm.gov>

Subject: Coastal Plain

On April 18, 2018 the contract for development and completion of the EIS for the Coastal Plain was awarded to Environmental Management and Planning Solutions (EMPSI), Boulder Colorado with offices in Alaska.

EMPSi has partnered with ABR, Inc., Arctic Hydrological Consultants, Stephen R. Braund & Assoc., Northern Economics, DOWL, and HDR, Inc.

Ted

--

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

To: drew_crane@fws.gov[drew_crane@fws.gov]
From: Wendy Loya
Sent: 2018-04-20T12:21:28-04:00
Importance: Normal
Subject: Fwd: Coastal Plain
Received: 2018-04-20T12:21:34-04:00

On April 18, 2018 the contract for development and completion of the EIS for the Coastal Plain was awarded to Environmental Management and Planning Solutions (EMPSI), Boulder Colorado with offices in Alaska.

EMPSi has partnered with ABR, Inc., Arctic Hydrological Consultants, Stephen R. Braund & Assoc., Northern Economics, DOWL, and HDR, Inc.

Ted

--

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

To: Clark, Karen[karen_clark@fws.gov]
Cc: Wendy Loya[wendy_loya@fws.gov]
From: Crane, Drew
Sent: 2018-04-20T13:47:07-04:00
Importance: Normal
Subject: Fwd: [EXTERNAL] Alaska Coastal Mapping Strategist
Received: 2018-04-20T13:47:16-04:00

FYI

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: Kumle, Marta (DNR sponsored) <marta.kumle@alaska.gov>
Date: Wed, Apr 18, 2018 at 3:01 PM
Subject: [EXTERNAL] Alaska Coastal Mapping Strategist
To: "wendy_loya@fws.gov" <wendy_loya@fws.gov>, "drew_crane@fws.gov" <drew_crane@fws.gov>

Hello Wendy and Drew,

Brian Wright sent me your email addresses in regards to the Arctic National Wildlife Refuge Coastal Plain program. I am working under the Alaska Geospatial Council to develop a Coastal Mapping Strategic Plan for Alaska including imagery and elevation data from lands that could be potentially flooded (sometimes more than a kilometer inshore) through the tidal zone and down to 30 meter water depth. We are seeking broad stakeholder input for mapping needs and input for the strategy.

In February we held the second Alaska Coastal Mapping Summit in Anchorage to bring stakeholders together and exchange ideas. The summit report will be finalized and distributed soon.

You can learn more about my role and the Alaska Geospatial Council's Coastal Strategy here: <http://agc.dnr.alaska.gov/coastal.html>. Please let me know if you have any coastal mapping needs and/or would like to be added to our distribution list. We are always looking for more ways to engage stakeholders so that we can better serve the coastal mapping community.

Cheers,

Marta Kumle, CH

Coastal Mapping Strategist

Alaska Ocean Observing System &

AK Dept. of Natural Resources

(907) 269-8729

To: Paul Leonard[paul_leonard@fws.gov]
From: Wendy Loya
Sent: 2018-04-25T16:00:46-04:00
Importance: Normal
Subject: Fwd: SAVE THE DATE - COASTAL PLAIN EIS KICK-OFF & INTERNAL SCOPING
Received: 2018-04-25T16:00:56-04:00

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

Begin forwarded message:

From: "Miriam (Nicole) Hayes" <mnhayes@blm.gov>
To: "wendy_loya@fws.gov" <wendy_loya@fws.gov>, "jkeeney@blm.gov" <jkeeney@blm.gov>, "kdebenham@blm.gov" <kdebenham@blm.gov>, "chillis@blm.gov" <chillis@blm.gov>, "mwhitman@blm.gov" <mwhitman@blm.gov>, "jchmielowski@blm.gov" <jchmielowski@blm.gov>, "r2king@blm.gov" <r2king@blm.gov>, "dwixon@blm.gov" <dwixon@blm.gov>, "chamfler@blm.gov" <chamfler@blm.gov>, "rgoodwin@blm.gov" <rgoodwin@blm.gov>, "kgalluzz@blm.gov" <kgalluzz@blm.gov>, "ssweet@blm.gov" <ssweet@blm.gov>, "chad.ricklefs@empci.com" <chad.ricklefs@empci.com>, "john_trawicki@fws.gov" <john_trawicki@fws.gov>, "lellis@blm.gov" <lellis@blm.gov>, "drew_crane@fws.gov" <drew_crane@fws.gov>, "rbrumbau@blm.gov" <rbrumbau@blm.gov>, "christopher_putnam@fws.gov" <christopher_putnam@fws.gov>, "kpeck@blm.gov" <kpeck@blm.gov>, "mdraper@blm.gov" <mdraper@blm.gov>, "tvosburgh@blm.gov" <tvosburgh@blm.gov>, "rkemnitz@blm.gov" <rkemnitz@blm.gov>, "sguyer@blm.gov" <sguyer@blm.gov>, "steve_berendzen@fws.gov" <steve_berendzen@fws.gov>, "ejulianus@blm.gov" <ejulianus@blm.gov>, "tbickaus@blm.gov" <tbickaus@blm.gov>, "sdallen@blm.gov" <sdallen@blm.gov>, "faith.martineau@caelusenergy.com" <faith.martineau@caelusenergy.com>, "tstclair@blm.gov" <tstclair@blm.gov>, "tracy_fischbach@fws.gov" <tracy_fischbach@fws.gov>, "joanna_fox@fws.gov" <joanna_fox@fws.gov>, "eric_taylor@fws.gov" <eric_taylor@fws.gov>, "mmccrum@blm.gov" <mmccrum@blm.gov>
Subject: SAVE THE DATE - COASTAL PLAIN EIS KICK-OFF & INTERNAL SCOPING

You have been invited to the following event.

Title: SAVE THE DATE - COASTAL PLAIN EIS KICK-OFF & INTERNAL SCOPING

We will get an agenda out in the next day or two so that you may be able to narrow down your time commitment to the time block in which we will be focused on your resource area. Stay tuned!

Thank you!

When: Thu May 3, 2018 8:30am - 4:30pm Alaska Time

Where: BLM Alaska State Office- 222 W. 7th Avenue

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

<https://hangouts.google.com/hangouts/_/doi.gov/mnhayes?hceid_bW5oYXllc0BibG0uZ292.00jpeq4uol58r4co4ovbtviemk>

Calendar: wendy_loya@fws.gov

Who:

- * mnhayes@blm.gov - organizer
- * jkeeney@blm.gov
- * kdebenham@blm.gov
- * chillis@blm.gov
- * mwhitman@blm.gov
- * jchmielowski@blm.gov
- * r2king@blm.gov
- * dwixon@blm.gov
- * chamfler@blm.gov
- * rgoodwin@blm.gov
- * jgalluzz@blm.gov
- * ssweet@blm.gov
- * chad.ricklefs@empci.com
- * john_trawicki@fws.gov
- * lellis@blm.gov
- * drew_crane@fws.gov
- * rbrumbau@blm.gov
- * christopher_putnam@fws.gov
- * kpeck@blm.gov
- * mdraper@blm.gov
- * wendy_loya@fws.gov
- * tvosburgh@blm.gov
- * rkemnitz@blm.gov
- * sguyer@blm.gov
- * steve_berendzen@fws.gov
- * ejulianus@blm.gov
- * tbickaus@blm.gov
- * sdallen@blm.gov
- * faith.martineau@caelusenergy.com
- * tstclair@blm.gov
- * tracy_fischbach@fws.gov
- * joanna_fox@fws.gov
- * eric_taylor@fws.gov

* mmccrum@blm.gov

Event details:

<https://www.google.com/calendar/event?action=VIEW&eid=MDBqcGVxNHVvbDU4cjRjbzRvdmJ0dmllbWsgd2VuZHlfbG95YUBmd3MuZ292&tok=MTUjbW5oYXllc0BibG0uZ292MWQ4MDdmOWMzMGEyNzM4YzIzZjFmMjRmMDRmMWMxZTFkMjBmYzE4ZQ&ctz=America%2FAnchorage&hl=en&es=1>

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

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To: Mary Colligan[mary_colligan@fws.gov]; Eric Taylor[eric_taylor@fws.gov]; Steve Berendzen[Steve_Berendzen@fws.gov]; Socheata Lor[socheata_lor@fws.gov]
Cc: Wendy Loya[wendy_loya@fws.gov]; John Trawicki[John_Trawicki@fws.gov]; Joanna Fox[Joanna_Fox@fws.gov]; Drew Crane[drew_crane@fws.gov]; Mitch Ellis[Mitch_Ellis@fws.gov]
From: Fischbach, Tracy
Sent: 2018-04-26T18:36:17-04:00
Importance: Normal
Subject: Re: We need to figure out who is going to the Internal Scoping Meeting for the Coastal Plain Leasing EIS next week
Received: 2018-04-26T19:02:07-04:00
[FINAL CoastalEIS IntScopAgnda 20180503.pdf](#)

Hi all,

Attached is the Agenda for the meeting. This may help in deciding who should attend. We need to let Nicole and attendees know by early next week at the latest.

