

To: Colligan, Mary[mary_colligan@fws.gov]
Cc: Patrick Lemons[patrick_lemons@fws.gov]; Christopher Putnam[christopher_putnam@fws.gov]; Jeff Hastings[jhastings@saexploration.com]
From: Imm, Teresa
Sent: 2018-05-02T18:58:17-04:00
Importance: Normal
Subject: [EXTERNAL] Re: Meeting tomorrow
Received: 2018-05-02T19:04:20-04:00

Mary,

Thanks. Jeff and I will meet you at Kaladi's at 12:30pm.

Regards,

Teresa Imm
Executive Vice President – Regional & Resource Development
Arctic Slope Regional Corporation
3900 C St., Ste. 1000 Anchorage, Alaska 99503<x-apple-data-detectors://1/1>
(907) 339-6014<tel:(907)%20339-6014> direct | (907) 230-0227<tel:(907)%20230-0227> cell | (907) 339-6028<tel:(907)%20339-6028> fax
timm@asrc.com<mailto:timm@asrc.com>
[cid:image001.png@01D223E5.BA175560]

Sent from my iPhone
Please excuse the typo's

On May 2, 2018, at 2:38 PM, Colligan, Mary <mary_colligan@fws.gov<mailto:mary_colligan@fws.gov>> wrote:

[External Email]

Teresa - We look forward to meeting you tomorrow. We would like to suggest meeting at the Kaladi Brother's coffee shop on 6th Avenue across from the Dena'ina Center. We will be there by 12:30 and I will have to leave about 1:15 to get back to my other meeting, but Christopher and Patrick can stay longer to ensure we have enough time to understand your proposal and talk about next steps.

Thanks again and feel free to e-mail or call my cell number (below) if anything changes.

Mary

--

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: Klein, Kimberly[kimberly_klein@fws.gov]
From: Putnam, Christopher
Sent: 2018-02-14T18:50:14-05:00
Importance: Normal
Subject: Table for Shapefile
Received: 2018-02-14T18:50:38-05:00
ANWR PB Den Survey Ref Points.xlsx

Will you please convert this table into a shapefile? Thanks.

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

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

To: Colligan, Mary[mary_colligan@fws.gov]; Christopher Putnam[Christopher_Putnam@fws.gov]
From: Lemons, Patrick
Sent: 2018-05-02T19:43:39-04:00
Importance: Normal
Subject: Fwd: ANWR 1002 Area Regulatory Question
Received: 2018-05-02T19:43:48-04:00
[50 CFR 37.pdf](#)

I hate to say this as Christopher is cc'd here but he has some very good questions. Thought I'd loop you in given our conversation with SAE and ASRC tomorrow.

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

From: **Putnam, Christopher** <christopher_putnam@fws.gov>
Date: Wed, May 2, 2018 at 2:46 PM
Subject: ANWR 1002 Area Regulatory Question
To: Kenneth Lord <ken.lord@sol.doi.gov>
Cc: "Lemons, Patrick" <patrick_lemons@fws.gov>, "Klein, Kimberly" <kimberly_klein@fws.gov>

Hi Ken,

(b) (5) ACP
[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted] Thanks.

Christopher Putnam
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-- J.R.R. Tolkien

--

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

To: Colligan, Mary[mary_colligan@fws.gov]; Christopher Putnam[christopher_putnam@fws.gov]
Cc: Patrick Lemons[pattick_lemons@fws.gov]; Ted Swem[ted_swem@fws.gov]
From: Conn, Sarah
Sent: 2018-05-02T20:09:56-04:00
Importance: Normal
Subject: Re: 1002 seismic
Received: 2018-05-02T20:10:00-04:00

Hi Mary, Patrick, and Christopher,
Ted and I both plan to go to tomorrow's all day meeting on the 1002 area at BLM, and then we are headed back over there at 10:30am on Friday to meet about the seismic application.

Yes, please do fill us in on how your meeting tomorrow goes. Of specific interest to us will be if you developed any sort of game plan for authorization under MMPA as our consultation would clearly be linked and we don't want to give them a different message.

Maybe we can touch base late tomorrow afternoon or on Friday morning first thing if a phone call is better than email.

Thanks,

Sarah

On Wed, May 2, 2018 at 8:11 AM, Colligan, Mary <mary_colligan@fws.gov> wrote:

Sarah Wendy just stopped by to say that BLM is setting up a meeting on Friday in Fairbanks to talk about the seismic application and associated NEPA and they would like someone to talk about the polar bear consultation. I assume they are talking ESA consultation so that would fall to your office. Wendy will contact you directly but I wanted to give you a heads up.

Patrick, Christopher and I are trying to meet with ASRC and SAE tomorrow at noon so we will share whatever we learn from that meeting with you or whoever you want us to coordinate with.

Thanks

--

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: Lemons, Patrick[patrick_lemons@fws.gov]
From: Putnam, Christopher
Sent: 2018-05-02T20:19:39-04:00
Importance: Normal
Subject: Re: ANWR 1002 Area Regulatory Question
Received: 2018-05-02T20:19:39-04:00

Patrick,

Ken responded to my questions very quickly. (b) (5) ACP, (b) (5) DPP

Christopher Putnam
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-- J.R.R. Tolkien

On Wed, May 2, 2018 at 4:08 PM, Putnam, Christopher <christopher_putnam@fws.gov> wrote:

Thanks for the fast reply Ken.

Christopher Putnam
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not wither, deep roots are not reached by the frost."
-- J.R.R. Tolkien

On Wed, May 2, 2018 at 4:05 PM, Lord, Kenneth <ken.lord@sol.doi.gov> wrote:

Christopher,

Thanks for being so thorough, as usual. (b) (5) ACP

Ken

*Kenneth M. Lord
Attorney-Advisor
U.S. Dept. of the Interior
Office of the Regional Solicitor -- Alaska Region
907-271-4184*

On Wed, May 2, 2018 at 2:46 PM, Putnam, Christopher <christopher_putnam@fws.gov> wrote:

Hi Ken,

(b) (5) ACP

(b) (5) ACP

[REDACTED]

[REDACTED]

Christopher Putnam
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-- J.R.R. Tolkien

To: Klein, Kimberly[kimberly_klein@fws.gov]
From: Putnam, Christopher
Sent: 2018-05-04T20:07:38-04:00
Importance: Normal
Subject: Fwd: [EXTERNAL] Marsh Creek Revised Plan of Operations
Received: 2018-05-04T20:07:38-04:00
Marsh Creek Plan of Operations V8.1 F.pdf

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-- J.R.R. Tolkien

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

From: **Putnam, Christopher** <christopher_putnam@fws.gov>
Date: Thu, May 3, 2018 at 4:04 PM
Subject: Fwd: [EXTERNAL] Marsh Creek Revised Plan of Operations
To: "Lemons, Patrick" <patrick_lemons@fws.gov>, "Colligan, Mary" <mary_colligan@fws.gov>

Christopher Putnam
Supervisory Fish and Wildlife Biologist
Marine Mammals Management
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----- 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

To: Lemons, Patrick[patrick_lemons@fws.gov]; Klein, Kimberly[kimberly_klein@fws.gov]
From: Putnam, Christopher
Sent: 2018-05-07T18:42:54-04:00
Importance: Normal
Subject: Marsh Creek 3D Seismic ITR Timeline
Received: 2018-05-07T18:42:54-04:00
[Marsh Creek 3D Seismic Survey ITR timeline.xlsx](#)
[Marsh Creek 3D Seismic Survey in the Arctic National Wildlife Refuge Coastal Plain ITR Timeline.docx](#)

Attached is a timeline, in both word and excel, for the proposed Marsh Creek 3D seismic survey in the coastal plain of the Arctic National Wildlife Refuge. Let me know what you think.

The files are located here: M:\Regulatory_Program\Incidental_Intentional take\2018\Marsh Creek 3D Seismic Survey.

Christopher Putnam
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To: Lemons, Patrick[patrick_lemons@fws.gov]
Cc: Klein, Kimberly[kimberly_klein@fws.gov]
From: Putnam, Christopher
Sent: 2018-05-07T21:25:09-04:00
Importance: Normal
Subject: Re: Marsh Creek 3D Seismic ITR Timeline
Received: 2018-05-07T21:25:09-04:00

We can discuss it anytime. I think sooner is better than later. We don't have any time to spare, really. Any suggestions on the timeline and its assumptions?

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On Mon, May 7, 2018 at 4:03 PM, Lemons, Patrick <patrick_lemons@fws.gov> wrote:

Do we want to discuss with Mary tomorrow or do we want to discuss internally first and then setup a call with Mary later this week?

On Mon, May 7, 2018 at 2:42 PM, Putnam, Christopher <christopher_putnam@fws.gov> wrote:

Attached is a timeline, in both word and excel, for the proposed Marsh Creek 3D seismic survey in the coastal plain of the Arctic National Wildlife Refuge. Let me know what you think.

The files are located here: M:\Regulatory_Program\Incidental_Intentional take\2018\Marsh Creek 3D Seismic Survey.

Christopher Putnam
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Marine Mammals Management
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--

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e-mail: patrick_lemons@fws.gov

To: Wilson, Ryan[ryan_r_wilson@fws.gov]; Christopher Putnam[christopher_putnam@fws.gov]
From: Klein, Kimberly
Sent: 2018-05-09T14:25:18-04:00
Importance: Normal
Subject: Re: A few minutes to talk about analysis for the 10-02?
Received: 2018-05-09T14:25:18-04:00

How about tomorrow at 3?

Kimberly Klein

Incidental Take Coordinator
US Fish and Wildlife Service
907 786 3621
Kimberly_Klein@fws.gov

On Wed, May 9, 2018 at 9:55 AM, Wilson, Ryan <ryan_r_wilson@fws.gov> wrote:

I'll be gone by then. I can do it before 3

On Wed, May 9, 2018 at 9:51 AM, Klein, Kimberly <kimberly_klein@fws.gov> wrote:

How about this afternoon (wed) around 4pm?

Kimberly Klein

Incidental Take Coordinator
US Fish and Wildlife Service
907 786 3621
Kimberly_Klein@fws.gov

On Wed, May 9, 2018 at 7:39 AM, Wilson, Ryan <ryan_r_wilson@fws.gov> wrote:

Hi Kim,

I don't think I have access to your calendar, but I am free this afternoon, tomorrow late morning (after 11) and afternoon, or any time on Friday. Let me know a time that will work for you guys and we should be able to make something work.

Thanks,
Ryan

On Tue, May 8, 2018 at 4:32 PM, Klein, Kimberly <kimberly_klein@fws.gov> wrote:

Hi Ryan,

I'm wondering if Christopher and I could sit down with you and brainstorm the analytical approach to quantifying incidental take by harassment that may occur due to seismic operations in the 10-02 during winter 2018-2019 sometime this week. Do you have any time? You should be able to see my calendar, just let me know a time that works for you.

Thanks!

Kimberly Klein

Incidental Take Coordinator
US Fish and Wildlife Service
907 786 3621

Kimberly Klein@fws.gov

--

Ryan Wilson, Ph.D., Certified Wildlife Biologist ®
Marine Mammals Management, Polar Bears
U.S. Fish and Wildlife Service
1011 E. Tudor Rd., MS341
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Phone: (907) 786-3830

Email: ryan_r_wilson@fws.gov

Fax: (907) 786-3816

--

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Phone: (907) 786-3830

Email: ryan_r_wilson@fws.gov

Fax: (907) 786-3816

To: Lord, Kenneth[ken.lord@sol.doi.gov]
From: Putnam, Christopher
Sent: 2018-05-09T17:14:31-04:00
Importance: Normal
Subject: Re: ANWR Coastal Plain Seismic Survey MMPA Process Input
Received: 2018-05-09T17:14:31-04:00

Great, thanks.

Christopher Putnam
Supervisory Fish and Wildlife Biologist
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-- J.R.R. Tolkien

On Wed, May 9, 2018 at 1:06 PM, Lord, Kenneth <ken.lord@sol.doi.gov> wrote:

Okay. I'm assuming this won't take too long, so I'll plan to be there at 3:30.

*Kenneth M. Lord
Attorney-Advisor
U.S. Dept. of the Interior
Office of the Regional Solicitor -- Alaska Region
907-271-4184*

On Wed, May 9, 2018 at 12:56 PM, Putnam, Christopher <christopher_putnam@fws.gov> wrote:

Ken,
There is never a dull moment around here! It looks like Tuesday any time after 2:30 works for us.

Christopher Putnam
Supervisory Fish and Wildlife Biologist
Marine Mammals Management
U.S. Fish & Wildlife Service
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-- J.R.R. Tolkien

On Wed, May 9, 2018 at 12:43 PM, Lord, Kenneth <ken.lord@sol.doi.gov> wrote:

Things are pretty busy this week. In fact, we just got the draft walrus answer back from DOJ with more questions, so Patrick is scrambling to get responses together by mid-day tomorrow. Would Monday or Tuesday work? I'm free all day both days.

Kenneth M. Lord
Attorney-Advisor
U.S. Dept. of the Interior
Office of the Regional Solicitor -- Alaska Region
907-271-4184

On Tue, May 8, 2018 at 10:25 AM, Putnam, Christopher <christopher_putnam@fws.gov> wrote:

Hi Ken,
We anticipate receiving a request for MMPA incidental take authorization for polar bears during a seismic survey in the coastal plain of the Arctic National Wildlife Refuge this coming winter season (2018/2019). Patrick, Charlie, and I have had some conversations regarding how we will approach this request from a regulatory and process point of view. We'd like to get your input on our ideas.

What will work best for you, a face-to-face meeting, or a conference call? We would like to meet soon, this week or early next week. Please let me know what works for you.
Thanks.

Christopher Putnam

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To: Christopher Putnam[christopher_putnam@fws.gov]; kimberly_klein[kimberly_klein@fws.gov]
From: Ryan Wilson
Sent: 2018-05-17T16:42:02-04:00
Importance: Normal
Subject: 1002 dens
Received: 2018-05-17T16:42:16-04:00
Bear Disturbance Calculation..docx

Hi,

I pulled together this rough draft of the approach I suggest taking to estimate the number of dens potentially disturbed. I decided to move away from using this year's FLIR data and instead rely on probabilities of detection derived from data in Amstrup et al. 2004 (i.e., 62% detection probability). I hope this will help while I'm gone. We can always tweak it and discuss it further when I'm back, but it generally outlines how I think we'd approach it.

--

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

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

To: Klein, Kimberly[kimberly_klein@fws.gov]; Forrest Hannan[forrest_hannan@fws.gov]; Bridget Crokus[bridget_crokus@fws.gov]
From: Putnam, Christopher
Sent: 2018-05-17T18:12:06-04:00
Importance: Normal
Subject: ANWR 1002 Area Seismic Survey Documents
Received: 2018-05-17T18:12:35-04:00
[Marsh Creek Plan of Operations V8.1 F.pdf](#)
[Marsh Creek 3D Seismic Survey in the Arctic National Wildlife Refuge Coastal Plain ITR Timeline.docx](#)

Attached are the project description and the timeline for the ITR. Please look these over and let me know if you have any questions. Thanks.

Christopher Putnam
Supervisory Fish and Wildlife Biologist
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-- J.R.R. Tolkien

To: Klein, Kimberly[kimberly_klein@fws.gov]
From: Christopher Putnam
Sent: 2018-05-17T19:07:45-04:00
Importance: Normal
Subject: Fwd: Review of Draft Seismic EA regarding additional information needs.
Received: 2018-05-17T19:07:45-04:00
Draft SAE seismic application.questions.docx

Kim,

This is the follow-up from the call I had this morning with the BLM folks drafting the EA for the ANWR coastal plain seismic survey this winter. They would like our input on any additional information they should ask for in this letter they will send to SAE. Let me know what you think. Thanks.

Christopher Putnam
Supervisory Fish and Wildlife Biologist
Marine Mammals Management
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----- Forwarded message -----

From: Jones, Nichelle (Shelly) <njones@blm.gov>
Date: Thu, May 17, 2018 at 10:57 AM
Subject: Review of Draft Seismic EA regarding additional information needs.
To: Murphy, Ted <t75murph@blm.gov>, Christopher Putnam <christopher_putnam@fws.gov>, Debora Nigro <dnigro@blm.gov>, Donna Wixon <dwixon@blm.gov>, LaMarr, Sarah <slamarr@blm.gov>, Robert Brumbaugh <rbrumbau@blm.gov>, Serena Sweet <ssweet@blm.gov>

Hello All: I would like to send a letter back to the applicant on Friday with an edited version of these questions. Please know these are very raw and many will be moved to an internal list of our own data gaps and not be included in this letter back to the applicant. This is literally just a preliminary internal compilation. Please send any additions or edits to Donna Wixon by noon on Friday so she can finalize. Thanks.

-Shelly

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

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

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

From: **Wixon, Donna** <dwixon@blm.gov>
Date: Thu, May 17, 2018 at 10:19 AM
Subject: latest version of questions
To: Shelly Jacobson <njones@blm.gov>

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

To: Christopher Putnam[christopher_putnam@fws.gov]
From: Klein, Kimberly
Sent: 2018-05-17T19:37:10-04:00
Importance: Normal
Subject: Re: Review of Draft Seismic EA regarding additional information needs.
Received: 2018-05-17T19:37:43-04:00

Thanks Christopher, will do.

Kimberly Klein

Incidental Take Coordinator
US Fish and Wildlife Service
907 786 3621
Kimberly_Klein@fws.gov

On Thu, May 17, 2018 at 3:07 PM, Christopher Putnam <christopher_putnam@fws.gov> wrote:

Kim,

This is the follow-up from the call I had this morning with the BLM folks drafting the EA for the ANWR coastal plain seismic survey this winter. They would like our input on any additional information they should ask for in this letter they will send to SAE. Let me know what you think. Thanks.

Christopher Putnam
Supervisory Fish and Wildlife Biologist
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-- J.R.R. Tolkien

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

From: Jones, Nichelle (Shelly) <njones@blm.gov>
Date: Thu, May 17, 2018 at 10:57 AM
Subject: Review of Draft Seismic EA regarding additional information needs.
To: Murphy, Ted <t75murph@blm.gov>, Christopher Putnam <christopher_putnam@fws.gov>, Debora Nigro <dnigro@blm.gov>, Donna Wixon <dwixon@blm.gov>, LaMarr, Sarah <slamarr@blm.gov>, Robert Brumbaugh <rbrumbau@blm.gov>, Serena Sweet <ssweet@blm.gov>

Hello All: I would like to send a letter back to the applicant on Friday with an edited version of these questions. Please know these are very raw and many will be moved to an internal list of our own data gaps and not be included in this letter back to the applicant. This is literally just a preliminary internal compilation. Please send any additions or edits to Donna Wixon by noon on Friday so she can finalize. Thanks.

-Shelly

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Acting Manager
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Fairbanks, AK 99709

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

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

From: **Wixon, Donna** <dwixon@blm.gov>
Date: Thu, May 17, 2018 at 10:19 AM
Subject: latest version of questions
To: Shelly Jacobson <njones@blm.gov>

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

To: Madonna Baucum[madonna_baucum@fws.gov]
From: Christopher Putnam
Sent: 2018-05-18T15:46:49-04:00
Importance: Normal
Subject: Re: OMB Approval of 1018-0070
Received: 2018-05-18T15:46:49-04:00
[1018-0070 NOA 07062017.pdf](#)

Hi Madonna,

We're working on a Marine Mammal Protection Act incidental take regulation (ITR) for polar bears during a seismic survey in the Arctic National Wildlife Refuge this winter. We are wondering if our current information collection authorization (attached) for the current Beaufort Sea ITR will cover this activity? Please let me know if you have any questions. Thanks.

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

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

On Mon, Jul 10, 2017 at 6:42 AM Baucum, Madonna <madonna_baucum@fws.gov> wrote:

Good morning - Great news. OMB has approved the renewal request for [1018-0070](#), "Incidental Take of Marine Mammals During Specified Activities, 50 CFR 18.27 and 50 CFR 18, Subparts I and J." Your new expiration date is July 31, 2020. Please see the attached, "Notice of Action (NOA)" showing OMB's approval of your renewal request.

Please don't hesitate to let me know if you have any questions or if I can be of assistance.
Thank you,

Madonna L. Baucum
Information Collection Clearance Officer
Division of Policy, Performance, and Management Programs
U.S. Fish and Wildlife Service
5275 Leesburg Pike, MS: BPHC
Falls Church, VA 22041-3803
Telephone: (703) 358-2503

To: Klein, Kimberly[kimberly_klein@fws.gov]; Charles Hamilton[charles_hamilton@fws.gov];
Lemons, Patrick[pattick_lemons@fws.gov]
From: Christopher Putnam
Sent: 2018-05-18T18:25:33-04:00
Importance: Normal
Subject: Fwd: RIN process for MMPA incidental take regulation
Received: 2018-05-18T18:25:33-04:00
Approval Request for New RIN (non-ESA Rule) (eff Apr2018).docx

Christopher Putnam
Supervisory Fish and Wildlife Biologist
Marine Mammals Management
U.S. Fish & Wildlife Service
1011 East Tudor Rd, MS 341
Anchorage, AK 99503-6199
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-- J.R.R. Tolkien

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From: Sara Prigan <sara_prigan@fws.gov>
Date: Fri, May 18, 2018 at 2:22 PM
Subject: Re: RIN process for MMPA incidental take regulation
To: Christopher Putnam <christopher_putnam@fws.gov>
Cc: Anissa Craghead <Anissa_Craghead@fws.gov>

Yes, that is correct. Here is something based on something Anissa Craghead wrote to another
program in answer to this question --
We can no longer assign RINs without first obtaining Assistant Secretary approval via a RIN
Request form. Attached is a template RIN Request form. That form needs to be completed, and
then sent up through clearance for the Assistant Secretary's approval.

Also, we can't publish any actions that have not appeared on a published Semiannual Unified
Agenda (UA) unless we get an OMB waiver. DOI (Exec Sec) would have to agree to, and help
us pursue, that waiver. We just finished the spring UA cycle. The fall UA cycle will commence
this summer (likely in late June or early July, with a projected publication of the fall UA in
October).

Complete the attached RIN Request form now and email it to Anissa Craghead (please cc me).
Then we will batch it with others, and send those requests up through clearance (Dir, AS). Once

we get clearance, we assign the RIN. The RIN (which stands for "Regulation Identification Number") is one element of the UA information, so assigning the RIN should precede publication of the fall UA. Once the fall UA publishes, you can publish your proposed rule right away, if it has obtained all necessary FWS and DOI clearances to publish.

We will send a data call to collect information for the fall UA early this summer. If we already have a RIN Request form completed for your action, that will help ensure your proposed rule makes it into the fall UA.

The complete listing of Federal agencies' UA entries is published on Reginfo.gov (<https://www.reginfo.gov/public/do/eAgendaMain>) by OMB.

Thanks,

*Sara Prigan
Division of Policy, Performance, and Management Programs
U.S. Fish and Wildlife Service
5275 Leesburg Pike, MS: BPHC
Falls Church, VA 22041 3808
Telephone: 703 3 58 2508
Cell phone/text: 301 580 6520*

On Fri, May 18, 2018 at 3:56 PM Christopher Putnam <christopher_putnam@fws.gov> wrote:

Hi Sara,

We're working on a Marine Mammal Protection Act incidental take regulation (ITR) for polar bears during a seismic survey in the Arctic National Wildlife Refuge this winter. I've heard the the process to get a RIN has changed. Is this correct, and if so, what is the new procedure? Thanks.

Christopher Putnam
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To: Christopher Putnam[christopher_putnam@fws.gov]
From: Klein, Kimberly
Sent: 2018-05-18T18:40:20-04:00
Importance: Normal
Subject: Re: RIN process for MMPA incidental take regulation
Received: 2018-05-18T18:40:53-04:00

Thanks for following up on this.

Kimberly Klein

Incidental Take Coordinator
US Fish and Wildlife Service
907 786 3621
Kimberly_Klein@fws.gov

On Fri, May 18, 2018 at 2:25 PM, Christopher Putnam <christopher_putnam@fws.gov> wrote:

Christopher Putnam
Supervisory Fish and Wildlife Biologist
Marine Mammals Management
U.S. Fish & Wildlife Service
1011 East Tudor Rd, MS 341
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Date: Fri, May 18, 2018 at 2:22 PM
Subject: Re: RIN process for MMPA incidental take regulation
To: Christopher Putnam <christopher_putnam@fws.gov>
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Thanks,

*Sara Prigan
Division of Policy, Performance, and Management Programs
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5275 Leesburg Pike, MS: BPHC
Falls Church, VA 22041 3808
Telephone: 703 3 58 2508
Cell phone/text: 301 580 6520*

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To: Christopher Putnam[christopher_putnam@fws.gov]
Cc: Charles Hamilton[charles_hamilton@fws.gov]; Lemons, Patrick[patrick_lemons@fws.gov]
From: Klein, Kimberly
Sent: 2018-05-18T19:50:29-04:00
Importance: Normal
Subject: Re: RIN process for MMPA incidental take regulation
Received: 2018-05-18T19:51:02-04:00

...And for the Hilcorp ITR for sea otters in Cook Inlet as well?