Thank you, 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 Thu, Apr 26, 2018 at 2:32 PM, Fischbach, Tracy <tracy_fischbach@fws.gov> wrote:

Hi all,

Now that BLM is hiring a contractor to write the EIS, FWS is going to be contributor, not a writer. Knowing that, we need to figure out who needs to be at the internal scoping meeting this coming Thursday in order to best voice our (FWS's) concerns, known issues, and data gaps that need to be evaluated in the EIS.

Here is the list that Drew sent the Save the Date email to last week.

Christopher Putnam
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 LaKowski
Jennifer Reed
Roger Kaye
John W Martin
Doug Damberg

There appears to be multiple people from a few disciplines and no people from others (like polar bears, except for Christopher). Please advise me as to who I should tell Nicole at BLM to invite.

Thank you,
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)

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

Need Refuge land status info for Alaska?

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

[Region 7 GeoPDF Map Portal](#)

To: Trawicki, John[john_trawicki@fws.gov]
Cc: Mary Colligan[mary_colligan@fws.gov]; Eric Taylor[eric_taylor@fws.gov]; Steve Berendzen[Steve_Berendzen@fws.gov]; Socheata Lor[socheata_lor@fws.gov]; Wendy Loya[wendy_loya@fws.gov]; Joanna Fox[Joanna_Fox@fws.gov]; Drew Crane[drew_crane@fws.gov]; Mitch Ellis[Mitch_Ellis@fws.gov]
From: Fischbach, Tracy
Sent: 2018-04-27T11:28:27-04:00
Importance: Normal
Subject: Re: We need to figure out who is going to the Internal Scoping Meeting for the Coastal Plain Leasing EIS next week
Received: 2018-04-27T11:28:35-04:00

Yes, I agree. Everyone needs to attend the beginning overview if at all possible. POCs should try to be there in-person for the whole day. My limitation is that I have not seen the "final" IDT list. I have the team lead list from the Resource Assessments, but I understand that Wendy has updated list since then. I am hesitant to give our final response without seeing that. I will talk with Wendy when she returns on Monday and turn this over to her since I think she has a more comprehensive list than we have as to who is working on what.

-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)

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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](#)

On Fri, Apr 27, 2018 at 6:48 AM, Trawicki, John <john_trawicki@fws.gov> wrote:

Tracy-

It is important for all identified to attend. Or at least a significant portion of the day. Highly recommend all attend the Program Overview, any section they have an overlap (water, fish and water/shorebirds), special designations...

We need to be on the same page, understand where we are going, our roll and the steps to get there.

It is not clear to many FWS staff on what is or is not included in the EIS or how different aspects of the BLM administered Oil and Gas Leasing, Exploration and

Development Program on the Arctic NWR will comply with NEPA and be administered.

john t

On Thu, Apr 26, 2018 at 2:32 PM, Fischbach, Tracy <tracy_fischbach@fws.gov> wrote:

Hi all,

Now that BLM is hiring a contractor to write the EIS, FWS is going to be contributor, not a writer. Knowing that, we need to figure out who needs to be at the internal scoping meeting this coming Thursday in order to best voice our (FWS's) concerns, known issues, and data gaps that need to be evaluated in the EIS.

Here is the list that Drew sent the Save the Date email to last week.

Christopher Putnam
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 LaKowski
Jennifer Reed
Roger Kaye
John W Martin
Doug Damberg

There appears to be multiple people from a few disciplines and no people from others (like polar bears, except for Christopher). Please advise me as to who I should tell Nicole at BLM to invite.

Thank you,
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

--

John Trawicki

Water Resources Branch Chief

National Wildlife Refuge System, Alaska

U.S. Fish and Wildlife Service

1011 E. Tudor Road

Anchorage, AK 99503

Work: (907) 786-3474

Mobile: (907) 360-1656

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

George Bernard Shaw

To: Berendzen, Steve[steve_berendzen@fws.gov]
Cc: Loya, Wendy[wendy_loya@fws.gov]; Doug Damberg[doug_damberg@fws.gov]
From: Fischbach, Tracy
Sent: 2018-04-27T14:07:48-04:00
Importance: Normal
Subject: Re: We need to figure out who is going to the Internal Scoping Meeting for the Coastal Plain Leasing EIS next week
Received: 2018-04-27T14:07:58-04:00

Not sure. I think that's the discussion that will happen on Monday afternoon. BLM does plan to have a teleconference line open, but as you know, in person is always better. Have you heard anything from your BLM counterparts in Fairbanks? Are any of them coming down?

Tracyann S Fischbach
Natural Resources Planner
National Wildlife Refuge System - Region 7
Division of Natural Resources & Conservation Planning
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[Online Document Database \(ServCat\)](#)

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

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

[Region 7 GeoPDF Map Portal](#)

On Fri, Apr 27, 2018 at 10:03 AM, Berendzen, Steve <steve_berendzen@fws.gov> wrote:

OK - I'll plan on it.... still wondering if any other staff should fly down as well?

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

On Fri, Apr 27, 2018 at 9:59 AM, Fischbach, Tracy <tracy_fischbach@fws.gov> wrote:

Yes, I really think you should be here. This meeting is going to set the stage for how the contractor works with us and you need to be an integral player in how this happens.

-Tracy

Tracyann S Fischbach
Natural Resources Planner
National Wildlife Refuge System - Region 7

0000009272

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](#)

On Fri, Apr 27, 2018 at 9:55 AM, Berendzen, Steve <steve_berendzen@fws.gov> wrote:

Tracy,

I definitely plan to attend, and I agree with you that I should be there in person. I'm curious how important it would be for other Fairbanks staff to attend in person? This would also be helpful to me by allowing me to meet the BLM counterparts who we're regularly dealing with.

Just want to confirm that there's agreement that I should come down for it, and I'll make my flight plans for that day.

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

On Fri, Apr 27, 2018 at 7:28 AM, Fischbach, Tracy <tracy_fischbach@fws.gov> wrote:

Yes, I agree. Everyone needs to attend the beginning overview if at all possible. POCs should try to be there in-person for the whole day. My limitation is that I have not seen the "final" IDT list. I have the team lead list from the Resource Assessments, but I understand that Wendy has updated list since then. I am hesitant to give our final response without seeing that. I will talk with Wendy when she returns on Monday and turn this over to her since I think she has a more comprehensive list than we have as to who is working on what.

-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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0000009273

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

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

[Region 7 GeoPDF Map Portal](#)

On Fri, Apr 27, 2018 at 6:48 AM, Trawicki, John <john_trawicki@fws.gov> wrote:

Tracy-

It is important for all identified to attend. Or at least a significant portion of the day.
Highly recommend all attend the Program Overview, any section they have an overlap (water, fish and water/shorebirds), special designations...

We need to be on the same page, understand where we are going, our roll and the steps to get there.

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john t

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There appears to be multiple people from a few disciplines and no people from others (like polar bears, except for Christopher). Please advise me as to who I should tell Nicole at BLM to invite.

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Tracy

Tracyann S Fischbach
Natural Resources Planner
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--

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

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

George Bernard Shaw

To: Brady, Stephanie[stephanie_brady@fws.gov]
Cc: john_trawicki@fws.gov[john_trawicki@fws.gov]; Tracy Fischbach[tracy_fischbach@fws.gov]; drew_crane@fws.gov[drew_crane@fws.gov]
From: Wendy Loya
Sent: 2018-04-28T07:29:43-04:00
Importance: Normal
Subject: Updates and invitations
Received: 2018-04-28T07:29:50-04:00

Hi Stephanie,

With many of us out of the office this week, our internal communication has probably been a bit fragmented. You are or will be officially on the list for the EIS scoping meeting with BLM when we finalize it Monday, if not sooner. So please plan to attend. If you can't come in person, there will be a conference line.

Tracy put out an invite for 3 pm Monday for an internal FWS meeting to get us all caught up and plan for the May 3rd meeting.