Kimberly Klein

Incidental Take Coordinator
US Fish and Wildlife Service
907 786 3621
Kimberly_Klein@fws.gov

On Fri, May 18, 2018 at 3:02 PM, Christopher Putnam <christopher_putnam@fws.gov> wrote:

Charlie,
I reached out to Madonna today with a call and email about the information collection issue. I haven't heard back yet. The thing I noticed in the IC for the BS ITR is that it specifically references subparts I and J. Perhaps if we structure the seismic ITR into subpart J somehow the IC will apply? But it seems that if we create a new subpart, it may not apply. Hopefully Madonna can clarify the issue for us.

Christopher Putnam
Supervisory Fish and Wildlife Biologist
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On Fri, May 18, 2018 at 2:55 PM Hamilton, Charles <charles_hamilton@fws.gov> wrote:

Hi Christopher,

Yep brought this up the other day. I do think we should explore using our current information collection authorization, as an argument could be

made that what we have now covers not only polar bears and walrus but also sea otters, before requesting anything new. If you'd like I can follow-up with Madonna, I noticed she was at NCTC this week but think she'll be back in the office next week.

On Fri, May 18, 2018 at 2:25 PM, Christopher Putnam <christopher_putnam@fws.gov> wrote:

Christopher Putnam
Supervisory Fish and Wildlife Biologist
Marine Mammals Management
U.S. Fish & Wildlife Service
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Cc: Anissa Craghead <Anissa_Craghead@fws.gov>

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Thanks,

Sara Prigan
Division of Policy, Performance, and Management Programs
U.S. Fish and Wildlife Service
5275 Leesburg Pike, MS: BPHC
Falls Church, VA 22041 3808
Telephone: 703 3 58 2508
Cell phone/text: 301 580 6520

On Fri, May 18, 2018 at 3:56 PM Christopher Putnam <christopher_putnam@fws.gov> wrote:

Hi Sara,
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-- J.R.R. Tolkien

--

Regards,

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

To: Forrest Hannan[forrest_hannan@fws.gov]; Bridget Crokus[bridget_crokus@fws.gov]; Christopher Putnam[christopher_putnam@fws.gov]; Ryan Wilson[ryan_r_wilson@fws.gov]
Cc: Charles Hamilton[charles_hamilton@fws.gov]; Patrick Lemons[patrick_lemons@fws.gov]; Tess Sprau[tess_sprau@fws.gov]
From: Klein, Kimberly
Sent: 2018-05-18T20:34:05-04:00
Importance: Normal
Subject: Arctic refuge 1002 files
Received: 2018-05-18T20:34:38-04:00

Files for the Arctic Refuge 1002 proposed ITR request for incidental take of polar bears are here:

mmm:\Regulatory_Program\Incidental_Intentional take\ITRs\Arctic Refuge 2019

I have built a file structure that I hope you will find useful.

Project timelines, meeting notes and communications are in the "Project Planning" folder.

Also in this folder is a place for meeting notes. Meeting notes are official notes for recording important decisions, etc; you don't need to upload your personal notes.

In communications there is also folder for each of us to dump our project-related emails.

In the communications folder there is also a "communication Log"

Use this excel sheet to document important conversations, decisions, receipt of project materials, etc. These will mainly be conversations/exchanges with SAE rather than internal conversations.

Let me know if you have questions or suggestions, Thank you.

Kimberly Klein
Incidental Take Coordinator
US Fish and Wildlife Service
907 786 3621
Kimberly_Klein@fws.gov

To: Christopher Putnam[christopher_putnam@fws.gov]
From: Baucum, Madonna
Sent: 2018-05-20T14:31:43-04:00
Importance: Normal
Subject: Re: OMB Approval of 1018-0070
Received: 2018-05-20T14:32:26-04:00

Hi - I'm not sure. I'd have to look at the draft regulation before I could really say one way or another. When you have a chance, please email me a draft copy of the regulation to review so I can make a more informed determination.

Thanks!

Madonna L. Baucum
Information Collection Clearance Officer
Alternate Departmental Information Collection Clearance Officer
Division of Policy, Performance, and Management Programs
U.S. Fish and Wildlife Service
5275 Leesburg Pike, MS: BPHC
Falls Church, VA 22041-3803
Telephone: (703) 358-2503
Cell: (202) 480-0723

On Fri, May 18, 2018 at 3:46 PM, Christopher Putnam <christopher_putnam@fws.gov> wrote:

Hi Madonna,

We're working on a Marine Mammal Protection Act incidental take regulation (ITR) for polar bears during a seismic survey in the Arctic National Wildlife Refuge this winter. We are wondering if our current information collection authorization (attached) for the current Beaufort Sea ITR will cover this activity? Please let me know if you have any questions.

Thanks.

Christopher Putnam
Supervisory Fish and Wildlife Biologist
Marine Mammals Management
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907-786-3816 fax

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-- J.R.R. Tolkien

On Mon, Jul 10, 2017 at 6:42 AM Baucum, Madonna <madonna_baucum@fws.gov> wrote:

Good morning - Great news. OMB has approved the renewal request for 1018-0070, "Incidental Take of Marine Mammals During Specified Activities, 50 CFR 18.27 and 50 CFR 18, Subparts I and J." Your new expiration date is July 31, 2020. Please see the attached, "Notice of Action (NOA)" showing OMB's approval of your renewal request.

Please don't hesitate to let me know if you have any questions or if I can be of assistance.
Thank you,

Madonna L. Baucum
Information Collection Clearance Officer
Division of Policy, Performance, and Management Programs
U.S. Fish and Wildlife Service
5275 Leesburg Pike, MS: BPHC
Falls Church, VA 22041-3803
Telephone: (703) 358-2503

To: Charles Hamilton[charles_hamilton@fws.gov]
Cc: Klein, Kimberly[kimberly_klein@fws.gov]; Lemons, Patrick[Patrick_Lemons@fws.gov]; Bowen, Diane[Diane_Bowen@fws.gov]
From: Christopher Putnam
Sent: 2018-05-21T13:35:00-04:00
Importance: Normal
Subject: Re: A new Subpart K
Received: 2018-05-21T13:35:00-04:00

Thanks Charlie.

Christopher Putnam
Supervisory Fish and Wildlife Biologist
Marine Mammals Management
U.S. Fish & Wildlife Service
1011 East Tudor Rd, MS 341
Anchorage, AK 99503-6199
907-786-3844 office
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On Mon, May 21, 2018 at 8:23 AM Hamilton, Charles <charles_hamilton@fws.gov> wrote:

Hi Christopher and Kim,

I was able to follow-up on the structuring of regulations, if requested for additional MMPA ITR regulations in the 1002 area. As we were thinking, it would be a new Subpart "K", also, PPM suggests starting them at 18.132, as opposed to 130, in case there was any reason to modify the existing regulations. I hope this is helpful.

--

Regards,

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

FAX: (907) 786 - 3816

To: Klein, Kimberly[kimberly_klein@fws.gov]; Lemons, Patrick[pattick_lemons@fws.gov]; Charles Hamilton[charles_hamilton@fws.gov]
From: Christopher Putnam
Sent: 2018-05-22T14:23:19-04:00
Importance: Normal
Subject: Fwd: 1018-0070 Supporting Statement A for Upcoming Rulemaking
Received: 2018-05-22T14:23:19-04:00
[1018-0070 SSA proposed rule revision draft 05212018.docx](#)
[The Regs Process and the PRA.pdf](#)

I had a conversation with Madonna Baucum yesterday about our information collection authorization (IC) for the BS and CS ITRs and if it would cover the ITR for seismic surveys in the Arctic Refuge coastal plain. Her conclusion is that we will need to update the current IC with the relevant information about the new area and activities. The good news is that the IC process runs concurrently with the regulation promulgation process, so there is no additional time needed, and only a minimal amount of paperwork. She doesn't see a problem with our proposed timeline for the ITR with the IC.

I also asked here about an IC for the Cook Inlet ITR and the process is the same. Since we'll be promulgation a new regulation, the IC process will run concurrently. In fact, it looks like we can amend the Cook Inlet ITR IC into the current IC and in the end have a single comprehensive IC. That will simplify the renewal process in the future.

Madonna attached a couple of documents for reference and to get us started.

Christopher Putnam
Supervisory Fish and Wildlife Biologist
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----- Forwarded message -----

From: Baucum, Madonna <madonna_baucum@fws.gov>
Date: Mon, May 21, 2018 at 10:44 AM
Subject: 1018-0070 Supporting Statement A for Upcoming Rulemaking
To: Christopher Putnam <christopher_putnam@fws.gov>
Cc: Madonna Baucum <madonna_baucum@fws.gov>

Hi - Attached is the latest/greatest version of the Supporting Statement A last approved by OMB. You can use this as a starting point for your rule to revise 1018-0070 to include the requirements at the Arctic NWR. You'll want to review everything, but definitely update questions 1, 2, 8, 12, and 15. Don't forget to update the title of the collection to include the new subpart. I also updated question 14 for you; just remember to double check the updated calcs. I'm also attaching a sheet that gives a quick overview of the process with rulemakings and information collection to help you understand how this will work.

Thanks!

Madonna L. Baucum
Information Collection Clearance Officer
Alternate Departmental Information Collection Clearance Officer
Division of Policy, Performance, and Management Programs
U.S. Fish and Wildlife Service
5275 Leesburg Pike, MS: BPHC
Falls Church, VA 22041-3803
Telephone: (703) 358-2503
Cell: (202) 480-0723

To: Sheyna Wisdom[sheyna.wisdom@fairweather.com]; Klein, Kimberly[kimberly_klein@fws.gov]
Cc: Suzan Simonds[ssimonds@saexploration.com]
From: Christopher Putnam
Sent: 2018-05-23T15:58:36-04:00
Importance: Normal
Subject: Re: [EXTERNAL] Request for results of 2018 den survey to add to the historical database
Received: 2018-05-23T15:58:36-04:00
2018 ANWR PB Den IR Survey Coordinates.xlsx

Hi Sheyna,
Sure,

Attached is a spreadsheet with the coordinates. Let me know if you have any questions.

Christopher Putnam
Supervisory Fish and Wildlife Biologist
Marine Mammals Management
U.S. Fish & Wildlife Service
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On Tue, May 22, 2018 at 5:12 PM Sheyna Wisdom <sheyna.wisdom@fairweather.com> wrote:

Hi Christopher,
Justin has the historical den list file, but we were hoping to get a list of the den sites from the 2018 survey in ANWR. Can you please send to us?

Thanks.

sheyna

Sheyna Wisdom
General Manager
Fairweather Science
301 Calista Court, Anchorage, AK 99518
O: 907-267-4611 | C: 907-748-5864
www.fairweathersciencellc.com

To: Christopher Putnam[christopher_putnam@fws.gov]
Cc: Klein, Kimberly[kimberly_klein@fws.gov]; Suzan Simonds[ssimonds@saexploration.com]
From: Sheyna Wisdom
Sent: 2018-05-23T17:50:12-04:00
Importance: Normal
Subject: Re: [*EXT*] Re: [EXTERNAL] Request for results of 2018 den survey to add to the historical database
Received: 2018-05-23T17:51:08-04:00

Thank you!

Sheyna Wisdom
General Manager
Fairweather Science
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O: 907-267-4611 | C: 907-748-5864
www.fairweathersciencellc.com

On Wed, May 23, 2018 at 11:58 AM, Christopher Putnam <christopher_putnam@fws.gov> wrote:

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To: Colligan, Mary[mary_colligan@fws.gov]
From: Christopher Putnam
Sent: 2018-05-23T18:06:29-04:00
Importance: Normal
Subject: Re: ANWR 1002 seismic pre-survey activities
Received: 2018-05-23T18:06:29-04:00

Mary,
I haven't heard anything about a NMFS MMPA application.

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

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

On Wed, May 23, 2018 at 1:58 PM Colligan, Mary <mary_colligan@fws.gov> wrote:

Thanks Christopher. Do you know if they are applying to NMFS for MMPA take coverage?

On Wed, May 23, 2018 at 10:17 AM, Christopher Putnam <christopher_putnam@fws.gov> wrote:

Hi all,
As we've all discussed previously, there are a variety of activities associated with seismic surveys that occur well in advance of the actual survey itself. I've just had a phone conversation with Sue Simonds from SAE. They are planning on open-water season boat based bathymetry surveys in the lagoons and near shore waters along the coast of the Arctic National Wildlife Refuge. This activity would occur sometime between now and freeze-up, and also possibly in future years. SAE is also planning for archaeology surveys, probably aerial and ground based, prior to the seismic survey activities this year, and possibly in future years.

Sue was asking about the separation distances provided for bear viewing in the refuge and if those would be suitable as a mitigation measure for SEA activities. I attempted to explain the different purposes behind the development of Arctic Wildlife Refuge bear viewing guidelines and oil and gas mitigation measures. Sue seemed to agree that 35 feet is not a reasonable minimum distance to maintain between polar bears and SEA personnel. I think

we will hear more about the differences between the refuge bear viewing guidelines and out mitigation measures.

Obviously, we don't have enough time to develop an MMPA incidental take authorization for these bathymetric and archaeological survey activities. It is likely that at least some of these proposed activities will occur with polar bears in the area. The fact that SAE proposes to conduct bathymetry in near shore waters indicates that their seismic survey activities will include more than just the mainland terrestrial areas of the Arctic Wildlife Refuge coastal plain. We should expect to see these activities included in the SAE application for an ITR when we get it. We should also expect questions regarding the actual timing and location of activities on the ground and interaction with polar bears.

Ideally, the ITR we develop for SAE would include all of the activities associated with their proposed seismic survey project. Since open water boat based bathymetry and ground based archaeology surveys are part of this project, we should have received an application for ITRs by July 2017. Please let me know if you have any questions or thoughts.

Christopher Putnam
Supervisory Fish and Wildlife Biologist
Marine Mammals Management
U.S. Fish & Wildlife Service
1011 East Tudor Rd, MS 341
Anchorage, AK 99503-6199
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-- J.R.R. Tolkien

--

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: Christopher Putnam[christopher_putnam@fws.gov]
From: Klein, Kimberly
Sent: 2018-05-24T16:30:08-04:00
Importance: Normal
Subject: Re: ANWR 1002 seismic pre-survey activities
Received: 2018-05-24T16:30:08-04:00

Thanks for the report Christopher, sounds like great fun.

Kimberly Klein

Incidental Take Coordinator
US Fish and Wildlife Service
907 786 3621
Kimberly_Klein@fws.gov

On Wed, May 23, 2018 at 10:17 AM, Christopher Putnam <christopher_putnam@fws.gov> wrote:

Hi all,

As we've all discussed previously, there are a variety of activities associated with seismic surveys that occur well in advance of the actual survey itself. I've just had a phone conversation with Sue Simonds from SAE. They are planning on open-water season boat based bathymetry surveys in the lagoons and near shore waters along the coast of the Arctic National Wildlife Refuge. This activity would occur sometime between now and freeze-up, and also possibly in future years. SAE is also planning for archaeology surveys, probably aerial and ground based, prior to the seismic survey activities this year, and possibly in future years.

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Christopher Putnam
Supervisory Fish and Wildlife Biologist
Marine Mammals Management
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1011 East Tudor Rd, MS 341
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907-786-3844 office
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907-786-3816 fax

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not wither, deep roots are not reached by the frost."
-- J.R.R. Tolkien

To: Klein, Kimberly[kimberly_klein@fws.gov]
From: Christopher Putnam
Sent: 2018-05-24T17:52:00-04:00
Importance: Normal
Subject: Fwd: FW: SAE Plan of Operations Questions
Received: 2018-05-24T17:52:22-04:00
SAE seismic questions 5.22.2018.pdf

Christopher Putnam
Supervisory Fish and Wildlife Biologist
Marine Mammals Management
U.S. Fish & Wildlife Service
1011 East Tudor Rd, MS 341
Anchorage, AK 99503-6199
907-786-3844 office
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"All that is gold does not glitter, not all those who wander are lost; the old that is strong does not wither, deep roots are not reached by the frost."
-- J.R.R. Tolkien

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

From: Crane, Drew <drew_crane@fws.gov>
Date: Tue, May 22, 2018 at 1:45 PM
Subject: Fwd: FW: SAE Plan of Operations Questions
To: Christopher Putnam <christopher_putnam@fws.gov>, Patrick Lemons
<patrick_lemons@fws.gov>, Sarah Conn <sarah_conn@fws.gov>, Ted Swem
<ted_swem@fws.gov>
Cc: Mary Colligan <mary_colligan@fws.gov>

Hi Everyone,
FYI, please see the below email string and attachment related to the 1002 seismic EA.

Thank you,

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

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

From: **Wendy Loya** <Wendy_loya@fws.gov>
Date: Tue, May 22, 2018 at 1:36 PM
Subject: FW: SAE Plan of Operations Questions
To: Drew Crane <drew_crane@fws.gov>, John Trawicki <john_trawicki@fws.gov>

Hi Drew and John,

Drew, can you make sure to share this with anyone in FES involved in MMPA/ESA related to Coastal Plain Seismic?

John, do you want to share with NWRS leadership and relevant staff?

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: Joanna Fox <joanna_fox@fws.gov>
Sent: Tuesday, May 22, 2018 1:16 PM
To: Wendy Loya <wendy_loya@fws.gov>
Cc: Steve Berendzen <steve_berendzen@fws.gov>
Subject: Fwd: SAE Plan of Operations Questions

Hi Wendy,

We just received this copy of the letter BLM sent to the seismic applicant requesting additional information. It answers some of the questions we discussed this morning (including when the 90-day clock starts). Please distribute as you see fit.

Thank you,

Joanna

Joanna L. Fox

Deputy Refuge Manager

Arctic National Wildlife Refuge

101 12th Avenue, Room 236

Fairbanks, AK 99701

(907) 456-0549

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www.facebook.com/arcticnationalwildliferefuge

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

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

From: Wixon, Donna <dwixon@blm.gov>

Date: Tue, May 22, 2018 at 1:00 PM

Subject: Fwd: SAE Plan of Operations Questions

To: Steve Berendzen <steve_berendzen@fws.gov>, Joanna Fox <joanna_fox@fws.gov>

Cc: Sarah LaMarr <slamarr@blm.gov>, Shelly Jacobson <njones@blm.gov>

Hi Steve and Joanna,

Attached is a copy of the questions we sent to SAExploration.

Thanks,

Donna

Donna L Wixon

Natural Resource Specialist

BLM Arctic District Office

222 University Ave

Fairbanks, Alaska 99709

907-474-2301 Office

907-474-2386 Fax

dwixon@blm.gov

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

From: **Wixon, Donna** <dwixon@blm.gov>

Date: Tue, May 22, 2018 at 11:35 AM

Subject: SAE Plan of Operations Questions

To: Suzan Simonds <ssimonds@saexploration.com>

Cc: Shelly Jacobson <njones@blm.gov>

Good Morning Sue,

Attached please find a letter and questions about the seismic permit that SAExploration has requested from the BLM for the 1002 area.

Please let me know if you have any questions about our questions as you work through them.

Thanks,

Donna

Donna L Wixon

Natural Resource Specialist

BLM Arctic District Office

222 University Ave

Fairbanks, Alaska 99709

907-474-2301 Office

907-474-2386 Fax

dwixon@blm.gov

To: Christopher Putnam[christopher_putnam@fws.gov]
From: Crane, Drew
Sent: 2018-05-30T15:02:37-04:00
Importance: Normal
Subject: Re: New Meeting?
Received: 2018-05-30T15:02:40-04:00

Feel free to share it with them as I'm pretty sure it will be a webinar. If I get more info on call-in details, I'll forward those along.

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

On Wed, May 30, 2018 at 10:44 AM, Christopher Putnam <christopher_putnam@fws.gov> wrote:

I'm familiar with how and what SAE proposes doing. Kim and Forrest may be interested, but only if it's a webinar, or remote presence meeting. I'm not interested in sending someone to Fairbanks.

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

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-- J.R.R. Tolkien

On Wed, May 30, 2018 at 9:16 AM Crane, Drew <drew_crane@fws.gov> wrote:

FYI, would you and your staff be interested in attending?

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

Date: Tue, May 29, 2018 at 3:48 PM

Subject: Fwd: New Meeting?

To: Roger Kaye <Roger_Kaye@fws.gov>, Christopher Latty <christopher_latty@fws.gov>, Jennifer Reed <jennifer_reed@fws.gov>, Stephen Arthur <stephen_arthur@fws.gov>, "Burkart, Greta" <greta_burkart@fws.gov>, Hollis Twitchell <hollis_twitchell@fws.gov>, Joshua Rose <joshua_rose@fws.gov>, "Brown, Randy" <randy_j_brown@fws.gov>, Patrick O'Dell <patrick_odell@fws.gov>, Edward Decleva <edward_decleva@fws.gov>, Erin Carver <erin_carver@fws.gov>, "Swem, Ted" <ted_swem@fws.gov>, Susan LaKonski <susan_lakonski@fws.gov>

Cc: Wendy Loya <wendy_loya@fws.gov>, Drew Crane <drew_crane@fws.gov>, John Trawicki <john_trawicki@fws.gov>, stephanie_brady <stephanie_brady@fws.gov>, Steve Berendzen <steve_berendzen@fws.gov>

In response to some of the questions we asked, the seismic applicant would like to give a couple of presentations about how they conduct seismic work in the Arctic. They're proposing the first as an on-line webinar-type presentation, to be offered June 5 at 10 am. If this date and/or time will not fit into your schedule, will you please let me know asap? I'd like to give Donna an indication of how well this might work for us.
(Arctic Refuge staff - if need be we will change our standing bi-weekly staff meeting to accommodate this presentation).

Thanks!
Joanna

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

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

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

From: Wixon, Donna <dwixon@blm.gov>

Date: Tue, May 29, 2018 at 3:26 PM

Subject: New Meeting?

0000013156

To: Jones, Nichelle (Shelly) <njones@blm.gov>
Cc: Steve Berendzen <steve_berendzen@fws.gov>, Fox, Joanna <joanna_fox@fws.gov>,
LaMarr, Sarah <slamarr@blm.gov>, Robert Brumbaugh <rbrumbau@blm.gov>

Good Afternoon,

I just spoke with Sue Simonds with SAE, she had some questions on our questions about the project. SAE has offered to give a couple of presentations about seismic to all of the people working on the EA. The first presentation would be an on line skype presentation going over the basics of how SAE conducts seismic in the Arctic. They would like to do this June 5th. Does that seem like an okay day? Would 10am work?

On July 10, they would like to come to Fairbanks and give a presentation and/or answer questions. Would 11am work for this?

Once we decide on a date and time I will send out a meeting invite.
Thanks,
Donna

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

On Tue, May 29, 2018 at 12:20 PM, Jones, Nichelle (Shelly) <njones@blm.gov> wrote:

Hello All: We have a couple of us out this afternoon. In lieu of a meeting, I have the following update:

Donna sent the request for additional information last week. We also issued the PIL to the IDT members. I have a meeting with our state office on Thursday to get someone to cover the acoustic section. IDT members should be working on the affected environment and consequences sections.

The next milestones from the schedule are as follows:

May 22-June 1 Draft Affected Environment (FWS and Key BLM IDT members)

May 31 – Deadline for applicant response to questions

May 31-June 6 - Finalize Proposed Action and post to BLM ePlanning website (IDT Lead)

June - November MMPA Incidental Take Regulations development (published in Federal Register in November and final rule in January)

June 6 IDT Lead sends Proposed Action to team to draft Issue Statements.

See some of you at the scoping meeting for the CPLEIS this evening.

-Shelly

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

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

To: Mary Colligan[mary_colligan@fws.gov]; Sarah Conn[sarah_conn@fws.gov]; Christopher Putnam[christopher_putnam@fws.gov]
From: Crane, Drew
Sent: 2018-05-30T16:16:15-04:00
Importance: Normal
Subject: Fwd: New Meeting?
Received: 2018-05-30T16:16:18-04:00

Change in dates for the seismic webinar.

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: Joanna Fox <joanna_fox@fws.gov>
Date: Wed, May 30, 2018 at 12:05 PM
Subject: Re: New Meeting?
To: Roger Kaye <Roger_Kaye@fws.gov>, Christopher Latty <christopher_latty@fws.gov>, Jennifer Reed <jennifer_reed@fws.gov>, Stephen Arthur <stephen_arthur@fws.gov>, "Burkart, Greta" <greta_burkart@fws.gov>, Hollis Twitchell <hollis_twitchell@fws.gov>, Joshua Rose <joshua_rose@fws.gov>, "Brown, Randy" <randy_j_brown@fws.gov>, Patrick O'Dell <patrick_odell@fws.gov>, Edward Decleva <edward_decleva@fws.gov>, Erin Carver <erin_carver@fws.gov>, "Swem, Ted" <ted_swem@fws.gov>, Susan LaKonski <susan_lakonski@fws.gov>
Cc: Wendy Loya <wendy_loya@fws.gov>, Drew Crane <drew_crane@fws.gov>, John Trawicki <john_trawicki@fws.gov>, stephanie_brady <stephanie_brady@fws.gov>, Steve Berendzen <steve_berendzen@fws.gov>

Thanks to those of you who got right back to me on your availability June 5. It turns out June 5 does not work well for the majority of the BLM interdisciplinary team staff, so they're now proposing June 4 at 10am. If you're available then please let me know as soon as possible. Thanks!