Talk to you soon, I will be back in the office at 10am Monday.

Cheers,

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 27, 2018, at 21:19, Brady, Stephanie <stephanie_brady@fws.gov> wrote:

Hi there - I did not receive this until John T. forwarded to me - do I need to contact Nicole at the BLM to clear this up as well? Thanks. Stephanie

stephanie_brady@fws.gov | Branch Chief, Conservation Planning and Policy |
U.S. Fish and Wildlife Service | National Wildlife Refuge System | Alaska |
907.306.7448
<https://sites.google.com/a/fws.gov/alaska-region-office-of-conservation-planning-policy/home> (DOI employees)

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

From: **Trawicki, John** <john_trawicki@fws.gov>
Date: Fri, Apr 27, 2018 at 7:41 AM
Subject: Fwd: Updated invitation: SAVE THE DATE - COASTAL PLAIN EIS KICK-OFF & INTERNAL SC... @ Thu May 3, 2018 8:30am - 4:30pm (AKDT)
(john_trawicki@fws.gov)

To: Stephanie Brady <stephanie_brady@fws.gov>

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

From: **Miriam (Nicole) Hayes** <mnhayes@blm.gov>

Date: Thu, Apr 26, 2018 at 11:24 AM

Subject: Updated invitation: SAVE THE DATE - COASTAL PLAIN EIS KICK-OFF & INTERNAL SC... @ Thu May 3, 2018 8:30am - 4:30pm (AKDT)
(john_trawicki@fws.gov)

To: john_trawicki@fws.gov, sdallen@blm.gov, jchmielowski@blm.gov, ejulianus@blm.gov, chad.ricklefs@empfi.com, tracy_fischbach@fws.gov, ssweet@blm.gov, chillis@blm.gov, christopher_putnam@fws.gov, chamfler@blm.gov, sguyer@blm.gov, r2king@blm.gov, tstclair@blm.gov, jkeeney@blm.gov, rbrumbau@blm.gov, steve_berendzen@fws.gov, njones@blm.gov, craig.perham@boem.gov, jgalluzz@blm.gov, mrdrapeer@blm.gov, tmurphy@blm.gov, wendy_loya@fws.gov, tbicka@blm.gov, dwixon@blm.gov, drew_crane@fws.gov, lellis@blm.gov, mmccrum@blm.gov, joanna_fox@fws.gov, slamarr@blm.gov, rgoodwin@blm.gov, ctburns@blm.gov, kpeck@blm.gov, kdebenham@blm.gov, rkemnitz@blm.gov, faith.martineau@caelusenergy.com, mwhitman@blm.gov

This event has been changed.

[more details »](#)

SAVE THE DATE - COASTAL PLAIN EIS KICK-OFF & INTERNAL SCOPING

We will get an agenda out in the next day or two so that you may be able to narrow down your time commitment to the time block in which we will be focused on your resource area. Stay tuned!

Thank you!

When Thu May 3, 2018 8:30am – 4:30pm Alaska Time

Where **Changed:** BLM Alaska State Office- Denali Conference Room, 222 W. 7th Avenue ([map](#))

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

Calendar john_trawicki@fws.gov

Who

- mnhayes@blm.gov organizer
- sdallen@blm.gov
- jchmielowski@blm.gov
- ejulianus@blm.gov
- chad.ricklefs@empfi.com

- tracy_fischbach@fws.gov
- ssweet@blm.gov
- chillis@blm.gov
- christopher_putnam@fws.gov
- chamfler@blm.gov
- sguyer@blm.gov
- r2king@blm.gov
- eric_taylor@fws.gov
- tstclair@blm.gov
- jkeeney@blm.gov
- john_trawicki@fws.gov
- rbrumbau@blm.gov
- steve_berendzen@fws.gov
- njones@blm.gov
- craig_perham@boem.gov
- jgalluzz@blm.gov
- mdraper@blm.gov
- tmurphy@blm.gov
- wendy_loya@fws.gov
- tvosburgh@blm.gov
- tbickaus@blm.gov
- dwixon@blm.gov
- drew_crane@fws.gov
- lellis@blm.gov
- mmccrum@blm.gov
- joanna_fox@fws.gov
- slamarr@blm.gov
- rgoodwin@blm.gov
- ctburns@blm.gov
- kpeck@blm.gov

- kdebenham@blm.gov
- rkemnitz@blm.gov
- faith.martineau@caelusenergy.com
- mwhitman@blm.gov

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

Invitation from [Google Calendar](#)

You are receiving this email at the account john_trawicki@fws.gov because you are subscribed for updated invitations on calendar john_trawicki@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](#).