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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From: Wixon, Donna <dwixon@blm.gov>

Date: Tue, May 29, 2018 at 3:26 PM

Subject: New Meeting?

To: Jones, Nichelle (Shelly) <njones@blm.gov>

Cc: Steve Berendzen <steve_berendzen@fws.gov>, Fox, Joanna <joanna_fox@fws.gov>, LaMarr, Sarah <slamarr@blm.gov>, Robert Brumbaugh <rbrumbau@blm.gov>

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Donna

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

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-Shelly

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

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

To: Christopher Putnam[christopher_putnam@fws.gov]
From: Klein, Kimberly
Sent: 2018-05-30T16:43:43-04:00
Importance: Normal
Subject: Re: SAE presentation in proposed seismic survey in ANWR coastal plain
Received: 2018-05-30T16:44:15-04:00

Thanks for the info, I will plan to attend.

Kimberly Klein

Incidental Take Coordinator
US Fish and Wildlife Service
907 786 3621
Kimberly_Klein@fws.gov

On Wed, May 30, 2018 at 12:27 PM, Christopher Putnam <christopher_putnam@fws.gov> wrote:

Hi All,

SAE has offered to provide a presentation about their proposed seismic survey in the ANWR coastal plain over the next few years. SAE will provide the presentation in Fairbanks for BLM, and FWS Field Office, and Refuge staff. The presentation will also be available via some type of webinar format. Right now the proposed date and time for the presentation is Monday, June 4, at 10:00 am.

I want you all to make it a priority to attend the webinar. I'll forward the webinar and call-in information when it is finalized. Please be flexible if the date or time change. I think this is a good opportunity for us to get updated information on how and what SAE proposes to do and to hear the concerns of our colleagues.

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

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

To: Drew Crane[drew_crane@fws.gov]; Christopher Putnam[christopher_putnam@fws.gov]; Patrick Lemons[patrick_lemons@fws.gov]; Sarah Conn[sarah_conn@fws.gov]
From: Colligan, Mary
Sent: 2018-05-31T12:50:22-04:00
Importance: Normal
Subject: Fwd: [EXTERNAL] Companies' first step in drilling for oil in ANWR draws scathing federal response
Received: 2018-05-31T12:50:29-04:00
[SAE seismic questions 5.22.2018.pdf](#)
[FWS questions and comments re SAE seismic application.docx](#)

Can you guys please let me know if you or your staff provided any input into the FWS comments that were sent to BLM? Sounds like it was just a Refuge response, but I wanted to verify that.

Thanks

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

From: Wendy Loya <Wendy_loya@fws.gov>
Date: Thu, May 31, 2018 at 8:44 AM
Subject: RE: [EXTERNAL] Companies' first step in drilling for oil in ANWR draws scathing federal response
To: Bud Cribley <bud_cribley@fws.gov>
Cc: Mitch Ellis <mitch_ellis@fws.gov>, Karen Clark <karen_clark@fws.gov>, Mary Colligan <mary_colligan@fws.gov>, Joanna Fox <joanna_fox@fws.gov>, Andrea Medeiros <andrea_medeiros@fws.gov>

Hi Everyone,

With regards to: https://www.washingtonpost.com/business/economy/companies-take-first-steps-to-drill-for-oil-in-arctic-national-wildlife-refuge/2018/05/31/8f133464-643a-11e8-a768-ed043e33f1dc_story.html?utm_term=.3fb70592e362

Here is the context and documents related to the FWS and BLM response to the seismic application by SAE for the 1002 area:

After receiving the seismic application for activities in the Arctic National Wildlife Refuge Coastal Plain, BLM Arctic Field Office made a request to their staff and FWS Arctic Refuge staff on May 7th for additional information needed to process the application, with questions due back by May 11th.

□□□□□ Arctic Refuge staff contributed their comments on what additional information they felt was needed and that was collated and returned to BLM Arctic Field Office. The file name of the attachment is "FWS Questions and Comments re SAE seismic application.doc" and it is 14 pages.

□□□□□ BLM then collated the comments they felt were necessary to be answered, which is attached

as "SAE seismic questions 5.22.2018" and is 11 pages.

Thank you,

Wendy

Dr. Wendy M. Loya, Coordinator

Office of Science Applications -Arctic Program

US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.277.2942 (mobile)

From: Cribley, Bud <bud_cribley@fws.gov>

Sent: Thursday, May 31, 2018 8:02 AM

To: Wendy Loya <wendy_loya@fws.gov>

Cc: Mitch Ellis <mitch_ellis@fws.gov>; Clark, Karen <karen_clark@fws.gov>; Colligan, Mary <mary_colligan@fws.gov>

Subject: Re: [EXTERNAL] Companies' first step in drilling for oil in ANWR draws scathing federal response

Thank you Wendy. There isn't any rush.

Bud

On Thu, May 31, 2018 at 11:57 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

I am on my way in and will work with you all to share documents that relate to our input to BLM on the application for seismic exploration in the Arctic Refuge.

See you shortly,

Wendy

Dr. Wendy M. Loya, Coordinator

Office of Science Applications- Arctic Program

Anchorage, Alaska

907.786.3532 (office)

907.227.2942 (mobile)

On May 31, 2018, at 07:41, Mitch Ellis <mitch_ellis@fws.gov> wrote:

Hi Karen. I haven't seen the "18-page" memo. Wendy and I were discussing this yesterday. I think she may know what doc the article was referring to. We can get folks a copy this morning.

Sent from my iPhone

On May 31, 2018, at 7:35 AM, Clark, Karen <karen_clark@fws.gov> wrote:

Including Mary and Mitch on the email- do you know anything about the "18-page Fish and Wildlife Service response" referenced in this article?

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

On Thu, May 31, 2018 at 7:09 AM, Cribley, Bud
<bud_cribley@fws.gov> wrote:

Karen,

Would you please send me a copy of the commitment letter
we submitted to BLM on the seismic application for the
Coastal Plain.

Thanks

Bud

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

From: **Bud Cribley** <(b) (6)>
Date: Thu, May 31, 2018 at 10:31 AM
Subject: [EXTERNAL] Companies' first step in drilling for oil in ANWR
draws scathing federal response
To: Bud Cribley <bud_cribley@fws.gov>

[http://www.adn.com/business-economy/energy/2018/05/31/companies-first-
step-in-drilling-for-oil-in-anwr-draws-scathing-federal-
response/](http://www.adn.com/business-economy/energy/2018/05/31/companies-first-step-in-drilling-for-oil-in-anwr-draws-scathing-federal-response/)

Sent from my iPhone

--

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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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: Conn, Sarah[sarah_conn@fws.gov]
Cc: Drew Crane[drew_crane@fws.gov]; Christopher Putnam[christopher_putnam@fws.gov]; Patrick Lemons[pattick_lemons@fws.gov]
From: Colligan, Mary
Sent: 2018-05-31T13:28:28-04:00
Importance: Normal
Subject: Re: [EXTERNAL] Companies' first step in drilling for oil in ANWR draws scathing federal response
Received: 2018-05-31T13:28:32-04:00

Thanks. Were you asked by Arctic NWR or Wendy to provide comments and/or questions?

On Thu, May 31, 2018 at 9:13 AM, Conn, Sarah <sarah_conn@fws.gov> wrote:

We didn't send anything from the Field Office either to BLM or Arctic NWR or Wendy. Nor did we ask for a chance to review them.

Sarah

On Thu, May 31, 2018 at 8:50 AM, Colligan, Mary <mary_colligan@fws.gov> wrote:

Can you guys please let me know if you or your staff provided any input into the FWS comments that were sent to BLM? Sounds like it was just a Refuge response, but I wanted to verify that.

Thanks

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

From: **Wendy Loya** <Wendy_loya@fws.gov>

Date: Thu, May 31, 2018 at 8:44 AM

Subject: RE: [EXTERNAL] Companies' first step in drilling for oil in ANWR draws scathing federal response

To: Bud Cribley <bud_cribley@fws.gov>

Cc: Mitch Ellis <mitch_ellis@fws.gov>, Karen Clark <karen_clark@fws.gov>, Mary Colligan <mary_colligan@fws.gov>, Joanna Fox <joanna_fox@fws.gov>, Andrea Medeiros <andrea_medeiros@fws.gov>

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With regards to: https://www.washingtonpost.com/business/economy/companies-take-first-steps-to-drill-for-oil-in-arctic-national-wildlife-refuge/2018/05/31/8f133464-643a-11e8-a768-ed043e33f1dc_story.html?utm_term=.3fb70592e362

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Thank you,

Wendy

Dr. Wendy M. Loya, Coordinator

Office of Science Applications -Arctic Program

US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.277.2942 (mobile)

From: Cribley, Bud <bud_cribley@fws.gov>

Sent: Thursday, May 31, 2018 8:02 AM

To: Wendy Loya <wendy_loya@fws.gov>

Cc: Mitch Ellis <mitch_ellis@fws.gov>; Clark, Karen <karen_clark@fws.gov>; Colligan, Mary <mary_colligan@fws.gov>

Subject: Re: [EXTERNAL] Companies' first step in drilling for oil in ANWR draws scathing federal response

Thank you Wendy. There isn't any rush.

Bud

On Thu, May 31, 2018 at 11:57 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

I am on my way in and will work with you all to share documents that relate to our input to BLM on the application for seismic exploration in the Arctic Refuge.

See you shortly,

Wendy

Dr. Wendy M. Loya, Coordinator

Office of Science Applications- Arctic Program

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Sent from my iPhone

On May 31, 2018, at 7:35 AM, Clark, Karen <karen_clark@fws.gov> wrote:

Including Mary and Mitch on the email- do you know anything about the "18-page Fish and Wildlife Service response" referenced in this article?

Thanks, Karen

Karen P. Clark

Deputy Regional Director

U.S. Fish & Wildlife Service- Alaska Region

[1011 E Tudor Rd](mailto:karen_clark@fws.gov), MS 374

Anchorage, AK 99503

karen_clark@fws.gov

907.786.3542 office

907.786.3493 direct

907.786.3306 fax

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Karen,

Would you please send me a copy of the commitment letter
we submitted to BLM on the seismic application for the
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Bud

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To: Bud Cribley <bud_cribley@fws.gov>

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Sent from my iPhone

0000013171

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Bud C Cribley

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907-786-3505
cell: 907-223-5945

To: Bridget Crokus[bridget_crokus@fws.gov]
From: Christopher Putnam
Sent: 2018-05-31T15:37:04-04:00
Importance: Normal
Subject: Re: SAE presentation in proposed seismic survey in ANWR coastal plain
Received: 2018-05-31T15:37:04-04:00

Thanks.

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

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

-- J.R.R. Tolkien

On Thu, May 31, 2018 at 9:56 AM Bridget Crokus <bridget_crokus@fws.gov> wrote:

It's on my calendar. The only potential conflict with a change in schedule for me is if they do a last-minute switch to mid- to late- Monday afternoon I have a (b) (6) then. Otherwise, I can be there pretty much any time next week.

Bridget Crokus

Marine Mammals Management

U.S. Fish and Wildlife Service

Phone: 907-786-3378

From: Christopher Putnam <christopher_putnam@fws.gov>
Sent: Wednesday, May 30, 2018 12:28 PM
To: Klein, Kimberly <kimberly_klein@fws.gov>; Forrest Hannan <forrest_hannan@fws.gov>; Bridget Crokus <bridget_crokus@fws.gov>
Subject: SAE presentation in proposed seismic survey in ANWR coastal plain

Hi All,

SAE has offered to provide a presentation about their proposed seismic survey in the ANWR coastal plain over the next few years. SAE will provide the presentation in Fairbanks for BLM, and FWS Field Office, and Refuge staff. The presentation will also be available via some type of webinar format. Right now the proposed date and time for the presentation is Monday, June 4, at 10:00 am.

I want you all to make it a priority to attend the webinar. I'll forward the webinar and call-in information when it is finalized. Please be flexible if the date or time change. I think this is a good opportunity for us to get updated information on how and what SAE proposes to do and to hear the concerns of our colleagues.

Christopher Putnam

Supervisory Fish and Wildlife Biologist

Marine Mammals Management

U.S. Fish & Wildlife Service

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To: Christopher Putnam[christopher_putnam@fws.gov]
From: Colligan, Mary
Sent: 2018-05-31T16:11:22-04:00
Importance: Normal
Subject: Re: [EXTERNAL] Companies' first step in drilling for oil in ANWR draws scathing federal response
Received: 2018-05-31T16:11:26-04:00

Got it thank you

On Thu, May 31, 2018 at 11:05 AM, Christopher Putnam <christopher_putnam@fws.gov> wrote:

Mary,

The short answer is no one from my program provided specific input for the FWS comments on the BLM information needs document. Below is a more detailed review of our contact with BLM.

I had a call on May 16 with Shelly Jones and Debbie Nigro of BLM about the EA they're developing and the draft information needs letter from BLM to SAE. I explained our MMPA process for incidental take authorization (ITA) and that we had not yet received an application for an authorization from SAE for the seismic survey in the Arctic NWR. Shelly offered to send a copy of the draft BLM letter to me for review. On May 17, I received an email with a draft of the BLM letter (nine pages at the time). We still had no MMPA ITA application from SAE at that time, so we had nothing to add to that draft letter. I received an email with a copy of the letter sent to SAE from BLM on May 22. No one in my program has had any other contact with BLM or input into FWS comments regarding the EA. We still don't have an MMPA ITA application from SAE.

Christopher Putnam
Supervisory Fish and Wildlife Biologist
Marine Mammals Management
U.S. Fish & Wildlife Service
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-- J.R.R. Tolkien

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0000013176

Thanks

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

From: **Wendy Loya** <Wendy_loya@fws.gov>

Date: Thu, May 31, 2018 at 8:44 AM

Subject: RE: [EXTERNAL] Companies' first step in drilling for oil in ANWR draws scathing federal response

To: Bud Cribley <bud_cribley@fws.gov>

Cc: Mitch Ellis <mitch_ellis@fws.gov>, Karen Clark <karen_clark@fws.gov>, Mary Colligan <mary_colligan@fws.gov>, Joanna Fox <joanna_fox@fws.gov>, Andrea Medeiros <andrea_medeiros@fws.gov>

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Thank you,

Wendy

Dr. Wendy M. Loya, Coordinator

0000013177

Office of Science Applications -Arctic Program

US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.277.2942 (mobile)

From: Cribley, Bud <bud_cribley@fws.gov>

Sent: Thursday, May 31, 2018 8:02 AM

To: Wendy Loya <wendy_loya@fws.gov>

Cc: Mitch Ellis <mitch_ellis@fws.gov>; Clark, Karen <karen_clark@fws.gov>; Colligan, Mary <mary_colligan@fws.gov>

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Sent from my iPhone

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To: Lemons, Patrick[patrick_lemons@fws.gov]
From: Christopher Putnam
Sent: 2018-05-31T16:16:27-04:00
Importance: Normal
Subject: Fwd: [EXTERNAL] Companies' first step in drilling for oil in ANWR draws scathing federal response
Received: 2018-05-31T16:16:27-04:00

Patrick,
I forgot to cc you when I responded to Mary. My reply is below.

Christopher Putnam
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Marine Mammals Management
U.S. Fish & Wildlife Service
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To: Bob Henszey[bob_henszey@fws.gov]; Brown, Randy[randy_j_brown@fws.gov]; Angela Matz[angela_matz@fws.gov]; Ted Swem[ted_swem@fws.gov]; Crane, Drew[drew_crane@fws.gov]; Mary Colligan[mary_colligan@fws.gov]; Patrick Lemons[patrick_lemons@fws.gov]; Christopher Putnam[christopher_putnam@fws.gov]
From: Conn, Sarah
Sent: 2018-06-01T13:57:24-04:00
Importance: Normal
Subject: Who is on first - 1002
Received: 2018-06-01T13:57:29-04:00
[Who is on first May 31 2018.docx](#)

Hi Folks,
Here is the document we developed that tries to capture who is doing what just now.

Thanks,

Sarah

To: Klein, Kimberly[kimberly_klein@fws.gov]; Forrest Hannan[forrest_hannan@fws.gov]; Bridget Crokus[bridget_crokus@fws.gov]
From: Christopher Putnam
Sent: 2018-06-01T17:04:09-04:00
Importance: Normal
Subject: Fwd: Invitation: SAExploration Presentation @ Mon Jun 4, 2018 10am - 12pm (AKDT) (joanna_fox@fws.gov)
Received: 2018-06-01T17:04:09-04:00
[invite.ics](#)

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907-268-0577 mobile
907-786-3816 fax

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

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

From: Crane, Drew <drew_crane@fws.gov>
Date: Fri, Jun 1, 2018 at 12:28 PM
Subject: Fwd: Invitation: SAExploration Presentation @ Mon Jun 4, 2018 10am - 12pm (AKDT) (joanna_fox@fws.gov)
To: Sarah Conn <sarah_conn@fws.gov>, Ted Swem <ted_swem@fws.gov>, Randy Brown <randy_j_brown@fws.gov>, Angela Matz <angela_matz@fws.gov>, Ryan Wilson <ryan_r_wilson@fws.gov>, Christopher Putnam <christopher_putnam@fws.gov>
Cc: Mary Colligan <mary_colligan@fws.gov>, Patrick Lemons <patrick_lemons@fws.gov>

I think quite a few of you are already on the invite but just in case, feel free to participate on Monday. I'll forward the webinar link once I get it.

Thanks
Drew

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

From: **Wendy Loya** <wendy_loya@fws.gov>
Date: Fri, Jun 1, 2018 at 12:20 PM
Subject: Fwd: Invitation: SAExploration Presentation @ Mon Jun 4, 2018 10am - 12pm (AKDT) (joanna_fox@fws.gov)

To: John Trawicki <john_trawicki@fws.gov>, Drew Crane <drew_crane@fws.gov>, Doug Damberg <doug_damberg@fws.gov>, Mitch Ellis <mitch_ellis@fws.gov>, Socheata Lor <socheata_lor@fws.gov>, Sara Boario <sara_boario@fws.gov>, Andrea Medeiros <andrea_medeiros@fws.gov>, Mary Colligan <mary_colligan@fws.gov>, Lynnnda Kahn <lynnnda_kahn@fws.gov>, Karen Clark <karen_clark@fws.gov>, Greg Siekaniec <greg_siekaniec@fws.gov>

SAE will be making a presentation for BLM and FWS regarding their mode of operations and proposed seismic exploration in the 1002 area. Webinar info forthcoming.
Drew and John, please forward to staff in your divisions that might be interested.

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

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

From: Joanna Fox <joanna_fox@fws.gov>
Date: Fri, Jun 1, 2018 at 12:00 PM
Subject: Fwd: Invitation: SAExploration Presentation @ Mon Jun 4, 2018 10am - 12pm (AKDT) (joanna_fox@fws.gov)
To: Wendy Loya <wendy_loya@fws.gov>

Hi Wendy,
Will you please share with key staff in the RO who might be interested in joining SAExploration's presentation Monday morning? I'll send additional details (the url) as soon as I receive them.

Thank you,
Joanna

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

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

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

From: Donna Wixon <dwixon@blm.gov>

Date: Fri, Jun 1, 2018 at 11:49 AM

Subject: Invitation: SAExploration Presentation @ Mon Jun 4, 2018 10am - 12pm (AKDT)
(joanna_fox@fws.gov)

To: <joanna_fox@fws.gov>, <joshua_rose@fws.gov>, <stephanie_brady@fws.gov>, <njones@blm.gov>, <steve_berendzen@fws.gov>, <erin_carver@fws.gov>, <susan_lakomski@fws.gov>, <hollis_twitchell@fws.gov>, <tvosburgh@blm.gov>, <rkemnitz@blm.gov>, <mwhitman@blm.gov>, <bud_cribley@fws.gov>, <sheila_dufford@fws.gov>, <kdebenham@blm.gov>, <rgoodwin@blm.gov>, <edward_decleva@fws.gov>, <charles_hamilton@fws.gov>, <nheath@blm.gov>, <ted_swem@fws.gov>, <gilbert_castellanos@fws.gov>, <randy_j_brown@fws.gov>, <christopher_latty@fws.gov>, <stephen_arthur@fws.gov>, <jennifer_reed@fws.gov>, <chamfler@blm.gov>, <jkeeney@blm.gov>, <roger_kaye@fws.gov>, <patrick_odell@fws.gov>, <tmeares@blm.gov>, <greta_burkart@fws.gov>, <t75murph@blm.gov>, <slamarr@blm.gov>, <rbrumbau@blm.gov>, <dnigro@blm.gov>, <lbryant@blm.gov>, <sfritz@blm.gov>, <angela_matz@fws.gov>

[more details »](#)

SAExploration Presentation

SAExploration would like to give an on-line "skype" presentation to go over their proposed seismic action and answer some of the questions on the proposal that were submitted to them. I do not have the url for the meeting as of yet, but will let everyone know once we have it. I have reserved the Kobuk Room at BLM for anyone that would like to come here for the meeting.

When Mon Jun 4, 2018 10am – 12pm Alaska Time

Where BLM-AK FDO Kobuk Room, BLM-AK SO Bridge 4 1 888 560 9564 Passcode 9132107,
BLM-AK FDO Steese White Mountains Conference Room ([map](#))

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

Calendar joanna_fox@fws.gov

Who

- dwixon@blm.gov organizer
- joshua_rose@fws.gov
- stephanie_brady@fws.gov
- njones@blm.gov
- steve_berendzen@fws.gov
- erin_carver@fws.gov

- susan_lakomski@fws.gov
- hollis_twitchell@fws.gov
- tvosburgh@blm.gov
- rkemnitz@blm.gov
- mwhitman@blm.gov
- bud_cribley@fws.gov
- sheila_dufford@fws.gov
- kdebenham@blm.gov
- rgoodwin@blm.gov
- edward_decleva@fws.gov
- charles_hamilton@fws.gov
- nheath@blm.gov
- ted_swem@fws.gov
- gilbert_castellanos@fws.gov
- randy_j_brown@fws.gov
- joanna_fox@fws.gov
- christopher_latty@fws.gov
- stephen_arthur@fws.gov
- jennifer_reed@fws.gov
- chamfler@blm.gov
- jkeeney@blm.gov
- roger_kaye@fws.gov
- patrick_odell@fws.gov
- tmeares@blm.gov
- greta_burkart@fws.gov
- t75murph@blm.gov
- slamarr@blm.gov
- rbrumbau@blm.gov
- dnigro@blm.gov
- lbryant@blm.gov

- sfritz@blm.gov
- angela_matz@fws.gov

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

Invitation from [Google Calendar](#)

You are receiving this email at the account joanna_fox@fws.gov because you are subscribed for invitations on calendar joanna_fox@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: Crane, Drew[drew_crane@fws.gov]
Cc: Mary Colligan[mary_colligan@fws.gov]; Ted Swem[ted_swem@fws.gov]; Christopher Putnam[christopher_putnam@fws.gov]; Patrick Lemons[patrick_lemons@fws.gov]
From: Conn, Sarah
Sent: 2018-06-01T18:24:47-04:00
Importance: Normal
Subject: Fwd: NWR Authorities
Received: 2018-06-01T18:24:56-04:00
[Arctic Refuge Establishment and Purposes.pdf](#)
[Info for Authorities Presentation.docx](#)

I thought these might be of interest / help to others involved in any of the 1002 NEPA review processes.

Attached is a document Joanna Fox provided that covers Refuge's authorities and I have also attached an old document I developed which gives a very brief summary of the authorities we commonly use in the field office. Please note this document is out of date and needs to be updated to reflect the M Opinion and doesn't include MMPA but it's a start. Mary, if you think it might be beneficial for all the reviewers / folks working on this to have these authorities clear I can try and meld it into something useful.

Sarah

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

From: Joanna Fox <joanna_fox@fws.gov>
Date: Fri, Jun 1, 2018 at 1:54 PM
Subject: Re: NWR Authorities
To: Sarah Conn <sarah_conn@fws.gov>

Here are a few more pages that have a little more detail on some of our authorities (ANILCA, Wilderness Act, etc.).

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 Fri, Jun 1, 2018 at 1:47 PM Joanna Fox <joanna_fox@fws.gov> wrote:

Hi Sarah,

Our primary authorities are described described in the first chapter of our CCP - probably the most significant being the Refuge Administration Act, as amended by the national Wildlife Refuge System Improvement Act. I extracted the relevant pages that briefly describe them, and have attached that document. Hope this helps!