--

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

<invite.ics>

To: Stephanie Brady[stephanie_brady@fws.gov]
From: Loya, Wendy
Sent: 2018-05-02T13:02:41-04:00
Importance: Normal
Subject: Fwd: Apache Seismic
Received: 2018-05-02T13:03:42-04:00
[14004lmk.pdf](#)
[ApacheFONSI Signature Copy July 2013.pdf](#)
[FinalCDTNC22\(g\)SeismicApril2013.pdf](#)
[Compatibility excerpts from EA.pdf](#)
[2013-SEIS-ApacheAKCorp-4577.pdf](#)
[Refuge Response to 07.15.13 Ltr.pdf](#)

Just looking through this myself to see how it might be useful for the Arctic.

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

From: **Kahn, Lynnda** <lynnda_kahn@fws.gov>
Date: Thu, Mar 15, 2018 at 4:06 PM
Subject: Apache Seismic
To: Wendy Loya <wendy_loya@fws.gov>

Another project, this one by Apache

Lynnda

Lynnda Kahn | Fish & Wildlife Biologist

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

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To: Steve Berendzen[steve_berendzen@fws.gov]
Cc: Joanna Fox[joanna_fox@fws.gov]
From: Wendy Loya
Sent: 2018-05-02T16:15:07-04:00
Importance: Normal
Subject: RE: Seismic Applications and SUP's
Received: 2018-05-02T16:42:03-04:00

I know Fairbanks was having a hard time accessing this drive, but IT assures me it was one that all R7 should have access to.
If you can't get to it, let me know and I will move the documents onto Google Drive and share that link.

> This PC > r7common (\\ifw7rofs1.fws.doi.net) (P:) > 1002ArcticRefuge > 2-POC > Kenai Seismic Exa

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>
Sent: Wednesday, May 2, 2018 12:12 PM
To: Loya, Wendy <wendy_loya@fws.gov>
Cc: Joanna Fox <joanna_fox@fws.gov>
Subject: Seismic Applications and SUP's

Wendy,

Could you provide a link to the subject documents, or to the 1002 Folder? I can't find it or get to it.

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

To: Allen, Tim[tim_allen@fws.gov]
Cc: Collins, Catherine[catherine_collins@fws.gov]
From: Wendy Loya
Sent: 2018-05-03T15:02:15-04:00
Importance: Normal
Subject: Re: Coastal Plan Call 5/3/18
Received: 2018-05-03T15:02:23-04:00

After today's meeting we will figure out what is left to be said beyond the limited comments here today plus what was conveyed through the Resource Assessments, which we submitted. The AQ Resource Assessment seems excellent in laying out what is needed when so hopefully we can get recommendations included in Stipulations. So yes, we will be in touch in the coming weeks. We also start NEPA for a seismic application tomorrow!

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 3, 2018, at 10:57, Allen, Tim <tim_allen@fws.gov> wrote:

Hi Wendy,

We didn't go into the same level of detail as the water folks did. We figured a 20 thousand foot level would suffice. b5-DP

[REDACTED]

I'm sure air quality doesn't come across your desk too often. We'd be happy to discuss the issue with you sometime.

Thank you,
Catherine Collins and Tim Allen

On Thu, May 3, 2018 at 12:18 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Thank you for joining and sharing your thoughts!
Wendy

Dr. Wendy M. Loya, Coordinator
Office of Science Applications- Arctic Program

Anchorage, Alaska
907.786.3532 (office)
907.227.2942 (mobile)

On May 3, 2018, at 08:42, Allen, Tim <tim_allen@fws.gov> wrote:

From the Branch of Air and Water Resources in Denver, Catherine Collins and Tim Allen are the phone...