Joanna

Joanna L. Fox
Deputy Refuge Manager
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Fairbanks, AK 99701
(907) 456-0549

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

On Fri, Jun 1, 2018 at 12:58 PM Conn, Sarah <sarah_conn@fws.gov> wrote:

Hi Joanna,

As FES folks are helping a bit with different parts of the 1002 NEPA processes it would be very helpful for us if we know what our (FWS) legal authorities / policies are. For example, we understand and regularly provide comments / input on projects through our authorities under the Migratory Bird Treaty Act, the Fish and Wildlife Coordination Act, Endangered Species Act etc. etc. but I suspect there are some Refuge specific things that we'd also need to consider. Do you have a list of these / explanations that your folks are using?

Thanks,

Sarah

To: Conn, Sarah[sarah_conn@fws.gov]
Cc: Christopher Putnam[christopher_putnam@fws.gov]; Ted Swem[ted_swem@fws.gov]
From: Crane, Drew
Sent: 2018-06-04T14:39:02-04:00
Importance: Normal
Subject: Re: Biological Assessment for 1002 Seismic
Received: 2018-06-04T14:39:06-04:00

I'm available from 11:00 until 2:30 today. The rest of the time is filled up with meetings.

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

On Mon, Jun 4, 2018 at 9:57 AM, Conn, Sarah <sarah_conn@fws.gov> wrote:

Hi Christopher and Ted,
During our conversation on Friday I think you said that BLM had been in touch hoping that we (FWS) would develop the BA for the seismic consultation.

I think we agreed that would be pretty problematic from our standpoint and I was to get back to BLM.

However, I wonder if we (MMM and Fairbanks) shouldn't get on the phone and try to figure out what the best plan might be before we reach out to BLM. Are we doing a joint section 7 or not etc. etc. What are the specific mechanics and responsibilities for this etc.

Are you guys available to chat any time this afternoon?

Thanks,

Sarah

To: Lemons, Patrick[patrick_lemons@fws.gov]
Cc: Putnam, Christopher[christopher_putnam@fws.gov]
From: Kohout, Jenifer
Sent: 2017-12-13T18:35:33-05:00
Importance: Normal
Subject: Re: 1002 Area Mitigation Measures Text
Received: 2017-12-13T18:35:59-05:00

Looks good. I just removed an extra "in". I'll send to Drew now.

On Wed, Dec 13, 2017 at 2:16 PM, Lemons, Patrick <patrick_lemons@fws.gov> wrote:

Hi Jenifer,

Christopher put the attached together and I provided a few edits. I just talked to Drew and if you are fine with the language, feel free to send it directly to him.

Let us know if you have questions or concerns.

Patrick

On Wed, Dec 13, 2017 at 1:44 PM, Putnam, Christopher <christopher_putnam@fws.gov> wrote:

Patrick,

Attached is a document with the new proposed text. Let me know if you have any questions.

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

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

-- J.R.R. Tolkien

--

Patrick Lemons, Ph.D.
Chief, Marine Mammals Management
U.S. Fish and Wildlife Service
1011 East Tudor Road

Anchorage, AK 99503
Work: 907-786-3668
Cell: 907-717-6787
Fax: 907-786-3816
e-mail: patrick_lemons@fws.gov

--

Jenifer Kohout
Deputy Assistant Regional Director for Ecological Services
Alaska Region
U.S. Fish & Wildlife Service
p. (907) 786-3687
e. Jenifer_Kohout@fws.gov

To: Martin, John[john_w_martin@fws.gov]
Cc: Stephanie Brady[stephanie_brady@fws.gov]; Doug Damberg[doug_damberg@fws.gov]; Drew Crane[drew_crane@fws.gov]; Jenifer Kohout[jenifer_kohout@fws.gov]; Christopher Putnam[christopher_putnam@fws.gov]; Tracy Fischbach[tracy_fischbach@fws.gov]; Greg Siekaniec[greg_siekaniec@fws.gov]; Ryan Wilson[ryan_wilson@fws.gov]
From: Socheata Lor
Sent: 2017-12-15T16:05:49-05:00
Importance: Normal
Subject: Re: Coastal Plain 1002 Area Draft EA - CLEAN READING COPY FOR REVIEW
Received: 2017-12-15T16:06:06-05:00

Thank you, John, for all your hard work on this, and everyone for contributing!

Sent from my iPhone

On Dec 15, 2017, at 11:38 AM, Martin, John <john_w_martin@fws.gov> wrote:

All

As discussed this morning, and on behalf of Stephanie Brady, Chief of Conservation Planning and Policy, please find attached a reading copy of the Draft EA Coastal Plain 1002 Area proposed rule change.

Thanks

John

<Proposed Rule DRAFT EA 15 Dec 2017am1100 READING COPYv3.docx>

To: Colligan, Mary[mary_colligan@fws.gov]; Jenifer Kohout[jenifer_kohout@fws.gov]
Cc: Ryan Wilson[ryan_r_wilson@fws.gov]; Christopher Putnam[Christopher_Putnam@fws.gov];
(b) (6)]
From: Lemons, Patrick
Sent: 2017-12-17T17:50:57-05:00
Importance: Normal
Subject: 1002 Polar Bear Talking Points - for Greg
Received: 2017-12-17T17:51:00-05:00
Polar Bear Talking Points for 1002 Area - DRAFT.docx

Hi Mary,
Jenifer asked that Ryan, Christopher and I send this DRAFT document on polar bears in the 1002 area to you now so that she can brief you first thing Monday. I edited it quite heavily to get this down to a page. In the process, the links to some of the citations you see at the end were lost. Ryan can fix this first thing Monday if you and Jenifer think it's important for Greg to have the citations. Also, Christopher had some language about working with Industry to develop new mitigation measures that could be used in the 1002 area, hence emphasizing dealing with the issues now in an EIS and not waiting until a request comes in. Because Greg seemed most interested in the bear biology side of things, I removed much of it. If you and Jenifer would like to have this, just let us know and we can get it back into the document.

Let us know if you have questions.
Patrick

--

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

From: jenifer_kohout@fws.gov
Location: Mary's office
Importance: Normal
Subject: Invitation: 1002 area briefing @ Mon Dec 18, 2017 10am - 11am (patrick_lemons@fws.gov)
Start Date/Time: 2017-12-18T14:00:00-05:00
End Date/Time: 2017-12-18T15:00:00-05:00
[invite.ics](#)

[more details »](#)

1002 area briefing

I'd like to update Mary on the Friday discussion, talk strategy, then agree on briefing materials for Greg.

When	Mon Dec 18, 2017 10am 11am Alaska Time
Where	Mary's office (map)
Video call	https://plus.google.com/hangouts/_/doi.gov/jenifer_kohout
Calendar	patrick_lemons@fws.gov
Who	

-
-
-
-

jenifer_kohout@fws.g
patrick_lemons@fws.
christopher_putnam@
mary_colligan@fws.g

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

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From: Google Calendar
Location: Mary's office
Importance: Normal
Subject: Accepted: 1002 area briefing @ Mon Dec 18, 2017 10am - 11am (jenifer_kohout@fws.gov)
Start Date/Time: 2017-12-18T14:00:00-05:00
End Date/Time: 2017-12-18T15:00:00-05:00
[invite.ics](#)

Christopher Putnam has accepted this invitation.

1002 area briefing

I'd like to update Mary on the Friday discussion, talk strategy, then agree on briefing materials for Greg.

When Mon Dec 18, 2017 10am - 11am Alaska Time
Where Mary's office ([map](#))
Video call https://plus.google.com/hangouts/_/doi.gov/jenifer_kohout
Calendar jenifer_kohout@fws.gov
Who

-
-
-
-

jenifer_kohout@fws.g
christopher_putnam@
patrick_lemons@fws.
mary_colligan@fws.g

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To: Kohout, Jenifer[jenifer_kohout@fws.gov]
Cc: Stephanie Brady[stephanie_brady@fws.gov]; Lor, Socheata[socheata_lor@fws.gov]; Doug Damberg[doug_damberg@fws.gov]; Drew Crane[drew_crane@fws.gov]; Christopher Putnam[christopher_putnam@fws.gov]; Tracy Fischbach[tracy_fischbach@fws.gov]; Greg Siekaniec[greg_siekaniec@fws.gov]; Ryan Wilson[ryan_wilson@fws.gov]; Patrick Lemons[pattick_lemons@fws.gov]; Mary Colligan[mary_colligan@fws.gov]
From: Martin, John
Sent: 2017-12-18T14:30:47-05:00
Importance: Normal
Subject: Re: Coastal Plain 1002 Area Draft EA - CLEAN READING COPY FOR REVIEW
Received: 2017-12-18T14:30:55-05:00

Thanks for your time and effort on this matter.

On Mon, Dec 18, 2017 at 10:13 AM, Kohout, Jenifer <jenifer_kohout@fws.gov> wrote:

Caught a few items in 4.6.9. Please let me know if you have questions.

On Fri, Dec 15, 2017 at 11:38 AM, Martin, John <john_w_martin@fws.gov> wrote:

All

As discussed this morning, and on behalf of Stephanie Brady, Chief of Conservation Planning and Policy, please find attached a reading copy of the Draft EA Coastal Plain 1002 Area proposed rule change.

Thanks

John

--

Jenifer Kohout
Deputy Assistant Regional Director for Ecological Services
Alaska Region
U.S. Fish & Wildlife Service
p. (907) 786-3687
e. Jenifer_Kohout@fws.gov

To: Patrick Lemons[patrick_lemons@fws.gov]; James Wilder[james_wilder@fws.gov]; Christopher Putnam[christopher_putnam@fws.gov]; (b) (6)
From: Colligan, Mary
Sent: 2017-12-21T23:55:21-05:00
Importance: Normal
Subject: Document
Received: 2017-12-21T23:55:28-05:00
PB Study 2.docx

Sorry it took me longer to get this to you than I hoped. We have a lot here and I think we should maybe put a short list up front of highest priorities extracted from here pop monitoring, den detection, analysis of mitigation measures, habitat modeling and then append the full details.

See what you think and hopefully it will all come together at 8 am tomorrow.

Let me know if you think we should send this to Todd and Grant

Also, I signed out Mary Smith so we can project the document there and work off it if we want.

Thanks for your time today and for jumping on this so quickly.

--

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: Colligan, Mary[mary_colligan@fws.gov]
Cc: James Wilder[james_wilder@fws.gov]; Christopher Putnam[christopher_putnam@fws.gov]; Ryan Wilson(b) (6)
From: Lemons, Patrick
Sent: 2017-12-22T03:04:04-05:00
Importance: Normal
Subject: Re: Document
Received: 2017-12-22T03:04:10-05:00
Polar Bear Study Ideas for 1002 - PL Comments.docx

Thanks Mary for putting this together. I've edited based on what I heard today. Hope this is helpful.
Patrick

On Thu, Dec 21, 2017 at 7:55 PM, Colligan, Mary <mary_colligan@fws.gov> wrote:

Sorry it took me longer to get this to you than I hoped. We have a lot here and I think we should maybe put a short list up front of highest priorities extracted from here pop monitoring, den detection, analysis of mitigation measures, habitat modeling and then append the full details.

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Also, I signed out Mary Smith so we can project the document there and work off it if we want.

Thanks for your time today and for jumping on this so quickly.

--

Mary Colligan
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--

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Fax: 907-786-3816
e-mail: patrick_lemons@fws.gov

To: Lemons, Patrick[patrick_lemons@fws.gov]
Cc: Colligan, Mary[mary_colligan@fws.gov]; James Wilder[james_wilder@fws.gov]; Christopher Putnam[christopher_putnam@fws.gov]; ryan_r_wilson@fws.gov[ryan_r_wilson@fws.gov]
From: Ryan Wilson
Sent: 2017-12-22T10:19:35-05:00
Importance: Normal
Subject: Re: Document
Received: 2017-12-22T10:19:42-05:00
Polar Bear Study Ideas for 1002 - PL RRW Comments.docx

Hi Mary,
Thanks for pulling this together. I think it's a good distillation of our talk yesterday afternoon.
I've made my comments on the version with Patrick's comments.
Ryan

On Thu, Dec 21, 2017 at 11:04 PM, Lemons, Patrick <patrick_lemons@fws.gov> wrote:

Thanks Mary for putting this together. I've edited based on what I heard today. Hope this is helpful.
Patrick

On Thu, Dec 21, 2017 at 7:55 PM, Colligan, Mary <mary_colligan@fws.gov> wrote:

Sorry it took me longer to get this to you than I hoped. We have a lot here and I think we should maybe put a short list up front of highest priorities extracted from here pop monitoring, den detection, analysis of mitigation measures, habitat modeling and then append the full details.

See what you think and hopefully it will all come together at 8 am tomorrow.

Let me know if you think we should send this to Todd and Grant

Also, I signed out Mary Smith so we can project the document there and work off it if we want.

Thanks for your time today and for jumping on this so quickly.

--

Mary Colligan
Assistant Regional Director
Fisheries and Ecological Services
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--

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Cell: 907-717-6787
Fax: 907-786-3816
e-mail: patrick_lemons@fws.gov

To: Ryan Wilson (b) (6)
Cc: Lemons, Patrick[patrick_lemons@fws.gov]; Colligan, Mary[mary_colligan@fws.gov]; James Wilder[james_wilder@fws.gov]; Christopher Putnam[christopher_putnam@fws.gov]; Todd Atwood[tatwood@usgs.gov]; Grant Hilderbrand[ghilderbrand@usgs.gov]
From: Wilson, Ryan
Sent: 2017-12-22T14:38:33-05:00
Importance: Normal
Subject: Re: Document
Received: 2017-12-22T14:39:03-05:00
Polar Bear Study Ideas for 1002 22Dec V1.docx

Draft from this morning's meeting.

On Fri, Dec 22, 2017 at 6:19 AM, Ryan Wilson (b) (6) > wrote:

Hi Mary,
Thanks for pulling this together. I think it's a good distillation of our talk yesterday afternoon. I've made my comments on the version with Patrick's comments.
Ryan

On Thu, Dec 21, 2017 at 11:04 PM, Lemons, Patrick <patrick_lemons@fws.gov> wrote:

Thanks Mary for putting this together. I've edited based on what I heard today. Hope this is helpful.
Patrick

On Thu, Dec 21, 2017 at 7:55 PM, Colligan, Mary <mary_colligan@fws.gov> wrote:

Sorry it took me longer to get this to you than I hoped. We have a lot here and I think we should maybe put a short list up front of highest priorities extracted from here pop monitoring, den detection, analysis of mitigation measures, habitat modeling and then append the full details.

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Thanks for your time today and for jumping on this so quickly.

--

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

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

--

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

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

From: Google Calendar
Importance: Normal
Subject: ANWR 1002 PB Den Aerial IR Survey Follow-Up
Start Date/Time: 2018-04-18T14:00:00-04:00
End Date/Time: 2018-04-18T15:00:00-04:00
[invite.ics](#)

[more details »](#)

ANWR 1002 PB Den Aerial IR Survey Follow-Up

Hi All,

Now that everyone is back from fieldwork, I think it will be a good idea to get together and review the results of the PB den aerial IR survey this last February in the 1002 area of the Arctic National Wildlife Refuge. We can meet at the USFWS MMM office. Let me know if another day or time works better and we'll adjust as needed. Thanks.

When Wed Apr 18, 2018 10am – 11am Alaska Time

Video call https://hangouts.google.com/hangouts/_/doi.gov/christopher-putnam

Calendar kimberly_klein@fws.gov

Who

- christopher_putnam@fws.gov organizer
- gdurner@usgs.gov
- michelle_stmartin@fws.gov
- kimberly_klein@fws.gov
- tatwood@usgs.gov
- ryan_r_wilson@fws.gov
- patrick_lemons@fws.gov
- james_wilder@fws.gov

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

Invitation from [Google Calendar](#)

You are receiving this email at the account kimberly_klein@fws.gov because you are subscribed for invitations on calendar kimberly_klein@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: Colligan, Mary[mary_colligan@fws.gov]
Cc: Gregory Siekaniec[gregory_siekaniec@fws.gov]; Karen Clark[Karen_Clark@fws.gov]; Patrick Lemons[Patrick_Lemons@fws.gov]
From: Frazer, Gary
Sent: 2018-12-19T12:30:22-05:00
Importance: Normal
Subject: Fwd: [EXTERNAL] Briefing for OMB on draft proposed ITR for Arctic coastal plain marine mammals
Received: 2018-12-19T12:30:22-05:00
[invite.ics](#)

Here are the details for the call with OMB tomorrow. Hope the time slot works for you. -- GDF
Gary Frazer
Assistant Director -- Ecological Services
U.S. Fish and Wildlife Service
(202) 208-4646

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

From: **Patnaik, Bivan** <bivan_patnaik@ios.doi.gov>
Date: Wed, Dec 19, 2018 at 12:25 PM
Subject: Fwd: [EXTERNAL] Briefing for OMB on draft proposed ITR for Arctic coastal plain marine mammals
To: Gary Frazer <gary_frazer@fws.gov>, Lillie, Juliette <juliette_lillie@ios.doi.gov>, Sean Gallagher <sean_gallagher@ios.doi.gov>

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

From: **Oreska, Matthew P. EOP/OMB** <(b) (6) gov>
Date: Wed, Dec 19, 2018 at 12:19 PM
Subject: [EXTERNAL] Briefing for OMB on draft proposed ITR for Arctic coastal plain marine mammals
To: Patnaik, Bivan <bivan_patnaik@ios.doi.gov>, Gallagher, Sean <sean_gallagher@ios.doi.gov>, juliette_lillie@ios.doi.gov <juliette_lillie@ios.doi.gov>, Laity, Jim A. EOP/OMB <(b) (6) gov>, Hodson Marten, Elke L. EOP/OMB <(b) (6) gov>

We appreciate FWS staff providing information on the provisions in this draft proposed rule, so we can make a significance determination on this action.

Thank you,

Matthew Oreska, Ph.D.

Office of Information and Regulatory Affairs

Office of Management and Budget

--

Bivan R. Patnaik

Deputy Director of Regulatory Affairs

Office of the Executive Secretariat and Regulatory Affairs

Department of Interior

(W) 202.208.4582

(WC) 202.684.5186

To: Mary Colligan[mary_colligan@fws.gov]
Cc: Karen Clark[karen_clark@fws.gov]
From: Greg Siekaniec
Sent: 2018-12-21T10:30:19-05:00
Importance: Normal
Subject: Re: [EXTERNAL] Significance determination for 1018-BD62
Received: 2018-12-21T10:30:27-05:00

Thanks Mary

Sent from my iPhone

On Dec 21, 2018, at 5:36 AM, Mary Colligan <mary_colligan@fws.gov> wrote:

Thought you would want to see this regarding timing.

Sent from my iPhone

Begin forwarded message:

From: "Prigan, Sara" <sara_prigan@fws.gov>
Date: December 21, 2018 at 5:30:19 AM AKST
To: "Frazer, Gary" <gary_frazer@fws.gov>
Cc: "Wilkinson, Susan" <susan_wilkinson@fws.gov>, "Colligan, Mary" <mary_colligan@fws.gov>, Patrick Lemons <Patrick_Lemons@fws.gov>, Holly Herod <holly_herod@fws.gov>, Diane Bowen <diane_bowen@fws.gov>
Subject: Re: [EXTERNAL] Significance determination for 1018-BD62

If we are not asking for emergency publication, we do not submit a letter. We submit only the digitally signed document. PPM can submit the digitally signed document once it is emailed to us.

Thanks,

Sara Prigan

*Division of Policy, Performance, and Management Programs
U.S. Fish and Wildlife Service
5275 Leesburg Pike
MS: BPHC; IN104E
Falls Church, VA 22041-3808
<https://www.fws.gov/pdm/>
Telephone: 703-358-2508
Cell phone/text: 301-580-6520*

On Fri, Dec 21, 2018 at 9:18 AM Frazer, Gary <gary_frazer@fws.gov> wrote:

OK. Have Andrea's digital signature now. Just awaiting final signoff by Deputy COS. Absent an emergency justification, do you need any transmittal letter or additional action from me, or can PPM just run with the digitally signed document? -- GDF

Gary Frazer
Assistant Director -- Ecological Services
U.S. Fish and Wildlife Service
(202) 208-4646

On Fri, Dec 21, 2018 at 9:07 AM Wilkinson, Susan <susan_wilkinson@fws.gov> wrote:

Under the normal publication schedule, a document submitted today before 2 p.m. would go on public inspection next Thursday (December 27) and publish Friday (December 28)---except that OFR generally adds at least a day to the schedule for documents that are more than 100 pages long.

I just got this message from OFR's legal office: Given our available staff and the number of documents received this week, I'd say that schedule (absent an emergency justification) would be optimistic to unrealistic. Assuming no shut down, I recommend adding 2-3 days to estimated publication time, until about the second week in January. You might get surprised with earlier publication, but you won't get caught off guard when it's passed the 3-day mark.

I am reluctant to ask for emergency publication for this proposed rule, which has no real effect on the public (generally the primary standard that OFR takes into consideration). I hate to burn the good will that we have established with OFR by making unreasonable requests of them. That being said, I realize this is not my policy call to make.

The three trispot darter rulemaking documents, which were submitted to OFR Wednesday, have not yet been scheduled, so I know they are extremely busy right now (they generally always are at the end of the year).

On Fri, Dec 21, 2018 at 8:20 AM Frazer, Gary <gary_frazer@fws.gov> wrote:

I had the same thought. I'm 99% certain we'll be submitting to the FR today, and I think we'll be able to do that electronically with a

digital signature, but since it won't be on file today I'm wondering whether to even ask for expedited publication in light of the pending shutdown. Any advice from your shop? There's probably no harm in asking, and it's possible that a miracle will happen and a shutdown will be averted, but if we are shut down the information I saw from the OFR indicates that this rule is not going to be something they'll likely publish. -- GDF

Gary Frazer
Assistant Director -- Ecological Services
U.S. Fish and Wildlife Service
(202) 208-4646

On Fri, Dec 21, 2018 at 7:34 AM Wilkinson, Susan <susan_wilkinson@fws.gov> wrote:

Good morning.
What is the revised schedule for submission to OFR? I am concerned about asking for expedited handling of the document when it is over 100 pages and I'm sure that OFR is short-staffed like any other agency right now.

Thanks for your thoughts.

On Thu, Dec 20, 2018 at 6:21 PM Frazer, Gary <gary_frazer@fws.gov> wrote:

FYI. Great job.
Also, pls ensure that the final rule is included in the next forecast report to OMB.

Gary Frazer
Assistant Director -- Ecological Services
U.S. Fish and Wildlife Service
(202) 208-4646

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

From: **Patnaik, Bivan** <bivan_patnaik@ios.doi.gov>
Date: Thu, Dec 20, 2018 at 3:31 PM
Subject: Fwd: [EXTERNAL] Significance determination for 1018-BD62
To: Gary Frazer <gary_frazer@fws.gov>

Gary,
Please see email below-OMB has determined the rule to be non-significant so it can go to the OFR.

Thanks for all your help,

B

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

From: **Oreska, Matthew P. EOP/OMB** <(b) (6) gov>

Date: Thu, Dec 20, 2018 at 3:29 PM

Subject: [EXTERNAL] Significance determination for 1018-BD62

To: Patnaik, Bivan <bivan_patnaik@ios.doi.gov>

Cc: juliette_lillie@ios.doi.gov <juliette_lillie@ios.doi.gov>

Bivan,

Thank you for helping to facilitate the briefing call and for providing the materials in advance.

OIRA determines that the draft proposed rule “Marine Mammals; Incidental Take During Specified Activities: Arctic Coastal Plain; Availability of Draft Environmental Assessment” (1018-BD62) is not significant under E.O. 12866. However, we request a briefing on the public comments received in response to the proposed rule and on any changes that FWS plans to make, so that we can make a separate determination on the draft final rule. Please also let the appropriate offices within DOI know that NOAA stands ready to consult on any related activities that may affect protected marine species.

Thank you,

Matthew

Matthew Oreska, Ph.D.

Office of Information and Regulatory Affairs

Office of Management and Budget

(b) (6)

--

Bivan R. Patnaik

Deputy Director of Regulatory Affairs
Office of the Executive Secretariat and Regulatory Affairs
Department of Interior
(W) 202.208.4582
(WC) 202.684.5186

--

Susan Wilkinson
Division of Policy, Performance, and Management Programs
U.S. Fish and Wildlife Service Headquarters

5275 Leesburg Pike, MS: BPHC
Falls Church, VA 22041-3803
703-358-2506

--

Susan Wilkinson
Division of Policy, Performance, and Management Programs
U.S. Fish and Wildlife Service Headquarters

5275 Leesburg Pike, MS: BPHC
Falls Church, VA 22041-3803
703-358-2506

To: greg_siekaniec@fws.gov[greg_siekaniec@fws.gov];
karen_clark@fws.gov[karen_clark@fws.gov]
From: Mary Colligan
Sent: 2018-12-21T14:32:14-05:00
Importance: Normal
Subject: Fwd: [EXTERNAL] Significance determination for 1018-BD62
Received: 2018-12-21T14:32:22-05:00

The saga continues-3 minutes late

Sent from my iPhone

Begin forwarded message:

From: "Prigan, Sara" <sara_prigan@fws.gov>
Date: December 21, 2018 at 10:22:53 AM AKST
To: "Frazer, Gary" <gary_frazer@fws.gov>
Cc: "Wilkinson, Susan" <susan_wilkinson@fws.gov>, "Colligan, Mary" <mary_colligan@fws.gov>, Patrick Lemons <Patrick_Lemons@fws.gov>, Holly Herod <holly_herod@fws.gov>, Diane Bowen <diane_bowen@fws.gov>
Subject: Re: [EXTERNAL] Significance determination for 1018-BD62

FYI -- I asked OFR legal about the submission time of this document, and they just told me this:
Yes, under our regulations it is considered as submitted the next business day. It is in our system, so you won't have to resubmit it. The schedulers are very busy and processing documents as quickly as possible. However, it is unlikely that this document will be scheduled today.