--

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

--

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

To: john_trawicki@fws.gov[john_trawicki@fws.gov]; stephanie_brady@fws.gov[stephanie_brady@fws.gov]; Tracy Fischbach[tracy_fischbach@fws.gov]; John Martin[john_w_martin@fws.gov]
From: Wendy Loya
Sent: 2018-05-03T20:50:15-04:00
Importance: Normal
Subject: Fwd: [EXTERNAL] Marsh Creek Revised Plan of Operations
Received: 2018-05-03T20:50:50-04:00
[ATT00001.htm](#)
[Marsh Creek Plan of Operations V8.1 F.pdf](#)
[Agenda.docx](#)
[ATT00002.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: "Jones, Nichelle (Shelly)" <njones@blm.gov>
Date: May 3, 2018 at 16:28:48 AKDT
To: Steve Berendzen <steve_berendzen@fws.gov>, "Fox, Joanna" <joanna_fox@fws.gov>, Wendy Loya <wendy_loya@fws.gov>
Subject: Fwd: [EXTERNAL] Marsh Creek Revised Plan of Operations

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>
Date: Thu, May 3, 2018 at 4:25 PM
Subject: Fwd: [EXTERNAL] Marsh Creek Revised Plan of Operations
To: Ted Murphy <t75murph@blm.gov>, Serena Sweet <ssweet@blm.gov>, "Jacobson, Shelly W" <njones@blm.gov>, "Wixon, Donna" <dwixon@blm.gov>, Sarah

0000009284

LaMarr <slamarr@blm.gov>

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

From: **Suzan Simonds** <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>, Donna Wixon <dwixon@blm.gov>

Cc: Christopher Putnam <christopher_putnam@fws.gov>, Marsh Creek Permitting
<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

0000009285

To: sarah_conn@fws.gov[sarah_conn@fws.gov]; Ted Swem[ted_swem@fws.gov]
Cc: mary_colligan@fws.gov[mary_colligan@fws.gov]
From: Wendy Loya
Sent: 2018-05-03T20:52:37-04:00
Importance: Normal
Subject: Fwd: [EXTERNAL] Marsh Creek Revised Plan of Operations
Received: 2018-05-03T20:52:41-04:00
[ATT00001.htm](#)
[Marsh Creek Plan of Operations V8.1 F.pdf](#)
[Agenda.docx](#)
[ATT00002.htm](#)

FYI

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)

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Date: May 3, 2018 at 16:28:48 AKDT
To: Steve Berendzen <steve_berendzen@fws.gov>, "Fox, Joanna" <joanna_fox@fws.gov>, Wendy Loya <wendy_loya@fws.gov>
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(907) 460 0086 (c)

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

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Date: Thu, May 3, 2018 at 4:25 PM
Subject: Fwd: [EXTERNAL] Marsh Creek Revised Plan of Operations
To: Ted Murphy <t75murph@blm.gov>, Serena Sweet <ssweet@blm.gov>, "Jacobson,

0000009286

Shelly W" <njones@blm.gov>, "Wixon, Donna" <dwixon@blm.gov>, Sarah LaMarr <slamarr@blm.gov>

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

From: **Suzan Simonds** <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>, Donna Wixon <dwixon@blm.gov>

Cc: Christopher Putnam <christopher_putnam@fws.gov>, Marsh Creek Permitting <MarshCreekPermitting@saexploration.com>

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Suzan Simonds
Permit and Regulatory Manager

SAExploration, Inc.
Safety Acquisition - Experience
8240 Sandlewood Pl., Suite 102
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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

To: Wendy Loya[wendy_loya@fws.gov]
From: Conn, Sarah
Sent: 2018-05-03T20:55:16-04:00
Importance: Normal
Subject: Re: [EXTERNAL] Marsh Creek Revised Plan of Operations
Received: 2018-05-03T20:55:25-04:00

Thanks Wendy!

On Thu, May 3, 2018 at 4:52 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

FYI

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: "Jones, Nichelle (Shelly)" <njones@blm.gov>
Date: May 3, 2018 at 16:28:48 AKDT
To: Steve Berendzen <steve_berendzen@fws.gov>, "Fox, Joanna" <joanna_fox@fws.gov>, Wendy Loya <wendy_loya@fws.gov>
Subject: Fwd: [EXTERNAL] Marsh Creek Revised Plan of Operations

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>
Date: Thu, May 3, 2018 at 4:25 PM
Subject: Fwd: [EXTERNAL] Marsh Creek Revised Plan of Operations
To: Ted Murphy <t75murph@blm.gov>, Serena Sweet <ssweet@blm.gov>, "Jacobson,

0000009288

Shelly W" <njones@blm.gov>, "Wixon, Donna" <dwixon@blm.gov>, Sarah LaMarr <slamarr@blm.gov>

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

From: **Suzan Simonds** <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>, Donna Wixon <dwixon@blm.gov>

Cc: Christopher Putnam <christopher_putnam@fws.gov>, Marsh Creek Permitting <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

To: Joanna Fox[joanna_fox@fws.gov]
Cc: Medeiros, Andrea[andrea_medeiros@fws.gov]; Wendy Loya[Wendy_loya@fws.gov]
From: Boario, Sara
Sent: 2018-05-04T14:02:24-04:00
Importance: Normal
Subject: Re: FAQs for FWS NOI for EIS DRAFT 041818.docx
Received: 2018-05-04T14:02:30-04:00

i can do 2-3 as well

thanks

sb

On Fri, May 4, 2018 at 9:24 AM, Joanna Fox <joanna_fox@fws.gov> wrote:

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> 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> 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> 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)

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



To: lynnda_kahn@fws.gov[lynnda_kahn@fws.gov]; bud_cripley@fws.gov[bud_cripley@fws.gov]; stephanie_brady@fws.gov[stephanie_brady@fws.gov]; john_trawicki@fws.gov[john_trawicki@fws.gov]; steve_berendzen@fws.gov[steve_berendzen@fws.gov]; joanna_fox@fws.gov[joanna_fox@fws.gov]; Tracy Fischbach[tracy_fischbach@fws.gov]
From: Wendy Loya
Sent: 2018-05-04T15:59:07-04:00
Importance: Normal
Subject: NEPA timeline from BLM for seismic
Received: 2018-05-04T15:59:14-04:00
[ATT00001.htm](#)
[Scanned from a Xerox Multifunction Printer.pdf](#)

See attached

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: <ilmakfd2Kobuk@blm.gov>
Date: May 4, 2018 at 11:31:22 AKDT
To: "wendy_loya@fws.gov" <wendy_loya@fws.gov>
Subject: Scanned from a Xerox Multifunction Printer
Reply-To: <ilmakfd2Kobuk@blm.gov>

Please open the attached document. It was scanned and sent to you using a Xerox Multifunction Printer.

Attachment File Type: pdf, Multi-Page

Multifunction Printer Location:
Device Name: ILMAKFD2Kobuk

For more information on Xerox products and solutions, please visit
<http://www.xerox.com>

To: Wendy Loya[Wendy_loya@fws.gov]
From: Cribley, Bud
Sent: 2018-05-04T16:38:42-04:00
Importance: Normal
Subject: Re: FW: Invitation: BLM USFWS Seismic Pre NEPA Kickoff Meeting @ Fri May 4, 2018 10:30am - 12:30pm (AKDT) (slamarr@blm.gov)
Received: 2018-05-04T16:38:52-04:00

Would you please include me on these meetings, even if they are working meetings.

Thanks,

Bud

On Fri, May 4, 2018 at 2:26 PM, Wendy Loya <Wendy_loya@fws.gov> wrote:

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

On Wed, May 2, 2018 at 11:39 AM, Donna Wixon <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

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

Calendar slamarr@blm.gov

- Who
- dwixon@blm.gov - organizer
 - rbrumbau@blm.gov
 - mwhitman@blm.gov
 - jkeeney@blm.gov
 - greta_burkart@fws.gov
 - stephen_arthur@fws.gov
 - tvosburgh@blm.gov
 - christopher_latty@fws.gov
 - rkemnitz@blm.gov
 - roger_kaye@fws.gov
 - steve_berendzen@fws.gov
 - lbryant@blm.gov
 - t75murph@blm.gov
 - sfritz@blm.gov
 - ted_swem@fws.gov
 - ssweet@blm.gov
 - sarah_conn@fws.gov
 - joshua_rose@fws.gov
 - wendy_loya@fws.gov

- john_trawicki@fws.gov
- slamarr@blm.gov
- joanna_fox@fws.gov
- dnigro@blm.gov
- stephanie_brady@fws.gov
- kdebenham@blm.gov
- tmeares@blm.gov
- njones@blm.gov
- 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 because you are subscribed for invitations on calendar 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](#).

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Bud C Cribley
Senior Advisor for Energy with the U.S. Fish & Wildlife Service
Office # 202-208-4331
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