Thanks,

Sara Prigan

*Division of Policy, Performance, and Management Programs
U.S. Fish and Wildlife Service
5275 Leesburg Pike
MS: BPHC; IN104E
Falls Church, VA 22041-3808
<https://www.fws.gov/pdm/>
Telephone: 703-358-2508
Cell phone/text: 301-580-6520*

On Fri, Dec 21, 2018 at 2:06 PM Prigan, Sara <sara_prigan@fws.gov> wrote:

I uploaded this to the Office of the Federal Register (OFR) online portal. It was accepted. The next step is for it to go to a human for review.
Please be aware -- Normally if OFR receives a document after 2 p.m., the

document is considered as having arrived the next business day. According to my email, OFR received this at 2:03 p.m.

Thanks,

Sara Prigan

*Division of Policy, Performance, and Management Programs
U.S. Fish and Wildlife Service
5275 Leesburg Pike
MS: BPHC; 1N104E
Falls Church, VA 22041-3808
<https://www.fws.gov/pdm/>
Telephone: 703-358-2508
Cell phone/text: 301-580-6520*

On Fri, Dec 21, 2018 at 1:57 PM Frazer, Gary <gary_frazer@fws.gov> wrote:

The attached file contains Andreas' digital signature. (I think. Please check. I couldn't tell.) It has now cleared ExecSec and is ready to submit to the Federal Register. Please advise the parties on this email when that is accomplished. Many thanks to you and, especially, Sue for your help on this particularly hot rock. -- GDF

Gary Frazer

*Assistant Director -- Ecological Services
U.S. Fish and Wildlife Service
(202) 208-4646*

On Fri, Dec 21, 2018 at 9:30 AM Prigan, Sara <sara_prigan@fws.gov> wrote:

If we are not asking for emergency publication, we do not submit a letter. We submit only the digitally signed document. PPM can submit the digitally signed document once it is emailed to us.

Thanks,

Sara Prigan

*Division of Policy, Performance, and Management Programs
U.S. Fish and Wildlife Service
5275 Leesburg Pike
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Telephone: 703-358-2508
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Deputy COS. Absent an emergency justification, do you need any transmittal letter or additional action from me, or can PPM just run with the digitally signed document? -- GDF

Gary Frazer
Assistant Director -- Ecological Services
U.S. Fish and Wildlife Service
(202) 208-4646

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Under the normal publication schedule, a document submitted today before 2 p.m. would go on public inspection next Thursday (December 27) and publish Friday (December 28)---except that OFR generally adds at least a day to the schedule for documents that are more than 100 pages long. I just got this message from OFR's legal office: Given our available staff and the number of documents received this week, I'd say that schedule (absent an emergency justification) would be optimistic to unrealistic. Assuming no shut down, I recommend adding 2-3 days to estimated publication time, until about the second week in January. You might get surprised with earlier publication, but you won't get caught off guard when it's passed the 3-day mark.

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Gary Frazer
Assistant Director -- Ecological Services
U.S. Fish and Wildlife Service
(202) 208-4646

On Fri, Dec 21, 2018 at 7:34 AM Wilkinson, Susan <susan_wilkinson@fws.gov> wrote:

Good morning.
What is the revised schedule for submission to OFR? I am concerned about asking for expedited handling of the document when it is over 100 pages and I'm sure that OFR is short-staffed like any other agency right now.

Thanks for your thoughts.

On Thu, Dec 20, 2018 at 6:21 PM Frazer, Gary <gary_frazer@fws.gov> wrote:

FYI. Great job.
Also, pls ensure that the final rule is included in the next forecast report to OMB.

Gary Frazer
Assistant Director -- Ecological Services
U.S. Fish and Wildlife Service
(202) 208-4646

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

From: **Patnaik, Bivan** <bivan_patnaik@ios.doi.gov>
Date: Thu, Dec 20, 2018 at 3:31 PM
Subject: Fwd: [EXTERNAL] Significance determination for 1018-BD62
To: Gary Frazer <gary_frazer@fws.gov>

Gary,
Please see email below-OMB has determined the rule to be non-significant so it can go to the OFR.

Thanks for all your help,

B

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

From: **Oreska, Matthew P. EOP/OMB** <(b) (6) gov>
Date: Thu, Dec 20, 2018 at 3:29 PM

0000013222

Subject: [EXTERNAL] Significance determination for 1018-BD62
To: Patnaik, Bivan <bivan_patnaik@ios.doi.gov>
Cc: juliette_lillie@ios.doi.gov <juliette_lillie@ios.doi.gov>

Bivan,

Thank you for helping to facilitate the briefing call and for providing the materials in advance.

OIRA determines that the draft proposed rule “Marine Mammals; Incidental Take During Specified Activities: Arctic Coastal Plain; Availability of Draft Environmental Assessment” (1018-BD62) is not significant under E.O. 12866. However, we request a briefing on the public comments received in response to the proposed rule and on any changes that FWS plans to make, so that we can make a separate determination on the draft final rule. Please also let the appropriate offices within DOI know that NOAA stands ready to consult on any related activities that may affect protected marine species.

Thank you,

Matthew

Matthew Oreska, Ph.D.

Office of Information and Regulatory Affairs

Office of Management and Budget

(b) (6)

--

Bivan R. Patnaik

Deputy Director of Regulatory Affairs

Office of the Executive Secretariat and Regulatory Affairs
Department of Interior
(W) 202.208.4582
(WC) 202.684.5186

--

Susan Wilkinson
Division of Policy, Performance, and Management Programs
U.S. Fish and Wildlife Service Headquarters

5275 Leesburg Pike, MS: BPHC
Falls Church, VA 22041-3803
703-358-2506

--

Susan Wilkinson
Division of Policy, Performance, and Management Programs
U.S. Fish and Wildlife Service Headquarters

5275 Leesburg Pike, MS: BPHC
Falls Church, VA 22041-3803
703-358-2506

To: Jim Kurth[jim_kurth@fws.gov]
From: Greg Siekaniec
Sent: 2017-11-13T19:53:10-05:00
Importance: Normal
Subject: Re: ANWR Rule
Received: 2017-11-13T20:00:48-05:00

Thanks Jim. Always interesting.

Sent from my iPhone

On Nov 13, 2017, at 5:58 PM, Jim Kurth <jim_kurth@fws.gov> wrote:

FYI

Sent from my iPad

Begin forwarded message:

From: Gregory Sheehan <gregory_sheehan@fws.gov>
Date: November 13, 2017 at 1:06:43 AM EST
To: Jim Kurth <jim_kurth@fws.gov>
Subject: Fwd: ANWR Rule

Jim,
Please see email string below. Let me know if there are any problems therein.
Thanks
Greg

Greg Sheehan
Principal Deputy Director
US Fish and Wildlife Service
202-208-4545 office
202-676-7675 cell

Begin forwarded message:

From: Scott Cameron <scott_cameron@ios.doi.gov>
Date: November 13, 2017 at 12:04:34 AM GMT+1
To: Gregory Sheehan <gregory_sheehan@fws.gov>
Cc: "Haugrud, Kevin" <jack.haugrud@sol.doi.gov>, James Cason <james_cason@ios.doi.gov>, Juliette Lillie <juliette_lillie@ios.doi.gov>, Daniel Jorjani

<daniel.jorjani@sol.doi.gov>,
andrea_travnicek@ios.doi.gov,
jason_larrabee@ios.doi.gov,
vincent_devito@ios.doi.gov,
kate_macgregor@ios.doi.gov

Subject: Re: ANWR Rule

Greg,
Thank you for having Jim Kurth reach out to the writing team. Please have Jim direct them to send revised documents ready for final surname by 11 pm eastern time on Sunday, November 19. Please have them send the documents simultaneously to you, me, Jim Cason, Jack Haugrud, Kate McGregor, Vincent Devito, Jason Larrabee, Andrea Travnicek, Dan Jorjani, and Julie Lillie. That way we can all review the documents simultaneously.

If they can get us the documents sooner, that would of course be even better.

Thanks,
Scott
Scott J. Cameron
Acting Assistant Secretary for Policy, Management and Budget
Department of the Interior

Desk: 202.208.4242
Cell: 202.706.9041

Sent from my iPhone

On Nov 12, 2017, at 2:32 PM, Gregory Sheehan
<gregory_sheehan@fws.gov> wrote:

Scott,
I have asked Jim Kurth to contact the FWS staff that is working on this to get an update Monday morning and respond back with his findings.
Thanks
Greg

Greg Sheehan
Principle Deputy Director
U.S. Fish and Wildlife Service

1849 C Street NW, Room 3358
Washington, D.C. 20250
202-208-4545 Office
202-676-7675 Cell

On Nov 9, 2017, at 7:46 PM, Haugrud, Kevin
<jack.haugrud@sol.doi.gov> wrote:

I just asked Joe for an update on how the EA revision is going with FWS, and got the following reply: "Mike provided them [the FWS team] a number of BLM resources to consult which they appreciated getting. We have the impression they are working on it but have no idea how far along it has gotten. I just called over there to ask how it is going but I think folks are gone for the 3-day weekend." At this stage, I think we need someone to provide the drafting team a firm deadline to get a revised draft back to SOL. Mike Gieryic went through the issues with them and provided resources he thought they could use to address the identified issues, so the FWS team should be able to provide a timetable for completion.

On the opinion front, I have not had time to focus on it this week, but I'm working with Jim and Andrea on some administrative record issues that we can discuss at your convenience. To place expectations at an appropriately low level (which I'm sure they already are when dealing with me), I should note that we have a number of rulemaking

priorities that the Deputy Secretary is expecting to have completed next week, so I am unlikely to have much time to devote to the matter next week either. I'm copying Dan for his awareness.

On Thu, Nov 9, 2017 at 7:08 PM, Cameron, Scott
<scott_cameron@ios.doi.gov>
wrote:

Jack,
What's the status of the ANWR
draft rule and EA?

Thanks,
Scott
Scott J. Cameron
Acting Assistant Secretary for Policy, Management and Budget
Office of the Secretary of the Interior
Desk 202 208 4242
Cell 202 706 9031

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

From: **Laity, Jim A. EOP/OMB**

<(b) (6)>
ov>

Date: Thu, Nov 9, 2017 at 7:05 PM
Subject: FW: ANWR Rule
To: "scott_cameron@ios.doi.gov"
<scott_cameron@ios.doi.gov>

Scott, Sorry, got your email wrong below. Please contact me
any time if I can be helpful.
jim

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

From: Laity, Jim A. EOP/OMB
Sent: Thursday, November 9, 2017 7:03 PM
To: 'james_cason@ios.doi.gov' <james_cason@ios.doi.gov>
Cc: 'scott_cameron@doi.ios.gov' <scott_cameron@doi.ios.gov>
Subject: ANWR Rule

Jim, I am writing mainly to provide my contact info, as
promised last week. Please

don't hesitate to contact me if I
can be of assistance with any
transactions between our two
agencies.

Also, you mentioned at the meeting last week that you thought
we would see this draft rule
informally soon. We are
committed to a quick
turnaround as I mentioned.
Any update on when we
should expect to see it?

Jim Laity
Chief, Natural Resources and Environment Branch
Office of Information and Regulatory Affairs
Office of Management and Budget

(b) (6)

To: Greg Siekaniec[greg_siekaniec@fws.gov]
From: Clark, Karen
Sent: 2018-01-10T19:49:05-05:00
Importance: Normal
Subject: Fwd: Due by CoB Wednesday, January 10: Responses to OMB Comments on the 90-day List
Received: 2018-01-10T19:49:47-05:00
OMB comments for FWS on Q2 FY2018 quarterly report.docx

Do you know anything on the status of this? I haven't seen this table before, so thought I would confirm with you.

Here is the part of the table for Arctic:

<p>1018 BC92 Geological and Geophysical Exploration of the Coastal Plain, Arctic National Wildlife Refuge, Alaska; Exploration Plans; Application Requirements 50 CFR 37</p>	<p>In a discussion last fall, DOI indicated it would share with OMB a Solicitor's Opinion laying out the authority to conduct this G&G work, a draft EA, and the draft regulations themselves, but to date, we have not received this. When does DOI anticipate sharing this with OMB, CEQ, and DOJ?</p> <p>Does FWS anticipate requiring additional staff or resources to complete this rulemaking or to review applications that are submitted (including the completion of necessary environmental analyses)? If so, what, and is there anything that the 2019 Budget ought to do to address this?</p> <p>How does the recently enacted tax bill affect this regulation, if at all?</p> <p>What is DOI's anticipated timeline for completing this rulemaking, and when does DOI expect geological and geophysical exploration activities to begin?</p>	<p>DOI briefed EOP Q1 (10/30/17).</p>
--	---	---------------------------------------

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

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

From: **Morris, Charisa** <charisa_morris@fws.gov>
Date: Wed, Jan 10, 2018 at 3:32 PM
Subject: Fwd: Due by CoB Wednesday, January 10: Responses to OMB Comments on the 90-day List
To: Gregory Siekaniec <greg_siekaniec@fws.gov>, Karen Clark <karen_clark@fws.gov>, Bud Cribley <bud_cribley@fws.gov>
Cc: Cynthia Martinez <Cynthia_Martinez@fws.gov>, Shaun Sanchez <shaun_sanchez@fws.gov>, Jim Kurth <jim_kurth@fws.gov>, Zachariah Gambill <zachariah_gambill@fws.gov>, Kashyap Patel <kashyap_patel@fws.gov>

FYI - I connected with Megan Apgar today, and SOI would like to know the status/location of the ANWR rule, in addition to the questions that are in the table. Last I heard, it may be with Dan Jorjani, but those on this thread know more than me.

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

From: **Craghead, Anissa** <anissa_craghead@fws.gov>
Date: Tue, Jan 9, 2018 at 7:06 AM
Subject: Due by CoB Wednesday, January 10: Responses to OMB Comments on the 90-day List
To: Jim Kurth <jim_kurth@fws.gov>, Charisa Morris <charisa_morris@fws.gov>
Cc: Susan Wilkinson <susan_wilkinson@fws.gov>, Katherine Garrity <katherine_garrity@fws.gov>

Good morning, Jim and Charisa.

Exec Sec provided FWS with OMB's comments on FWS actions on the January to March 90 day list. One of the rulemaking actions they want more information on is 1018 BC92, the ANWR action. (It's the last entry in the attachment.) We are to provide responses to Exec Sec using the attached template by Thursday, 1/11.

OMB's exact questions about this action are in the attachment. I don't know how you want to handle this if you'd like to speak directly to Megan Apgar, or if you'd like to include a response in the attachment. Please let me and Susan Wilkinson know.

Thanks,

Anissa

0000013231

*Anissa Craghead
Senior Management Analyst, Division of Policy, Performance, and Management Programs
U.S. Fish and Wildlife Service
5275 Leesburg Pike, MS: BPHC
Falls Church, VA 22041-3803
Telephone: 703-358-2445*

--

Charisa Morris@fws.gov | Chief of Staff, Office of the Director | U.S. Fish & Wildlife
Service | 1849 C Street NW, Room 3348 | Washington, DC 20240 | (202) 208-3843 | For urgent matters,
please dial cell: 301-875-8937

To: Clark, Karen[karen_clark@fws.gov]
From: Greg Siekaniec
Sent: 2018-01-10T20:23:51-05:00
Importance: Normal
Subject: Re: Due by CoB Wednesday, January 10: Responses to OMB Comments on the 90-day List
Received: 2018-01-10T20:23:55-05:00

I do not know. Our EA is on hold. I asked Kurth and he was uncertain how to think about this. Perhaps I find out something tomorrow.

Sent from my iPhone

On Jan 10, 2018, at 7:49 PM, Clark, Karen <karen_clark@fws.gov> wrote:

Do you know anything on the status of this? I haven't seen this table before, so thought I would confirm with you.
Here is the part of the table for Arctic:

1018 BC92 Geological and Geophysical Exploration of the Coastal Plain, Arctic National Wildlife Refuge, Alaska; Exploration Plans; Application Requirements 50 CFR 37	<p>In a discussion last fall, DOI indicated it would share with OMB a Solicitor's Opinion laying out the authority to conduct this G&G work, a draft EA, and the draft regulations themselves, but to date, we have not received this. When does DOI anticipate sharing this with OMB, CEQ, and DOJ?</p> <p>Does FWS anticipate requiring additional staff or resources to complete this rulemaking or to review applications that are submitted (including the completion of necessary environmental analyses)? If so, what, and is there anything that the 2019 Budget ought to do to address this?</p> <p>How does the recently enacted tax bill affect this regulation, if at all?</p>	DOI briefed EOP Q1 (10/30/17).
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	What is DOI's anticipated timeline for completing this rulemaking, and when does DOI expect geological and geophysical exploration activities to begin?	
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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

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

From: **Morris, Charisa** <charisa_morris@fws.gov>
Date: Wed, Jan 10, 2018 at 3:32 PM
Subject: Fwd: Due by CoB Wednesday, January 10: Responses to OMB Comments on the 90-day List
To: Gregory Siekaniec <greg_siekaniec@fws.gov>, Karen Clark <karen_clark@fws.gov>, Bud Cribley <bud_cribley@fws.gov>
Cc: Cynthia Martinez <Cynthia_Martinez@fws.gov>, Shaun Sanchez <shaun_sanchez@fws.gov>, Jim Kurth <jim_kurth@fws.gov>, Zachariah Gambill <zachariah_gambill@fws.gov>, Kashyap Patel <kashyap_patel@fws.gov>

FYI - I connected with Megan Apgar today, and SOI would like to know the status/location of the ANWR rule, in addition to the questions that are in the table. Last I heard, it may be with Dan Jorjani, but those on this thread know more than me.

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From: **Craghead, Anissa** <anissa_craghead@fws.gov>
Date: Tue, Jan 9, 2018 at 7:06 AM
Subject: Due by CoB Wednesday, January 10: Responses to OMB Comments on the 90-day List
To: Jim Kurth <jim_kurth@fws.gov>, Charisa Morris <charisa_morris@fws.gov>
Cc: Susan Wilkinson <susan_wilkinson@fws.gov>, Katherine Garrity <katherine_garrity@fws.gov>

Good morning, Jim and Charisa.
Exec Sec provided FWS with OMB's comments on FWS actions on the January to March 90 day list.
One of the rulemaking actions they want more information on is 1018 BC92, the ANWR action. (It's the

last entry in the attachment.) We are to provide responses to Exec Sec using the attached template by Thursday, 1/11.

OMB's exact questions about this action are in the attachment. I don't know how you want to handle this if you'd like to speak directly to Megan Apgar, or if you'd like to include a response in the attachment. Please let me and Susan Wilkinson know.

Thanks,

Anissa

*Anissa Craghead
Senior Management Analyst, Division of Policy, Performance, and Management Programs
U.S. Fish and Wildlife Service
5275 Leesburg Pike, MS: BPHC
Falls Church, VA 22041-3803
Telephone: 703-358-2445*

--

Charisa Morris@fws.gov | Chief of Staff, Office of the Director | U.S. Fish &
Wildlife Service | 1849 C Street NW, Room 3348 | Washington, DC 20240 | (202) 208-3843 |
For urgent matters, please dial cell: 301-875-8937

<OMB comments for FWS on Q2 FY2018 quarterly report.docx>

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

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

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

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

Yes. Things are changing every minute. I will try to bring you up to date and the issues are starting to become more obvious and in need of higher level reviews and discussion regarding how to resolve.

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

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

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

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

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

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

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

Dear Ryan and Todd,

The FWS would like to see a full proposal for the Polar Bear Den disturbance project you described in your pre-proposal. Below are questions from one reviewer that should be considered. We would also very much like you to consider initiating this work next winter (Dec 2018/Jan 2019) when areawide seismic is expected to occur. If SSP funding would not be available that quickly, please let FWS know through a response to Wendy Loya so FWS can try to make alternative arrangements.

The deadline for full proposals to FWS is August 16th so that our 1002 team can review prior to submission to USGS by August 31st.

1. Polar Bear Den Disturbance Levels Associated with Industrial Activity in the 1002 Area.

- Please explain BMPs and permit stipulations currently in place and describe if these have been effective in preventing disturbance to denning polar bears; are these BMPs and permit stipulations accepted by industry? How were determined? If they are working, what is the reason for this research?
- The proposed work would establish artificial dens in a variety of habitats. Please verify if these artificial dens will mimic actual polar bear dens in size, depth below surface, opening size etc. to mimic actual dens.
- The work states that a variety of treatments will be applied to each den. Please describe what is meant by the term "treatment" i.e., will this research employ the same equipment as industry uses during winter oil and gas exploration (e.g., seismic vehicles, helicopters, snow machines, rolligons, cat trains)?
- How do the Principal Investigators plan to relate noise and vibration measurements to behavioral tolerances of denning polar bears? For example, a research finding from this study might conclude that "noise levels emitted by a 3D seismic *Vibroseis* truck located 1.6 km away from a simulated polar bear den 5 m below the surface in an onshore drained lake bluff is 80% less than that emitted by the same vehicle located 0.8 km away. How do the authors propose to use this information to draft stipulations?
- How will this research be used to review and change (if necessary) current BMPs and stipulations currently in place for seismic work?
- The authors state the conservation outcome of this work *will inform how far different types of industrial activities need to occur to avoid disturbing maternal denning polar bears*. Please explain how you intend to relate noise attenuation to potential physiological and behavioral responses (e.g., increased respiration rate, awakening, emergence from den, abandonment of den) by maternal denning polar bears. Do the authors know what decibel or vibration levels result in physiological or behavioral changes?
- Is this work fundamentally different from the previous attempts to quantify noise due to

testing, drilling, and transport activities that showed little to no effect outside of 100 m buffers (Blix and Lentfer 1992)?

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

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

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

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

Dear Josh and Joshua,

The FWS would like to see a full proposal for the Polar Bear Population Monitoring project you described in your pre-proposal. Below are questions from one reviewer that should be considered. Further, we would like you to work with FWS 1002 Program staff and biologists closely to ensure this research meets management needs, and recommend setting up a group meeting to discuss with John Trawicki, Randy Brown, Steve Arthur, Wendy Loya and Matthew Whitman at BLM, if available.

The deadline for full proposals to FWS is August 16th so that our 1002 team can review prior to submission to USGS by August 31st.

3. Groundwater-

- Please describe the relationship(s), roles, and relative importance of ground water in recharging rivers and surface waters (e.g., lakes, wetlands) on the Arctic Refuge Coastal Plan relative to surface water (e.g., snow melt).

The authors state "[T]his study will inform management decisions related to vulnerability and allocation of surface waters in the Arctic Refuge". Please describe the specific management decisions this research will provide answers to i.e., how will this research be used to develop specific guidelines for regulatory agencies to adopt to protect ground water? For example, "To protect ground water and recharge capacities in the Canning River vital to maintain aquatic vertebrates and invertebrates, no more than 15% of volume may be removed over a 30-day period during December through April."

- The project will map, characterize, and quantify groundwater upwelling, source areas, age and aufeis formation and thaw in order to determine the importance of groundwater to river discharge. Please describe the scale of this research (all of the 1002 or Coastal Plain of the Refuge? Specific rivers?)

- Please explain the relationship and roles of groundwater, aufeis fields, and groundwater

upwelling to river discharge. Further, please explain the roles of groundwater in wetland and lake recharge as these waters are in limited supply relative to Central and Western Arctic Coastal Plain. Has deficient groundwater supply or quality been identified in the past as a limiting factor to any ecological process in the area?

- Please describe if groundwater and aufeis are removed for oil and gas activities in other parts of the Arctic Coastal Plain and if so, what stipulations are currently in place?
- The proposed work appears to be largely research oriented (e.g., quantifying hydraulic and temperature gradients related to groundwater upwelling, water quality sampling, hydraulic connectivity of proximal surface sediments, geochemical analyses) but does not make the connection on how this information has been used, or will be used to mitigate impacts of oil and gas exploration and development on water resources. Further, this research is described as providing “the basis for interdisciplinary studies on the contribution of groundwater and groundwater features to riverine habitats on the coastal plain...” Will this study provide the answer to the relative importance of ground water vs. surface water recharge to rivers and lakes on the Arctic Refuge Coastal Plain or will additional work be needed to address this question?
- Please describe if groundwater is in short supply or a limiting environmental factor in this area of the Arctic Coastal Plain or in the Central Arctic and NPR-A?
- The cost of this proposal (\$285,000 to \$435,000) would require a significant portion of the USGS SS/QRP budget in FY2019 and likely outlying years; further, it does not sufficiently explain how this research will inform specific management decisions or relate the importance of groundwater vs. precipitation (rain, snow) to river and wetland recharge. These deficiencies should be corrected in a full proposal.

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

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

Dear Angela and David,

The FWS would like to see a full proposal for the contaminants baseline you described in your pre-proposal. Below are questions from one reviewer that should be considered. I believe we are interested in a proposal outside of the QRP/SSP program, whereby cost-sharing among FWS and other agencies could contribute to funding. While we might expect industry to monitor for specific contaminants in areas in our adjacent to areas of development interest, we would consider this research as areawide. That could therefore include taking into consideration of seasonal wildlife habitats and subsistence use areas. Please don't hesitate to contact Drew, Wendy, Steve Berendzen, or Josh Rose with questions.

The deadline for full proposals to FWS is August 16th so that our 1002 team can review prior to submission to USGS by August 31st.

7. Environmental Contaminants Baseline Evaluation of the Arctic NWR Coastal Plain (1002 Area).

- Given the relatively pristine conditions and ecological values of the Arctic NWR, this study is uniquely positioned to provide some of the most important baseline pollutants and contaminants data in entire circumpolar region.
- The authors do a nice job in explaining legal mandates, contaminants of concern, and potential pathways through sediments, invertebrates and vertebrates; however, the proposal would be stronger should the authors describe how baseline data can be used for: (i) site specific and range-wide assessments pre- and post-development analyses; (ii) concerns to subsistence food resources including fish and caribou; (iii) potential degradation of water quality and (iv) better positioning the Service by providing defensible baseline data demonstrating degradation post development.
- Given the costs associated with sample collection, laboratory analyses and write-up, the authors should consider the potential of cost-sharing with other programs (e.g., the Refuge I&M Program), other agencies (e.g., EPA, BLM, ADEC), local and regional governments and corporations (ASRC, Kaktovik), management bodies (Eskimo Whaling Commission, Marine Mammal Commission), and conservation groups.
- The authors should describe the advantages and disadvantages of industry-led contaminant and pollutant monitoring as part of the permitting process.
- Budget: given that \$200K would allow sampling and analyses of sediments, water, and vegetation starting in 2019, and that fish sampling could be delayed for 1-2 years, the authors should develop budget scenarios that allow for flexibility and time to cost share with other organizations and agencies.

Dr. Wendy M. Loya,

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

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

Hello Joshua,

Attached is a map of the proposed cumulative area for the seismic EA. Would you please provide information that USFWS has on activities taking place within the area identified; now, in the last 5 years and any projected in the next 5 years?

Sorry for the quick turn around request, but if you could get this information to me Monday that would be very helpful.

Thanks,
Donna

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

To: John Trawicki[john_trawicki@fws.gov]
From: Wendy Loya
Sent: 2018-08-10T17:42:32-04:00
Importance: Normal
Subject: FW: [EXTERNAL] POSSIBLE Water Withdrawal Locations
Received: 2018-08-10T17:42:41-04:00
MC WaterWLocations-2018.kmz

The lakes they are interested in

From: Wixon, Donna <dwixon@blm.gov>
Sent: Tuesday, July 31, 2018 8:58 AM
To: Joshua Rose <joshua_rose@fws.gov>; Wendy Loya <Wendy_loya@fws.gov>
Cc: Shelly Jacobson <njones@blm.gov>; Sarah LaMarr <slamarr@blm.gov>
Subject: Fwd: [EXTERNAL] POSSIBLE Water Withdrawal Locations

Good Morning,

Please see attached map of lakes that SAE may want to withdraw water. Do you have any information on these lakes?

Thanks,
Donna

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

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

From: Suzan Simonds <ssimonds@contractor.saexploration.com>
Date: Mon, Jul 23, 2018 at 3:33 PM
Subject: [EXTERNAL] POSSIBLE Water Withdrawal Locations
To: Sarah LaMarr <slamarr@blm.gov>, Donna Wixon <dwixon@blm.gov>
Cc: Marsh Creek Permitting <MarshCreekPermitting@saexploration.com>

Hi Sara

Compared to most other winter north slope activities, seismic water withdrawal is considered minimalistic by the state. SAE follows the following guide lines for water

withdrawal. These guidelines are an explanation for when a company would need to file for a Temporary water use permit (TWUP) if the amounts are exceeded. In normal operations we/SAE does not exceed this amount described below:

- the consumptive use of more than 5,000 gallons of water from a single source in a single day;
- the regular daily or recurring consumptive use of more than 500 gpd from a single source for more than 10 days per calendar year
- the non-consumptive use of more than 30,000 gpd (0.05 cubic feet per second) from a single source; or
- any water use that may adversely affect the water rights of other appropriators or the public interest.

I have put together a KMZ file for possible lakes that may work for water withdrawal. These lakes would be looked as we move into winter planning.
Please let me know if you need anything else.

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

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

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

Hi Donna,

I am just back and responding to this request. I have talked with John Trawicki, Chief of Water Resources, about the proposed lake water withdrawal locations. I believe we have provided SAE, and thus BLM, with all of the information we have regarding lakes. What we need to extract from that info are: 1) lake depths and 2) if fish presence is known. We don't know fish presence/absence for every lake, so if it is of sufficient depth to have unfrozen water in winter, I would imagine it is standard procedure to assume there may be fish, but that should also be spelled out in DNR guidelines.

SAE provides water withdrawal guidelines for "small" water withdrawals (my term, not theirs or DNRs). We also have the BMP/ROP from NPRA, which I believe is identical to DNR requirements, and is what is recommended in the Coastal Plain Draft Leasing EIS.

Required Operating Procedure 10

Objective: Maintain natural hydrologic regimes in soils surrounding lakes and ponds and maintain populations of, and adequate habitat for, fish, aquatic invertebrates, and waterfowl.

Requirement/Standard: Withdrawing unfrozen water from lakes and removing ice aggregate from grounded areas 4 feet deep or less may be authorized on a site-specific basis, depending on water volume and depth and the water body's fish community. Current water use requirements are as follows:

- a. Lakes with any fish except ninespine stickleback or Alaska blackfish: unfrozen water available for withdrawal is limited to 15% of calculated volume deeper than 7 feet; only ice aggregate may be removed from lakes that are 7 feet deep or less.
- b. Lakes with only ninespine stickleback or Alaska blackfish: unfrozen water available for withdrawal is limited to 30% of calculated volume deeper than 5 feet; only ice aggregate may be removed from lakes that are 5 feet deep or less.
- c. Lakes with no fish, regardless of depth: water available for use is limited to 35% of total lake volume.
- d. In lakes where unfrozen water and ice aggregate are both removed, the total use would not exceed the respective 15%, 30%, or 35% volume calculations.
- e. Additional modeling or monitoring may be required to assess water level and water quality conditions before, during, and after water use from any fish-bearing lake or lake of special concern.
- f. Any water intake structures in fish-bearing or non-fish-bearing waters would be designed, operated, and maintained to prevent fish entrapment, entrainment, or injury. **Note:** All water withdrawal equipment must be

equipped with and use fish screening devices approved by the Alaska Department of Fish and Game, Division of Habitat.

- g. Compacting snow cover or removing snow from fish-bearing water bodies would be prohibited, except at approved ice road crossings, water pumping stations on lakes, or areas of grounded ice.
- h. Additional modeling and monitoring of lake recharge may be required to ensure natural hydrologic regime, water quality, and aquatic habitat for migratory birds.

Because we are in the 1 week review of the DEIS, I don't have time to do the analysis and say whether we have concerns or not regarding SAE's proposed water withdrawals, but I believe we have all the info we need to evaluate that in the EA along with the ROPs. We can look for staff with GIS expertise to help with this if needed, please let Josh and I know.

Thank you,
Wendy

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

From: Wixon, Donna <dwixon@blm.gov>

Sent: Tuesday, July 31, 2018 8:58 AM

To: Joshua Rose <joshua_rose@fws.gov>; Wendy Loya <Wendy_loya@fws.gov>

Cc: Shelly Jacobson <njones@blm.gov>; Sarah LaMarr <slamarr@blm.gov>

Subject: Fwd: [EXTERNAL] POSSIBLE Water Withdrawal Locations

Good Morning,

Please see attached map of lakes that SAE may want to withdraw water. Do you have any information on these lakes?

Thanks,
Donna

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

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

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

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

Subject: [EXTERNAL] POSSIBLE Water Withdrawal Locations

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

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

Hi Sara

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- the regular daily or recurring consumptive use of more than 500 gpd from a single source for more than 10 days per calendar year
- the non-consumptive use of more than 30,000 gpd (0.05 cubic feet per second) from a single source; or
- any water use that may adversely affect the water rights of other appropriators or the public interest.

I have put together a KMZ file for possible lakes that may work for water withdrawal. These lakes would be looked as we move into winter planning.
Please let me know if you need anything else.

Suzan Simonds

Permit and Regulatory Manager

SAExploration, Inc.

Safety – Acquisition - Experience

8240 Sandlewood Pl., Suite 102

Anchorage, AK 99507

907-331-8140 Cell

907-522-4499 Main

907-522-4498 Fax

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

Hi John,

FWS R7 decided to fund this outside of QRP/SSP so that it could be done but also so that the Alaska Science Center projects would be the priority for the QRP/SSP funding. Attached was the last statement of work I saw. I don't have documentation of it, but there was discussion of NSSI providing additional time/space sampling and support for additional analysis. I will keep you in the loop as things move forward, same with any other USGS projects that might emerge. We have discussed snow modeling with Steve and Jeremy with the Climate Science Center, but nothing formal that I am aware of.

Thanks,
wendy

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

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

Hi Wendy,

I just heard of this below. Keep me posted on this and any other developments with other USGS scientists so I can keep track of what our agency is doing for FWS in the Arctic Refuge. We are keeping a summary of projects for community briefings, etc. and I want to make sure I include everything. Is this funding in addition to what might be funded through SSP/QRP next year for contaminants?

Thanks,
John

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

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

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

Assuming JP heard this from FWS -- but sharing just in case....

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

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

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

Subject: Fwd: update to proposed work in Arctic NWR

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

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

Hi Aimee

Please see the note below from Dave Alvarez. It appears that FWS will be funding the project related to ANWR. Let me know if you would like to receive additional information. Chris, once a study plan is developed I'll share with you so your office is familiar with what is being proposed and let me know if you see any opportunities for synergy between our two centers.

Thanks,

Rip

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

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

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

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

Subject: update to proposed work in Arctic NWR

To: Rip Shively <rsshively@usgs.gov>

Rip,

I had a phone discussion late yesterday with my FWS contact, Angela Matz, in Anchorage

regarding our proposed collaboration to conduct a study to determine the "background" conditions in the 1002 region prior to energy exploration. Originally, we had proposed a joint project with USGS receiving \$90K in funding to help design a monitoring program and perform chemical analyses on water, sediments, soils, and vegetation. After reviewing the original proposal, FWS has increased the funding to USGS to \$150K to increase the number of samples we will be analyzing. FWS is frantically revising the IAA to submit ASAP to get the funding in place.

Dave

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

--

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

To: Sarah Conn[sarah_conn@fws.gov]; Joshua Rose[joshua_rose@fws.gov]
Cc: Steve Berendzen[steve_berendzen@fws.gov]; Joanna Fox[joanna_fox@fws.gov]
From: Wendy Loya
Sent: 2018-07-09T10:26:35-04:00
Importance: Normal
Subject: Re: NPRA snow depth requirement (best management Practice)
Received: 2018-07-09T10:27:08-04:00
[HulaHulaApril2017 - 1 \(1\).jpg](#)
[HulaHulaApril2017 - 1.jpg](#)
[IvoMelt2000.dat](#)

Hi Sarah and Josh,

To follow up and continue forward on the winter tundra travel issue, here is an update that you can share with your team working on this issue. Paul and I have been working with Matthew Sturm at UAF to understand landscape scale snow distribution. Below is some correspondence from late last week and over the weekend regarding seismic, that builds off of a year of conversations (we were interested in snow long before seismic was proposed).

Also, this is the current draft of the BMP we would vet with Alaska DNR and BLM this week at the workshop. The values could be adjusted (up or down) based on what you all might find with regards to documenting the efficacy of the current snow depth requirements. Clearly, a very rapid work in progress, and nothing will be final until Friday ☺ LOL.

C-2 Best Management Practice

Objective: Protect stream banks, minimize compaction of soils, and minimize the breakage, abrasion, compaction, or displacement of vegetation.

Requirement/Standard:

a.—Ground operations shall be allowed only when frost depth are at sufficient depths and snow cover is at sufficient depths and density to protect the tundra, as determined by the authorized officer and the US Fish and Wildlife Service. Soils should be frozen at least 12 inches below the lowest surface height (e.g. intertussock space). Snow depth and snow density should amount to no less than a Snow Water Equivalent of 3" over the highest vegetated surface (e.g. top of tussock). Ground operations shall cease when the spring snowmelt begins when snow depth and density no longer meet criteria. Ground operations shall be allowed only when frost and snow cover are at sufficient depths to protect the tundra. Ground operations shall cease when the spring snowmelt begins (approximately May 5 in the foothills area where elevations reach or exceed 500 feet and approximately May 15 in the northern coastal areas). The exact dates will be determined by the authorized officer.

Table for Snow Depth x Density to achieve Snow Water Equivalent of 3"

Snow Specific Gravity	Needed Snow Depth (inches)
0.05	60
0.1	30

0.15	20
0.2	15
0.25	12
0.3	10
0.35	9
0.4	8
0.45	7
0.5	6

b. Low-ground-pressure vehicles shall be used for on-the-ground activities off ice roads or pads. Low-ground-pressure vehicles shall be selected and operated in a manner that eliminates direct impacts to the tundra by shearing, scraping, or excessively compacting the tundra mat. **Note:** This provision does not include the use of heavy equipment such as front-end loaders and similar equipment required during ice road construction.

c. Bulldozing of tundra mat and vegetation to create trails or seismic lines is prohibited. ~~Clearing of drifted snow is allowed on existing snow trails, snow pads for camps, ice roads, or ice pads~~ seismic to the extent that the tundra mat is not disturbed.

d. To reduce the possibility of ruts, vehicles shall avoid using the same trails for multiple trips unless necessitated by serious safety or superseding environmental concern. This provision does not apply to hardened snow trails for use by low-ground-pressure vehicles such as Rolligons.

e. The location of ice roads shall be designed and located to minimize compaction of soils and the breakage, abrasion, compaction, or displacement of vegetation. Offsets may be required to avoid using the same route or track in the subsequent year.

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

From: Matthew Sturm <msturm1@alaska.edu>
Sent: Saturday, July 7, 2018 3:18 PM
To: Wendy Loya <wendy_loya@fws.gov>
Cc: Paul Leonard <paul_leonard@fws.gov>
Subject: [EXTERNAL] Re: NPRA snow depth requirement (best management Practice)

Here are several comments on the draft:

1. The stipulations are being based on those being used in the NPRA, but two questions make this a somewhat shaky foundation:

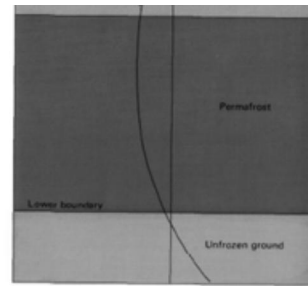
- Are there case studies that document that the standards as applied in NPRA have been successful to date? I am unaware of any longitudinal studies tracking conditions since activities in NPRA have increased. What level of damage has been observed under what snow conditions?
- There are distinct physiographic differences between the 1002 and the northern NPRA, chiefly that the former experiences higher winter winters than the latter, while the latter domain is about 50% thaw lake in comparison <10% for the 1002 area (these percentages are rough estimates but could be done quantitatively).
- To my knowledge, the 6" 12" rule was put forward by Max Brewer of NARL prior to the first work on the NPRA (this fact may be in Reed's 1958 USGS Professional Paper on NPRA), and it is mentioned in Gryc's USGS Professional Paper 1240-C on the area. The basis for it was mostly common sense: 12" to prevent ground deformation; 6" to buffer the vegetation. But of course, the stipulations date from an era when there was a higher acceptance of damage (see image from Gryc's paper).

caused. Ice roads can be built for the use of surface vehicles. Large or permanent structures are placed

but, as demonstrated by this program, the problems can be solved.



Tracks made by a tracked vehicle in the tundra during the Pet-4 program.



Generalized graph of ground temperature versus depth. In the Arctic, annual temperature variations may be detected to a depth of 70 to 100 feet. The lower boundary for permanently frozen ground is about 1,000 feet at Barrow and 2,000 feet at Prudhoe Bay (modified from Hansen and Brown, 1971).

THE NATIONAL PETROLEUM RESERVE IN ALASKA C49

2. While it sounds like the protocol is to measure 20 depths across 100-m transects and average, the stipulation merely says 6" for snow. But the frost (12") is specified as being measured in the intertussock area. To be parallel, one might think the snow standard would be 6" above tussock tops to ensure an adequate minimum cover. I would also like the 20 measurements to be evenly spaced, but the transect location to be somewhat random so it is not deep-snow biased.

3. Coastal vs. Foothills snow: While the Camden Bay to Marsh Creek line shows less snow a Marsh Creek, this is due to strong katabatic scour drainage winds off of the Sadlerochit Mountains. It is

unclear (as we don't have comparative data along North-South line across the 1002) whether this is a general or local gradient. See #2: if the 6" is specified as the minimum above most tussock tops, then is a Foothills vs. Coastal value difference necessary?

4. The 6" rule has always been flawed because it specifies "volume" rather than "mass". Consider that a balloon has a large volume, and almost no protection value when run over by a vehicle. So first a lesson in snow density:

Snow falls from the sky and once on the ground begins to settle. Initial (just after deposition) densities range from 0.05 grams/cm³ (3.12 lbs/ft³) for fluffy powder and no wind, to about 0.3 grams/cm³ for wet Cascade cement. Densification on the ground increases the density; it takes place slowly in cold conditions and thin snow packs, and rapidly in deep wet snow packs. Wind is the other way snow can get dense....the wind picks up grains, pulverizes them and then deposits them, packing them tighter and sintering them (bonding them) into a cohesive mass.

Most seasonal snow covers (including the 1002) are made up of 5 to 15 layers of snow, each with an initial density and each undergoing some densification. The bulk density of the whole snow pack is the weighted average of all these layers. Typically, we just core the whole thing and weigh the core to get the bulk density.....but do remember that we might have a dense snow pack 40 cm deep, get a big fluffy snowfall that adds an additional 20 cm of fluff....and now the pack that had an average density that met a standard, no longer does...the bulk value has been greatly reduced.

Worldwide, the average bulk density of seasonal snow packs is 0.3 gram/cm³ (18.7 lbs/cubic ft.). Drifts in the NPRA and 1002 would have bulk densities of 0.4 to 0.5 grams/cm³ (25 to 31 lbs/ft³). Without melting or heavy comminution, physical compaction of snow can only bring the density 0.6 gram/cm³.

So Specifying depth is not a good approach, but then neither is specifying density alone. 6" of fluff is a No Go, while 6" of 0.6 grams/cm³ drift snow is a lot of protection: 1 cm of bulk density 0.4 grams/cm³ snow is not enough protection, while 10 cm of 0.2 grams is plenty.

5. If we assume the 6" rule has worked OK (not sure it has, but let's assume so), and that it usually has been applied to a snow pack that has undergone wind action and settlement, then we could assume the snow was at a bulk density on the order of 0.4 grams/cm³. Switching to centimeters, 6" = 15 cm; 15 cm X 0.4 g/cm³ = 6.1 g/cm², which is column of water 6.1 cm high, and now we have a stipulation that is in a mass unit. In English units it is column of water about 2.5" of water that needs to be between the vehicle and tundra.

To me this is not even an absolute minimum, and I question whether it is enough. So frankly, I would want to see at least **3" column of water equivalent** above the tussock tops, since average tussock relief is often >15 cm.

For normal snow densities we often encounter, that would be a rule that looks like this: 10" of snow, density of 0.3 grams/cm³ (since we are working in English units, then it would be 10" of snow at a specific gravity of 0.3. If the snow was only a specific gravity of 0.2, then we would need 15" of snow; if it was 0.1, then 30" of snow; if it was 0.5, then we can get away with 6"

The 3" water column rule	
Snow Specific Gravity	Needed Snow Depth (inches)
0.05	60
0.1	30
0.15	20
0.2	15
0.25	12
0.3	10
0.35	9
0.4	8
0.45	7
0.5	6

6. One of the pressing problems is that the seismic is supposed to start in December....but both depth and density tend to increase with time across the winter. My experience is that meeting the 3" water column rule, or even the 2.5" could be difficult that time of year.
7. In fact, while 2018 appears to be all-time record snow for much of the North Slope, Frank (USGS) and Eric (BLM) hit a lot of areas where there was only marginal snow for snowmobiling this April. More typical may be (see attached pictures) conditions we encountered in April 2017....which would fail to pass virtually any opening criteria....thereby precipitating some sort of political crisis I suspect. This is why I would strongly urge the approach to be one that uses airborne photogrammetric snow depth mapping to guide the exploration. In a "bad" year, this approach might actually allow for work, while a dumber, strict rule approach could well shut things down (until the politicians overrule).
8. As discussed by phone, also consider whether there needs to be a "percentage snow cover" criteria for when an area needs to be vacated. I include a slide show of the melt near Ivotuk....you can see that large areas of snow might meet a depth (or even water column) criteria yet overall the area is has patched out due to the melt too much. It is pretty easy to assess the percent snow cover that would drive such a stipulation.

Matthew

On 7/6/18 11:31 AM, Wendy Loya wrote:

Matthew..

PLEASE DO NOT DISTRIBUTE FURTHER- Draft for soliciting your expertise only. Final document may be significantly different based off input from all cooperating agencies, including the State of Alaska and BLM.

This is a marked up version of the NPRA best management practice for winter tundra travel. There is no snow depth, much less SWE, defined. However, based off our conversation, perhaps this is adequate for leaving space for us to work out the appropriate SWE as we go. Very draft ideas in red, other edits we might make in yellow.

Winter tundra travel and seismic work

C-2 Best Management Practice

Objective: Protect stream banks, minimize compaction of soils, and minimize the breakage, abrasion, compaction, or displacement of vegetation.

Requirement/Standard:

a. Ground operations shall be allowed only when frost and snow cover are at sufficient depths to protect the tundra. Soils should be frozen at least 12 inches below the lowest surface height (e.g. intertussock space). Snow depth should be no less than 6 inches on the coastal plain (below elev XX) and 9 inches in the foothills (above elev XX) at a Snow Density of at least 0.4 g/XX. Ground operations shall cease when the spring snowmelt begins when snow depth and density no longer meet criteria established at the time of permitting. The exact dates will be determined by the authorized officer in consultation with the US Fish and Wildlife Service, (approximately May 5 in the foothills area where elevations reach or exceed 500 feet and approximately May 15 in the northern coastal areas).

b. Low-ground-pressure vehicles shall be used for on-the-ground activities off ice roads or pads. Low- ground-pressure vehicles shall be selected and operated in a manner that eliminates direct impacts to the tundra by shearing, scraping, or excessively compacting the tundra mat. **Note**: This provision does not include the use of heavy equipment such as front-end loaders and similar equipment required during ice road construction.

c. Bulldozing of tundra mat and vegetation to create trails or seismic lines is prohibited. Clearing of drifted snow is allowed on existing snow trails, snow pads for camps, ice roads, or ice pads to the extent that the tundra mat is not disturbed.

d. To reduce the possibility of ruts, vehicles shall avoid using the same trails for multiple trips unless necessitated by serious safety or superseding environmental concern. This provision does not apply to hardened snow trails for use by low-ground-pressure vehicles such as Rolligons.

e. The location of ice roads shall be designed and located to minimize compaction of soils and the breakage, abrasion, compaction, or displacement of vegetation. Offsets

may be required to avoid using the same route or track in the subsequent year.
f. ~~Motorized ground-vehicle use within the Colville River Special Area associated with overland moves, seismic work, and any similar use of heavy equipment shall be minimized within an area that extends 1 mile west or northwest of the bluffs of the Colville River, and 2 miles on either side of the Kogosukruk and Kikiakrorak rivers and tributaries of the Kogosukruk River from April 15 through August 5, with the exception that use will be minimized in the vicinity of gyrfalcon nests beginning March 15. Such use will remain 0.5 mile away from known raptor nesting sites, unless authorized by the authorized officer.~~

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

--

Dr. Matthew Sturm

Geophysical Institute

University of Alaska-Fairbanks

907-474-5257

msturm1@alaska.edu

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

Thanks Wendy!

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

Josh,

USGS will provide bullet points describing their anticipated winter research activities (polar bear den disturbance, tagging by helicopters, climate station/snow monitoring, etc.) by Monday.

Wendy

Dr. Wendy M. Loya,

Arctic Program Coordinator

Office of Science Applications, US Fish and Wildlife Service

Anchorage, Alaska

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907.277.2942 (mobile)

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

Donna,

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

Thanks,

Josh

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

Joshua,

We would want to include the inhouse activities such as river gages and research plots. If they are inside the Coastal Plain Area are they something that the seismic company should be made aware?

Thanks,

Donna

Donna L Wixon

Natural Resource Specialist

BLM Arctic District Office

222 University Ave

Fairbanks, Alaska 99709

907-474-2301 Office

907-474-2386 Fax

dwixon@blm.gov

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

Donna,

Will do. I assume this is for the cumulative effects analysis so you are looking for information similar to what we provided for the DEIS and not Refuge activities such as river gaging and research plots. Is that correct?

Thanks,

Josh

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

Hello Joshua,

Attached is a map of the proposed cumulative area for the seismic EA. Would you please provide information that USFWS has on activities taking place within the area identified; now, in the last 5 years and any projected in the next 5 years?

Sorry for the quick turn around request, but if you could get this information to me Monday that would be very helpful.

Thanks,

Donna

Donna L Wixon

Natural Resource Specialist

BLM Arctic District Office

222 University Ave

Fairbanks, Alaska 99709

907-474-2301 Office

907-474-2386 Fax

dwixon@blm.gov

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Joshua Rose

Acting Oil and Gas Coordinator

Arctic National Wildlife Refuge

101 12th Ave., Rm 236

Fairbanks, AK 99701

phone: (907) 456-0409

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Acting Oil and Gas Coordinator

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Joshua Rose

Acting Oil and Gas Coordinator

Arctic National Wildlife Refuge

101 12th Ave., Rm 236

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

To: Wendy Loya[wendy_loya@fws.gov]
From: Gray, Stephen
Sent: 2018-07-09T18:01:23-04:00
Importance: Normal
Subject: Re: Arctic Snow studies
Received: 2018-07-09T18:01:33-04:00

No worries. I completely understand...
Hope the meeting goes well,
Steve

Stephen T. Gray, Ph.D.
Director
Alaska Climate Adaptation Science Center
DOI/US Geological Survey
Anchorage, AK
Phone: +1-907-301-7830
sgray@usgs.gov

On Mon, Jul 9, 2018 at 1:57 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Apologies, when I read your email earlier I interpreted it as 2pm today. Paul should be back tomorrow.
Sorry!

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 Jul 9, 2018, at 13:40, Gray, Stephen <sgray@usgs.gov> wrote:

Call was scheduled for tomorrow if that helps.
Steve

Stephen T. Gray, Ph.D.
Director
Alaska Climate Adaptation Science Center
DOI/US Geological Survey
Anchorage, AK
Phone: +1-907-301-7830
sgray@usgs.gov

On Mon, Jul 9, 2018 at 1:36 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

I just got a text from Paul and he is not able to make the call today. He will work with you to reschedule. I am in a workshop Mon thru Thursday this week, and can't join today.

Apologies,

Wendy

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

On Jul 9, 2018, at 09:39, Gray, Stephen <sgray@usgs.gov> wrote:

Looks like we are still on for 2:00, unless I hear otherwise by COB today. If it's just Paul on the line, I'll call your office number directly. If it turns out that Karen can join us as well, I'll send out info for a conference line.

Many thanks,
Steve

Stephen T. Gray, Ph.D.
Director
Alaska Climate Adaptation Science Center
DOI/US Geological Survey
Anchorage, AK
Phone: +1-907-301-7830
sgray@usgs.gov

On Mon, Jul 2, 2018 at 11:14 AM, Gray, Stephen <sgray@usgs.gov> wrote:

Great. Let's plan on 2-3:00 for the moment. I'll confirm and get back to you.

Best,
Steve

Stephen T. Gray, Ph.D.
Director
Alaska Climate Adaptation Science Center
DOI/US Geological Survey
Anchorage, AK
Phone: +1-907-301-7830
sgray@usgs.gov

On Mon, Jul 2, 2018 at 1:11 PM, Leonard, Paul <paul_leonard@fws.gov> wrote:

Hi Stephen,
This sounds like a good opportunity.

I'll be available to do a call-in from Fairbanks. I also prefer the 2-4 slot.

Cheers,
Paul

On Mon, Jul 2, 2018 at 10:25 AM, Littell, Jeremy <jlittell@usgs.gov> wrote:

I'm available, with a solid preference for 2-4, but 9-10 could work.
JL

Jeremy S. Littell

USGS Research Ecologist

Lead Research Scientist
DOI Alaska Climate Adaptation Science Center

jlittell@usgs.gov
907.360.9416

Alaska Climate Science Center
[4210 University Drive](#)
[Anchorage, AK 99508](#)

On Mon, Jul 2, 2018 at 9:48 AM, Gray, Stephen <sgray@usgs.gov> wrote:

FWS Folks-
Any chance you'd be free for a call (or in-person meeting for my Anchorage friends) next Tuesday, July 10 to discuss snow-related data needs? Doug Beard (now acting Associate Director for USGS's Land Resources Mission Area) will be in town, and he's very interested in learning about how the AK CASC might support Sec Int priorities. There's a glaring need for more information on snow generally, and the intersection with the 1002 might make this a great theme for us to pursue. If we could have a short, informal and NON-TECHNICAL discussion with Doug on how snow studies fit into Departmental priorities, he might be able to help us overcome some of the new bureaucratic hurdles and/or shake additional funds loose.

Looks like 9:00-10:00 and 2-4:00 are open for Doug and me on 7/10.

Best,
Steve

Stephen T. Gray, Ph.D.
Director
Alaska Climate Adaptation Science Center
DOI/US Geological Survey
Anchorage, AK
Phone: +1-907-301-7830
sgray@usgs.gov

On Mon, Jun 11, 2018 at 6:58 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Let's do 1030 AK. Thank you for helping make that work. I
will send out a teleconference number by tomorrow morning

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 Jun 11, 2018, at 16:54, Jeremy Littell <jlittell@usgs.gov> wrote:

Our lunch break is scheduled from 12:30-1:30 MT
time and I cannot skip the session right before.
Would 10:30 or so work?
JL

Sent from something with buttons too small for my thumbs

On Jun 11, 2018, at 4:56 PM, Murphy, Karen <karen_a_murphy@fws.gov>
wrote:

That would work for me.

*Karen A Murphy
Science Applications
907-786-3501*

0000013267

karen_a_murphy@fws.gov

On Mon, Jun 11, 2018 at 1:54 PM, Wendy Loya
<wendy_loya@fws.gov> wrote:

Are we able to meet tomorrow by
phone at 10am AK or 12 MT?

Thanks!

wEndy

Dr. Wendy M. Loya,

Arctic Program Coordinator

Office of Science Applications, US
Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.277.2942 (mobile)

From: Stephen Gray
[mailto:sgray@usgs.gov]

Sent: Wednesday, June 6, 2018 7:27 AM

To: Littell, Jeremy <jlittell@usgs.gov>

Cc: Wendy Loya <wendy_loya@fws.gov>; Karen Murphy
<karen_a_murphy@fws.gov>; Paul
Leonard <paul_leonard@fws.gov>

Subject: Re: Arctic Snow studies

Would Tuesday work better? Jeremy and I will both be in Montana by
that point. We're having issues

0000013268

accessing the agenda for the meeting we'll be attending, but I predict we'd have breaks around 8:30 and 10:00 AKDT.

Steve

Sent from my iPhone

On Jun 5, 2018, at 8:02 PM, Littell, Jeremy <jlittell@usgs.gov> wrote:

I don't yet know what my schedule looks like - I'll be in Montana working with a colleague that day. Ideally, earlier in the day would be better, but due to the time difference it won't be all that early there even if it is here in AK.

Jeremy

Jeremy S. Littell

USGS Research
Ecologist

Lead Research Scientist

DOI Alaska Climate
Adaptation Science
Center

jlittell@usgs.gov

907.360.9416

Alaska Climate Science
Center

4210 University Drive

Anchorage, AK 99508

On Tue, Jun 5, 2018 at
10:44 AM, Wendy Loya
<wendy_loya@fws.gov
> wrote:

Monday would be great.
If you can suggest a time
that works for you and
Jeremy, Paul and I can
make it work.

Dr. Wendy M. Loya,

Arctic Program
Coordinator

Office of Science
Applications, US Fish
and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.277.2942 (mobile)

From: Stephen Gray
[mailto:sgray@usgs.gov]

Sent: Tuesday, June 5, 2018 10:40 AM

0000013270

To: Wendy Loya <wendy_loya@fws.gov>
Cc: Jeremy Littell <jlittell@usgs.gov>; Karen Murphy
<karen_a_murphy@fws.gov>; Leonard, Paul
<paul_leonard@fws.gov>

Subject: Re: Arctic Snow studies

Sounds very interesting. Checks numerous boxes on this end.

Would Monday be too late to connect? I'm supposed to be on leave through the weekend, but could sneak away if we're really pressed for time.

Best,

Steve

Sent from my iPhone

On Jun 5, 2018, at 10:30 AM, Wendy Loya
<wendy_loya@fws.gov>
> wrote:

Hi Steve
and
Jeremy,

The Arctic
LCC (now
the Arctic
Program)
is looking
for
partners to
help with
snow
studies,

monitoring
and
modeling
for the
Arctic
Refuge
Coastal
Plain (i.e.
1002 area)
and wanted
to touch
base on
any work
that the
Climate
Science
Center
may have
in
progress.
We have
been
working
informally
with
Matthew
Sturm at
UAF
Geophysic
al Institute
who did
some field
work and
Structure
for Motion
imagery
this past
April.
Moving
forward,
we have
the
following
objectives:

1) to
examine the
existing
data on
snow
distribution
and density
and
methods for
monitoring
snow on the
Arctic
coastal
plain of
Alaska via
remote
sensing and
in-situ
methods;

2) to
identify
snow
monitoring
needs and
techniques
for this
region to
guide
manageme
nt decisions
related to
oil and gas
exploration
and
developme
nt;

3) further
down the
road, we
would be
interested
in coupling
snow and
hydrologic
monitoring
in selected

river basins
to delineate
changing
trends that
might
impact fish
populations
and habitat
for nesting
waterbirds.

The
timeline on
the first two
is tight, as
we we have
an
application
for winter
seismic
exploration.

We have
funding to
contribute
to this
project, but
are looking
ways to
work with
Matthew
and others
on meeting
our
objectives.

With that
introduction,
perhaps
we could
find time to
talk about
any work
you all have
that might

be related
or planned,
and
potential
pathways
for
collaboratio
n?

Thank you,

Wendy

Dr.
Wendy M.
Loya,
Coordinat
or

Office of
Science
Applicatio
ns -Arctic
Program

US Fish
and
Wildlife
Service

Anchorag
e, Alaska

907.786.3
532
(office)

907.277.2
942
(mobile)

--

Paul Leonard, PhD
Science Coordinator

Arctic LCC

101 12th Ave. Room 216

Fairbanks, AK 99701

(907) 456-0445

To: Karen_A_Murphy[Karen_A_Murphy@fws.gov]
Cc: angela_matz@fws.gov[angela_matz@fws.gov]
From: Wendy Loya
Sent: 2018-07-24T17:46:51-04:00
Importance: Normal
Subject: Fwd: draft SOW for USGS IAA for 1002 baseline contaminants
Received: 2018-07-24T17:47:01-04:00
[ATT00001.htm](#)
[DRAFT_SOW_IAA_FWS_USGS_1002_BASELINE_CONTAM.doc](#)

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

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

Begin forwarded message:

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

Hi Wendy and Diane,

Thanks again for the great conversation the other day. Attached is a draft statement of work for an IAA to USGS which would allow us to begin on the baseline contaminants sampling.

The total amount of the IAA is estimated at \$90, which is simply 45% of \$200K. Using the approach outlined (an IAA with internal FWS funding versus QRP/SSP), we pay a third overhead.

This amount of money covers basic analytes (metals and aliphatic and aromatic hydrocarbons) in approximately 40 samples of water, sediments, soil, or vegetation. .

I have to stress that this is about as low as we can go and still say anything meaningful; and it would be better to have an increased amount for analyses. With salary and travel staying the same and total overhead increasing, a total amount of \$130 (65% of our original \$200K proposal without fish), would allow us to measure additional analytes of regulatory importance, like BTEX, in a larger number of samples.

We have, however, structured it as a five-year agreement with option periods, so that if additional money is found the agreement would be in place and we could modify it.

As you requested, this initial SOW does not include collection or analysis of any fish.

Please work directly with Dave Alvarez to finalize the agreement, as I'll be on holiday and not reachable starting tomorrow through Aug. 5. He's cc'd on this email and can provide details (or corrections!) for anything I've said above.

Thanks again!

Angela

--

Note new contact info

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

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

YAY!!! have fun!

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

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

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

Begin forwarded message:

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

Hi Wendy and Diane,

Thanks again for the great conversation the other day. Attached is a draft statement of work for an IAA to USGS which would allow us to begin on the baseline contaminants sampling.

The total amount of the IAA is estimated at \$90, which is simply 45% of \$200K. Using the approach outlined (an IAA with internal FWS funding versus QRP/SSP), we pay a third overhead.

This amount of money covers basic analytes (metals and aliphatic and aromatic hydrocarbons) in approximately 40 samples of water, sediments, soil, or vegetation. .

I have to stress that this is about as low as we can go and still say anything meaningful; and it would be better to have an increased amount for analyses. With salary and travel staying the same and total overhead increasing, a total amount of \$130 (65% of our original \$200K proposal without fish), would allow us to measure additional analytes of regulatory importance, like BTEX, in a larger number of samples.

We have, however, structured it as a five-year agreement with option periods, so that if additional money is found the agreement would be in place and we could modify it.

As you requested, this initial SOW does not include collection or analysis of any fish.

Please work directly with Dave Alvarez to finalize the agreement, as I'll be on holiday and not

reachable starting tomorrow through Aug. 5. He's cc'd on this email and can provide details (or corrections!) for anything I've said above.

Thanks again!

Angela

--

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

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

--

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

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

To: Wendy Loya[wendy_loya@fws.gov]
From: Leonard, Paul
Sent: 2018-08-13T16:10:45-04:00
Importance: Normal
Subject: Fwd: Requesting FWS Signatures IAA - L18PG00189 - Snow Depth & Monitoring
Received: 2018-08-13T16:11:22-04:00
[G14 L18PG00189_1681-3_Unsigned.doc](#)
[G14 L18PG00189_Terms and Conditions_Unsigned.docx](#)
[G17 L18PG00189_Statement of Work.docx](#)

Incoming - IAA docs from BLM for snow-monitoring and workshop
5 Yr totaling 428k.

We should probably briefly chat about this today.

Cheers,
Paul

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

From: Maldonado, Kristina (Nicole) <kmaldona@blm.gov>
Date: Mon, Aug 13, 2018 at 11:03 AM
Subject: Requesting FWS Signatures IAA - L18PG00189 - Snow Depth & Monitoring
To: Tina Racy <tina_racy@fws.gov>
Cc: Paul Leonard <paul_leonard@fws.gov>, Debora Nigro <dnigro@blm.gov>

Good afternoon Tina,
Attached are the 1681-3 and Terms & Conditions for Interagency Agreement (IAA) **L18PG00189** for snow depth and monitoring on the Arctic coastal plain.

Please complete the forms and ensure they receive the appropriate signatures. Please return a copy of each to me by email and a fully executed copy will be returned to you for your records.

Please let me know if you have any questions. Thank you!

Kindest regards,

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

--

Paul Leonard, PhD
Science Coordinator
[Arctic LCC](#)

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

To: Wendy Loya[Wendy_loya@fws.gov]
From: Peter Butteri
Sent: 2018-06-19T14:51:58-04:00
Importance: Normal
Subject: Fwd: Coastal Plain EIS WBS - LXSSL0120000
Received: 2018-06-19T14:52:19-04:00

BLM established a charge code for tracking EIS expenses. Is there a code I should be using for FWS?

Peter Butteri
Fire Planning Specialist
USFWS Region 7/ BLM Alaska Fire Service

(w) 907-356-5874
(c) 907 350 4782

"Planning is an unnatural process; it is much more fun to do something. The nicest thing about not planning is that failure comes as a complete surprise, rather than being preceded by a period of worry and depression." --Sir John Harvey-Jones

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

From: Larson, Angelia <alarson@blm.gov>
Date: Thu, Jun 7, 2018 at 9:04 AM
Subject: Coastal Plain EIS WBS - LXSSL0120000
To: BLM_AK_ALL_EMPLOYEES <blm_ak_all_employees@blm.gov>

Hello -

The BLM Alaska State Office has established an internal WBS for tracking expenses related to the Coastal Plain Oil and Gas Leasing Program **EIS**. This code is **NOT** for any other activities or projects and is intended to track expenses pertaining to the Leasing EIS. A separate code will be forthcoming for the Coastal Plain Geophysical EA activities.

Please use the WBS code: **LXSSL0120000**
Fund Center : LLAk* (* your default fund center)
Sub-Activity: Your base default (i.e. L131000.DP0000)
Fund: 18X

Program Elements are:
Complete Land Use Plan Scoping Report/Planning Criteria: **DO**

Prepare Draft Land Use plans	DP
Prepare Proposed LUP/Final EIS	DQ
Resolve Protest/Prepare Record of Decision	DR

if people are working on scoping they would use **DO**. When that task transitions into working on the draft then they would use **DP**. Here are the four most likely PEs needed in the short term:

Other PE codes may apply. Please check with your budget contact.

This code is **not tied to any funding**, it is only to track expense related activities.

Please let Nicole Hayes, Carol Akerelrea or myself know if you have questions.

Thanks!

--

Angie Larson | State Budget Officer

Phone: 907.271.3195 | Fax: 907.271.4596 | alarson@blm.gov

Bureau of Land Management | Alaska State Office | State Director's Office

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

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

Thank you Jennifer. I'll pass this on to Tom Bickaaskas also.

On Wed, Jul 11, 2018 at 10:30 AM, Reed, Jennifer <jennifer_reed@fws.gov> wrote:

Dear Randy,

In response to your request for the annual visitation numbers for the Arctic Refuge, please find attached the Excel sheet (*Commercial Use Reporting Coastal Plain Recreation 2013-17.xlsx*), which contains visitation data the Refuge can provide about the minimum number of client use days within the Coastal Plain within Arctic Refuge 2013-2017. For the purposes of clarity, let me specify that by FWS guidance, 1 visitor represents 1 person who visits the refuge on 1 day (and hence, 5 visitors might represent 1 person who visits the refuge on 5 individual days, or 5 people who each visit the refuge 1 day). This is why we report the visitor data by the unit of "client use day" rather than by numbers of visitors.

In general over the last five years, a minimum of 11,333 client use days occurred in the Coastal Plain; and visitors engaged predominantly in polar bear viewing, river floating, backpacking, basecamping, and hunting. It is generally understood that all visitors engage in numerous wildlife-dependent activities during each visit, including birding and general wildlife watching or photography; fishing and hunting; and interpretation and education.

I mentioned in an email I sent you on July 5, 2018 that the information provided by Nathan Beauchamp is derived from Arctic Refuge's Annual Performance Report submissions, which offer estimated total annual visitation numbers across the entire Arctic Refuge, and include occasional cases where people performing multiple activities (i.e.: both hunting and fishing) would be counted more than once. In contrast to the Refuge's Annual Performance Report submissions, the client use day data in the Excel sheet does not include cases where people performing multiple activities (i.e.: both hunting and fishing) are counted more than once. Rather, by using authorized Coastal Plain operator reports, including polar bear viewing guide operators and voluntary reports of clients' *primary activity only* by most air taxi operators, we have very high confidence in both the total numbers reflecting the minimum numbers of client use days, and in the percentages reflecting the general proportions of use by primary activity type by year (excepting the note below).

Please note that since the reporting of activities of clients for air taxi operators is voluntary and one air taxi operator did not disclose the activities of clients transported to the refuge, some client use days (CUD) remain unassigned by activity category in 2015 (156 CUD), 2016 (65 CUD), and 2017 (96 CUD). These client use days unassigned by activity category are missing from the primary visitor activity category totals (sheet lines 41-44), but are still included in the total use days (sheet line 34), and the "Percentage Other Recreation." calculation (sheet line 46). This explains why lines 41-44 of the attached Excel sheet do not always add to 100%; while sheet lines 46 & 47 do add to 100%.

Please let me know if there is any other way I can be of assistance.

-Jen

Jennifer J. Reed

Arctic National Wildlife Refuge Public Use Manager

101 12th Ave, Rm 236

Fairbanks, AK 99701

Telephone: (907) 455-1835

Fax: (907) 456-0428

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

Make Your Splash!

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

--

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

To: Joseph Keeney[jkeeney@blm.gov]
Cc: Wendy Loya[wendy_loya@fws.gov]; Fox, Joanna[joanna_fox@fws.gov];
mnhayes@blm.gov[mnhayes@blm.gov]; dwixon@blm.gov[dwixon@blm.gov];
slamarr@blm.gov[slamarr@blm.gov]
From: Edward Decleva
Sent: 2018-06-21T11:15:28-04:00
Importance: Normal
Subject: Re: Marsh Creek 3D Environmental Assessment (1002 Area)
Received: 2018-06-21T11:15:49-04:00

Hi Joe,

I'm very sorry, I didn't mean to be pedantic with you. I think my response was meant to inform other recipients since I hadn't been informed of what my role would be for the EIS for oil and gas in the 1002 area. Adding to the confusion was my agency instructing us (USFWS staff) to write an affected environment section for an EA for seismic exploration of the 1002 area. Because the similarities and differences of the two separate NEPA actions were unclear to me, I thought that a meeting might be in order to establish and clarify roles.

Fortunately, in light of yesterday's teleconference hosted by BLM via Chad Ricklefs of EPMSi, I feel that a great deal has been clarified, including communications and roles.

I'm sure we'll talk soon.

Best regards, Ed

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

edward_decleva@fws.gov
907-786-3399

On Fri, Jun 1, 2018 at 2:58 PM Keeney, Joseph <jkeeney@blm.gov> wrote:

Hi Ed,

Do you need permission to speak with me? By chat, I was referring to a more informal phone call and had not recommended a face to face in case this is what you thought I meant. Although BLM is the lead Federal Agency, I wanted to keep in contact with you to coordinate and keep you abreast of matters relating to Section 106 for these undertakings.

You say that your take on G2G is that it shouldn't be conducted separately, which is good as it shows we are on the same page in that regard. Per 36 CFR 800.2(a)(4), Section 106 consultation should be coordinated with other requirements of other statutes, such as NEPA. You were not asked about this as it is the process per the federal regs, which I had assumed you were aware of and did not perceive of any

need to inquire about it with you.

Indeed consultation should be and will be tied into the existing frameworks as much as possible. However, SHPO consultation needs to be initiated and not all potentially interested Tribal and other relevant parties have been invited to consult on Section 106 for both the EIS or EA. This is what I am working on currently and had intended to update you on in said phone call.

Indeed, it would be useful to discuss paleontological resources too. While there is no process law like Section 106 equating to paleontological resources, I agree this is an important resource to consider in both the EIS and EA.

If you wish to involve more people in a larger meeting, that is fine by me although it could get to be unwieldy the more people we have in the mix over 1-2 hours. If we are having program leads involved in this meeting, I will also recommend Donna Wixon, our lead for the Seismic EA. I also cc'ed my supervisor as she might want to be involved.

Heading to the field? My scheduled field work this summer is June 6-13, June 27-July 11, and July 25-August 8. Hopefully we can squeeze in some correspondence after you and I return. I've had many things to attend to today, but I will try to give a call if I can. It sounds like you are pretty busy today anyways, especially if you are heading out for four weeks.

Best,
Joe

On Fri, Jun 1, 2018 at 10:23 AM, Edward Decleva <edward_decleva@fws.gov> wrote:

Hi Joe,

I've been given permission to meet with you.

Unfortunately, I'm tied up most of today and I'm out June 4-29.

Give me a call today if you want to try to talk. Otherwise, please try to schedule something with me for July.

Thank you, Ed

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

edward_decleva@fws.gov
907-786-3399

On Thu, May 31, 2018 at 2:44 PM Keeney, Joseph <jkeeney@blm.gov> wrote:

Hi Ed,

Sometime soon we should chat about the forthcoming EA and the EIS. Are there times that work better than others?

As an update, for the EA I am drafting a letter to initiate SHPO consultation, followed by those for Tribal, local govt, public to consult on Section 106. I am waiting for our anthropologist to return for the latter to try to coordinate Section 106 with 810 consultations.

Regarding the EIS, I can't even send out the consultation letters yet. Despite repeated requests for information, I am in the dark regarding who the appropriate line officer is to sign the consultation letters and direct requests for G2G consultation to. I have been in touch with Nicole Hayes (project coordinator) and she is not sure. I spoke with Sarah Meitl and have been in touch with our BLM liaison at the ACHP, but for now there is no official consultation initiated for Section 106.

Best,
Joe

--

Joe Keeney
Archaeologist
BLM Arctic District Office
222 University Avenue
Fairbanks, Alaska 99709
907-474-2312
jkeeney@blm.gov

--

Joe Keeney
Archaeologist
BLM Arctic District Office
222 University Avenue
Fairbanks, Alaska 99709
907-474-2312
jkeeney@blm.gov

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

Hi Wendy,
Thanks for the opportunity to submit a full proposal. We'll get it to you by 8/16.

Thanks,
Todd and Ryan

On Tue, Jul 10, 2018 at 9:36 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Dear Ryan and Todd,

The FWS would like to see a full proposal for the Polar Bear Population Monitoring project you described in your pre-proposal. Below are questions from one reviewer that should be considered.

The deadline for full proposals to FWS is August 16th so that our 1002 team can review prior to submission to USGS by August 31st.

2. Development of a Population Monitoring Plan for the Southern Beaufort Sea Polar Bear Subpopulation.

- Please describe the recent analytical advances in demographic analyses that will be used to overcome issues associated with former methods (e.g., mark-recapture, genetic analyses).
- Please describe how the requested funding amount (\$50,000) will be used in FY19.
- How do the authors intend to ensure that any new methods developed to effectively monitor the southern Beaufort Sea Polar Bear Population will be embraced by all state, federal provincial agencies as well as Native Peoples in Alaska and Canada?
- Will methods proposed for this subpopulation be applied to other subpopulations of polar bears?
- Does any pertinent monitoring information already appear in the recovery plan?

- How have we been attempting to monitor this population in the past? With no plan or guidance?

Dr. Wendy M. Loya,

Arctic Program Coordinator

Office of Science Applications, US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.277.2942 (mobile)

To: Stephen Gray[sgray@usgs.gov]
Cc: Murphy, Karen[karen_a_murphy@fws.gov]; Wendy Loya[wendy_loya@fws.gov]; Littell, Jeremy[jlittell@usgs.gov]
From: Leonard, Paul
Sent: 2018-07-10T13:26:20-04:00
Importance: Normal
Subject: Re: Arctic Snow studies
Received: 2018-07-10T13:27:00-04:00

Sounds Great.
Thanks.

Cheers,
Paul

On Tue, Jul 10, 2018 at 6:52 AM, Stephen Gray <sgray@usgs.gov> wrote:

Welcome back! If it's just you and Paul, I should be able to conference you in from my office phone.

Paul and Karen- I'll dial your offices at 2:00, unless I hear otherwise.

Many thanks,
Steve

Sent from my iPhone

On Jul 10, 2018, at 6:44 AM, Murphy, Karen <karen_a_murphy@fws.gov> wrote:

I can join in at 2:00pm today. Do you already have a call-in number set up?

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

On Mon, Jul 9, 2018 at 1:57 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Apologies, when I read your email earlier I interpreted it as 2pm today. Paul should be back tomorrow.
Sorry!

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 Jul 9, 2018, at 13:40, Gray, Stephen <sgray@usgs.gov> wrote:

Call was scheduled for tomorrow if that helps.
Steve

Stephen T. Gray, Ph.D.
Director
Alaska Climate Adaptation Science Center
DOI/US Geological Survey
Anchorage, AK
Phone: +1-907-301-7830
sgray@usgs.gov

On Mon, Jul 9, 2018 at 1:36 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

I just got a text from Paul and he is not able to make the call today. He will work with you to reschedule. I am in a workshop Mon thru Thursday this week, and can't join today.
Apologies,
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 Jul 9, 2018, at 09:39, Gray, Stephen <sgray@usgs.gov> wrote:

Looks like we are still on for 2:00, unless I hear otherwise by COB today. If it's just Paul on the line, I'll call your office number directly. If it turns out that Karen can join us as well, I'll send out info for a conference line.
Many thanks,
Steve

Stephen T. Gray, Ph.D.
Director
Alaska Climate Adaptation Science Center
DOI/US Geological Survey
Anchorage, AK
Phone: +1-907-301-7830

sgray@usgs.gov

On Mon, Jul 2, 2018 at 11:14 AM, Gray, Stephen <sgray@usgs.gov> wrote:

Great. Let's plan on 2-3:00 for the moment. I'll confirm and get back to you.

Best,
Steve

Stephen T. Gray, Ph.D.
Director
Alaska Climate Adaptation Science Center
DOI/US Geological Survey
Anchorage, AK
Phone: +1-907-301-7830
sgray@usgs.gov

On Mon, Jul 2, 2018 at 1:11 PM, Leonard, Paul <paul_leonard@fws.gov> wrote:

Hi Stephen,
This sounds like a good opportunity.

I'll be available to do a call-in from Fairbanks. I also prefer the 2-4 slot.

Cheers,
Paul

On Mon, Jul 2, 2018 at 10:25 AM, Littell, Jeremy <jlittell@usgs.gov> wrote:

I'm available, with a solid preference for 2-4, but 9-10 could work.
JL

Jeremy S. Littell

USGS Research Ecologist

Lead Research Scientist
DOI Alaska Climate Adaptation Science Center

jlittell@usgs.gov
907.360.9416

Alaska Climate Science Center

4210 University Drive
Anchorage, AK 99508

On Mon, Jul 2, 2018 at 9:48 AM, Gray, Stephen <sgray@usgs.gov> wrote:

FWS Folks-

Any chance you'd be free for a call (or in-person meeting for my Anchorage friends) next Tuesday, July 10 to discuss snow-related data needs? Doug Beard (now acting Associate Director for USGS's Land Resources Mission Area) will be in town, and he's very interested in learning about how the AK CASC might support Sec Int priorities. There's a glaring need for more information on snow generally, and the intersection with the 1002 might make this a great theme for us to pursue. If we could have a short, informal and NON-TECHNICAL discussion with Doug on how snow studies fit into Departmental priorities, he might be able to help us overcome some of the new bureaucratic hurdles and/or shake additional funds loose.

Looks like 9:00-10:00 and 2-4:00 are open for Doug and me on 7/10.

Best,
Steve

Stephen T. Gray, Ph.D.
Director
Alaska Climate Adaptation Science Center
DOI/US Geological Survey
Anchorage, AK
Phone: +1-907-301-7830
sgray@usgs.gov

On Mon, Jun 11, 2018 at 6:58 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Let's do 1030 AK. Thank you for helping make that work. I will send out a teleconference number by tomorrow morning

Dr. Wendy M. Loya, Coordinator

Office of Science Applications- Arctic Program
Anchorage, Alaska
907.786.3532 (office)
907.227.2942 (mobile)

On Jun 11, 2018, at 16:54, Jeremy Littell <jlittell@usgs.gov> wrote:

Our lunch break is scheduled from
12:30-1:30 MT time and I cannot
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Sent from something with buttons too small for my thumbs

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<karen_a_murphy@fws.gov> wrote:

That would work for
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Karen A Murphy
Science Applications
907-786-3501
karen_a_murphy@fws.gov

On Mon, Jun 11, 2018 at 1:54 PM, Wendy Loya
<wendy_loya@fws.gov>
> wrote:

Are we able to meet
tomorrow by phone at
10am AK or 12 MT?

Thanks!

wEndy

Dr. Wendy M. Loya,

Arctic Program
Coordinator

Office of Science
Applications, US Fish
and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.277.2942 (mobile)

From: Stephen Gray
[mailto:sgray@usgs.gov]

Sent: Wednesday, June 6, 2018 7:27 AM

To: Littell, Jeremy <jlittell@usgs.gov>

Cc: Wendy Loya <wendy_loya@fws.gov>; Karen Murphy
<karen_a_murphy@fws.gov>; Paul Leonard
<paul_leonard@fws.gov>

Subject: Re: Arctic Snow studies

Would Tuesday work better? Jeremy and I will both be in Montana by that point. We're having issues accessing the agenda for the meeting we'll be attending, but I predict we'd have breaks around 8:30 and 10:00 AKDT.

Steve

Sent from my iPhone

On Jun 5, 2018, at 8:02 PM, Littell, Jeremy <jlittell@usgs.gov> wrote:

I don't yet
know what
my
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I'll be in
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Ideally,
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AK.

Jeremy

Jeremy S.
Littell

USGS
Research
Ecologist

Lead
Research
Scientist

DOI
Alaska

Climate
Adaptation
Science
Center

jlittell@us
gs.gov

907.360.94
16

Alaska
Climate
Science
Center

4210
University
Drive

Anchorage
, AK
99508

On Tue,
Jun 5,
2018 at
10:44 AM,
Wendy
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<wendy_lo
ya@fws.go
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Dr.
Wendy M.
Loya,

Arctic
Program
Coordinator

Office of
Science
Applications, US
Fish and
Wildlife
Service

Anchorage,
Alaska

907.786.3
532
(office)

907.277.2
942
(mobile)

From:
Stephen
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[mailto:sggray@usgs.gov]

Sent: Tuesday, June 5, 2018 10:40 AM
To: Wendy Loya <wendy_loya@fws.gov>

Cc: Jeremy Littell <jlittell@usgs.gov>; Karen Murphy

<karen_a_murphy@fws.gov>;
Leonard,
Paul
<paul_leonard@fws.gov>

Subject: Re: Arctic Snow studies

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With that introduction, perhaps we could find time to talk about any work you all have that might be related or planned, and potential pathways for collaboration?

Thank you,

Wendy

Dr. Wendy M. Loya, Coordinator

Office of Science Applications -Arctic Program

US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.277.2942 (mobile)

--

Paul Leonard, PhD

Science Coordinator

Arctic LCC

101 12th Ave. Room 216

Fairbanks, AK 99701

(907) 456-0445

--

Paul Leonard, PhD

Science Coordinator

Arctic LCC

101 12th Ave. Room 216

Fairbanks, AK 99701

(907) 456-0445

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

Hi Wendy,

I've been trying to contact Stephen Arthur over the past couple of weeks, I'd like to talk to him regarding the Coastal Plain Seismic EA, specifically the impact analysis section for mammals. Do you know how I can contact Stephen.

Thanks

Tim Vosburgh

Arctic District BLM
Wildlife Biologist
907 474-2314

To: Wendy Loya[wendy_loya@fws.gov]
Cc: Nichelle Jones[njones@blm.gov]
From: Sarah LaMarr
Sent: 2018-06-27T15:05:12-04:00
Importance: Normal
Subject: Re: File request for Seismic info
Received: 2018-06-27T15:05:36-04:00
SAE Responses to BLM Questions-Final-Clean2.docx

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, Jun 27, 2018 at 10:34 AM Wendy Loya <wendy_loya@fws.gov> wrote:

Hi Sarah,

I am hoping you can send the SAE files, particularly the powerpoint, today. I will provide those to the Arctic Refuge Manager, deputy and Oil and gas program coordinator but they will not be distributed to all staff.

Thank you,

Wendy

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

To: Wendy Loya[wendy_loya@fws.gov]
Cc: Nichelle Jones[njones@blm.gov]
From: Sarah LaMarr
Sent: 2018-06-27T16:34:38-04:00
Importance: Normal
Subject: Re: File request for Seismic info
Received: 2018-06-27T16:35:37-04:00

I'll remove it now.
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, Jun 27, 2018 at 12:30 PM Wendy Loya <wendy_loya@fws.gov> wrote:

FYI, you can remove the file from google now that I have downloaded it. It is stored here on a secure drive at FWS requiring my permission to access or share.

Dr. Wendy M. Loya,

Arctic Program Coordinator

Office of Science Applications, US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.277.2942 (mobile)

From: Jones, Nichelle (Shelly) <njones@blm.gov>
Sent: Wednesday, June 27, 2018 12:24 PM
To: Wendy Loya <wendy_loya@fws.gov>
Cc: Sarah LaMarr <slamarr@blm.gov>
Subject: Re: File request for Seismic info

I feel like we need to let Ted know before we use google docs to transmit documents on this project. I think they specifically told us to avoid it for our NEPA docs. Also,

don't forget some of our BLM ASO people can access our BLM share drive, so they can pull things in Anchorage to print or put on a jump drive that Wendy can pick up in Anchorage. Ted, Nolan, Serena, Rob, Wayne, Alan, Randy, and Eric all have access.

I know this is a pain to manage through email for large documents, but I don't want to get crosswise right out of the chute.

-Shelly

Shelly Jones

Acting Manager

Arctic District Office

222 University Avenue

Fairbanks, AK 99709

(907) 474-2310 (w)

(907) 460-0086 (c)

On Wed, Jun 27, 2018 at 11:52 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Thank you, got this and the presentation.

Dr. Wendy M. Loya,

Arctic Program Coordinator

Office of Science Applications, US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.277.2942 (mobile)

From: Sarah LaMarr <slamarr@blm.gov>
Sent: Wednesday, June 27, 2018 11:05 AM
To: Wendy Loya <wendy_loya@fws.gov>
Cc: Nichelle Jones <njones@blm.gov>
Subject: Re: File request for Seismic info

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, Jun 27, 2018 at 10:34 AM Wendy Loya <wendy_loya@fws.gov> wrote:

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Thank you,

Wendy

Dr. Wendy M. Loya,

Arctic Program Coordinator

Office of Science Applications, US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.277.2942 (mobile)

To: Wendy Loya[wendy_loya@fws.gov]
Cc: Grant Hilderbrand[ghilderbrand@usgs.gov]; John Pearce[jpearce@usgs.gov]; Jeff Conaway[jconaway@usgs.gov]; Aimee Devaris[adevaris@usgs.gov]; Durelle Smith[dpsmith@usgs.gov]
From: Zimmerman, Christian
Sent: 2018-06-22T15:45:56-04:00
Importance: Normal
Subject: FY2019 Alaska Science Center SSP/QRP Pre-proposals
Received: 2018-06-22T15:46:09-04:00
[FY2019 PreProposal Birdhabitat 20180621.pdf](#)
[FY2019 PreProposal CaribouCollarData 20180620.pdf](#)
[FY2019 PreProposal CaribouForage 20180620.pdf](#)
[FY2019 PreProposal PolarBearDenDisturbance 20180620.pdf](#)
[FY2019 PreProposal PolarBearMonitoring 20180620.pdf](#)
[FY2019 Preproposal Groundwater 20180622.pdf](#)

Wendy-

The Science Support Partnership (SSP) and Quick Response Program (QRP) are important funding mechanisms that highlight the special relationship between USGS and FWS. Originally established when researchers were transferred from FWS to populate the National Biological Survey in 1993, to alleviate concerns that FWS would lose capability to direct research to important management decisions, the program continues to facilitate USGS research directed at FWS needs. Over the lifetime of this program, the Alaska Science Center has conducted many studies of benefit to both organizations. While we focus all of our research to the needs of our DOI partners, these programs provide a unique opportunity to facilitate direct interaction between management and research.

In response to the FY2019 call for pre-proposals, Alaska Science Center (ASC) has prepared the following six pre-proposals (see attached files). These have been reviewed by the management team at ASC and approved by me for submission for FWS consideration.

Project Title	USGS Lead	FWS Lead
Quantifying groundwater and aufeis and their impact on surface water flows in the Arctic National Wildlife Refuge, Alaska	Koch	Rose
Distribution and abundance of breeding waterbirds in relation to habitat type on the 1002 Area of the Arctic National Wildlife Refuge, Alaska	Amundsun	Frost
Polar Bear den disturbance levels associated with industrial activity in the 1002 area	Atwood	Wilson
Quantifying caribou forage conditions across the calving and post-calving ranges of ANWR and determining their influence on caribou habitat use and neonate calf survival	Johnson	Arthur
Evaluating factors associated with calving and post-calving habitat use of the Porcupine Caribou Herd and their influence on neonate calf survival	Johnson	Arthur
Development of a population monitoring plan for the Southern Beaufort Sea polar bear subpopulation	Atwood	Wilson

Please contact me if you have any questions or if we can provide more information.

Thank you,

Chris

Christian E. Zimmerman
Center Director
USGS Alaska Science Center
4210 University Dr.
Anchorage, AK 99508
(907)786-7071
czimmerman@usgs.gov

To: Stephen Gray[sgray@usgs.gov]
Cc: Murphy, Karen[karen_a_murphy@fws.gov]; Wendy Loya[wendy_loya@fws.gov]; Leonard, Paul[paul_leonard@fws.gov]
From: Littell, Jeremy
Sent: 2018-07-10T18:06:50-04:00
Importance: Normal
Subject: Re: Arctic Snow studies
Received: 2018-07-10T18:07:05-04:00

I did not see a number in the thread, but I've been out.

If one hasn't been sent, let's use **65 - CIP** - that's the AKCASC conference line.

JL

Jeremy S. Littell

USGS Research Ecologist

Lead Research Scientist

DOI Alaska Climate Adaptation Science Center

jlittell@usgs.gov

907.360.9416

Alaska Climate Science Center
4210 University Drive
Anchorage, AK 99508

On Tue, Jul 10, 2018 at 2:02 PM, Stephen Gray <sgray@usgs.gov> wrote:

Ok, we'll call at 2:10. Thanks, Steve
Sent from my iPhone

On Jul 10, 2018, at 1:49 PM, Stephen Gray <sgray@usgs.gov> wrote:

We're running late coming out of the last meeting. Will shoot you a message before we are ready to call in.
Steve

Sent from my iPhone

On Jul 10, 2018, at 6:44 AM, Murphy, Karen <karen_a_murphy@fws.gov> wrote:

I can join in at 2:00pm today. Do you already have a call in number set up?

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

On Mon, Jul 9, 2018 at 1:57 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Apologies, when I read your email earlier I interpreted it as 2pm today. Paul should be back tomorrow.
Sorry!

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 Jul 9, 2018, at 13:40, Gray, Stephen <sgray@usgs.gov> wrote:

Call was scheduled for tomorrow if that helps.
Steve

Stephen T. Gray, Ph.D.
Director
Alaska Climate Adaptation Science Center
DOI/US Geological Survey
Anchorage, AK
Phone: +1-907-301-7830
sgray@usgs.gov

On Mon, Jul 9, 2018 at 1:36 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

I just got a text from Paul and he is not able to make the call today. He will work with you to reschedule. I am in a workshop Mon thru Thursday this week, and can't join today.
Apologies,
Wendy

Dr. Wendy M. Loya, Coordinator
Office of Science Applications- Arctic Program
Anchorage, Alaska

907.786.3532 (office)
907.227.2942 (mobile)

On Jul 9, 2018, at 09:39, Gray, Stephen <sgray@usgs.gov> wrote:

Looks like we are still on for 2:00, unless I hear otherwise by COB today. If it's just Paul on the line, I'll call your office number directly. If it turns out that Karen can join us as well, I'll send out info for a conference line.
Many thanks,
Steve

Stephen T. Gray, Ph.D.
Director
Alaska Climate Adaptation Science Center
DOI/US Geological Survey
Anchorage, AK
Phone: +1-907-301-7830
sgray@usgs.gov

On Mon, Jul 2, 2018 at 11:14 AM, Gray, Stephen <sgray@usgs.gov> wrote:

Great. Let's plan on 2-3:00 for the moment. I'll confirm and get back to you.
Best,
Steve

Stephen T. Gray, Ph.D.
Director
Alaska Climate Adaptation Science Center
DOI/US Geological Survey
Anchorage, AK
Phone: +1-907-301-7830
sgray@usgs.gov

On Mon, Jul 2, 2018 at 1:11 PM, Leonard, Paul
<paul_leonard@fws.gov> wrote:

Hi Stephen,
This sounds like a good opportunity.

I'll be available to do a call-in from Fairbanks. I also prefer the 2-4 slot.

Cheers,
Paul

On Mon, Jul 2, 2018 at 10:25 AM, Littell, Jeremy <jlittell@usgs.gov> wrote:

I'm available, with a solid preference for 2-4, but 9-10 could work.
JL

Jeremy S. Littell

USGS Research Ecologist

Lead Research Scientist
DOI Alaska Climate Adaptation Science Center

jlittell@usgs.gov
907.360.9416

Alaska Climate Science Center
[4210 University Drive](#)
[Anchorage, AK 99508](#)

On Mon, Jul 2, 2018 at 9:48 AM, Gray, Stephen <sgray@usgs.gov> wrote:

FWS Folks-
Any chance you'd be free for a call (or in-person meeting for my Anchorage friends) next Tuesday, July 10 to discuss snow-related data needs? Doug Beard (now acting Associate Director for USGS's Land Resources Mission Area) will be in town, and he's very interested in learning about how the AK CASC might support Sec Int priorities. There's a glaring need for more information on snow generally, and the intersection with the 1002 might

make this a great theme for us to pursue. If we could have a short, informal and NON-TECHNICAL discussion with Doug on how snow studies fit into Departmental priorities, he might be able to help us overcome some of the new bureaucratic hurdles and/or shake additional funds loose.

Looks like 9:00-10:00 and 2-4:00 are open for Doug and me on 7/10.

Best,
Steve

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Anchorage,
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907.786.35
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42
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0000013318

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be in Montana working with a colleague that day.
Ideally, earlier in the day would be better, but due
to the time difference it won't be all that early there
even if it is here in AK.

Jeremy

Jeremy S. Littell

USGS Research Ecologist

Lead Research Scientist

DOI Alaska Climate Adaptation Science Center

jlittell@usgs.gov

907.360.9416

Alaska Climate Science Center

[4210 University Drive](#)

[Anchorage, AK 99508](#)

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<wendy_loya@fws.gov> wrote:

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Dr. Wendy M. Loya,

Arctic Program Coordinator

Office of Science Applications, US Fish and Wildlife
Service

Anchorage, Alaska

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Wendy

Dr. Wendy M. Loya, Coordinator

Office of Science Applications -Arctic
Program

US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.277.2942 (mobile)

--

Paul Leonard, PhD
Science Coordinator

Arctic LCC

101 12th Ave. Room 216

Fairbanks, AK 99701

(907) 456-0445

To: Sarah Conn[sarah_conn@fws.gov]
From: Wendy Loya
Sent: 2018-06-29T18:24:46-04:00
Importance: Normal
Subject: FW: Updated Seismic Timeline and Example Issue Statements
Received: 2018-06-29T18:24:58-04:00
Timeline June 26 2018.docx

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

From: Sarah LaMarr <slamarr@blm.gov>
Sent: Wednesday, June 27, 2018 4:34 PM
To: Wendy Loya <wendy_loya@fws.gov>
Cc: Wixon, Donna <dwixon@blm.gov>
Subject: Updated Seismic Timeline and Example Issue Statements

Hi Wendy - attached is the latest version of the schedule. Like we discussed on Tuesday, here are some example issue statements. The issue statements will narrow and drive what is discussed in the EA so folks need to be clear and concise.

Example Issue Statements: Frame Issues as a Question

1. How would disturbance from seismic exploration impact denning polar bears?
2. What would be the effects of seismic activities on overwintering fish?
3. How would seismic equipment impact stream banks?
4. How would water withdrawal from lakes (or streams?) impact aquatic habitat and overwintering fish?
5. What would be the impacts of overland travel from seismic exploration vehicles on vegetation?
6. What would be the impacts from seismic activities to subsistence users and wildlife species important for subsistence use?

Thanks, sarah

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

To: Wendy Loya[wendy_loya@fws.gov]
Cc: Sarah Conn[sarah_conn@fws.gov]; Joshua Rose[joshua_rose@fws.gov]; Joanna Fox[joanna_fox@fws.gov]; Mary Colligan[mary_colligan@fws.gov]
From: Steve Berendzen
Sent: 2018-06-29T22:56:35-04:00
Importance: Normal
Subject: Re: Seismic EA: Request for issues statements
Received: 2018-06-29T22:56:37-04:00

Thanks, Wendy- and especially thankful to Sarah & Josh for working on this :)

Sent from my iPhone

On Jun 29, 2018, at 3:15 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Sarah, Josh, Joanna and Steve:

The BLM is in the process of formulating the issues statements for the Seismic EA that will guide the analyses in the Environmental Consequences section. I think we all know under the revised NEPA guidelines, we are looking to focus in on the **key issues related to Winter Overland moves and Seismic Work**. Sarah Conn has offered to work with Josh to lead our response, given the extensive experience her team has with reviewing Seismic proposals for the north slope and Josh bringing the knowledge of Refuge Resources, and Steve has given this process his blessing ☺.

Given that we need a response to BLM by July 13th, including input from staff and RDT review, Sarah has suggested that she and Josh create a draft list and that list is then sent to staff for feedback and edits/additions. This should help focus and take less staff time for those now engaging with the IDT team for the Leasing EIS affected environment and alternatives work.

What BLM is looking for:

Example Issue Statements: Frame Issues as a Question

1. How would disturbance from seismic exploration impact denning polar bears?
2. What would be the effects of seismic activities on overwintering fish?
3. How would seismic equipment impact stream banks?
4. How would water withdrawal from lakes (or streams?) impact aquatic habitat and overwintering fish?
5. What would be the impacts of overland travel from seismic exploration vehicles on vegetation?
6. What would be the impacts from seismic activities to subsistence users and wildlife species important for subsistence use?

I have set up a google drive folder with the following items to inform the initial list:

- 1) SAE March Creek Plan of Operations v8
- 2) SAE Responses to BLM Questions (includes questions)
- 3) SAE ANWR Seismic Review presentation from recent SAE-BLM-FWS meeting

4) Draft Seismic Affected Environment we sent to BLM

Thank you,

Let me know if you have any questions,

Wendy

Dr. Wendy M. Loya,

Arctic Program Coordinator

Office of Science Applications, US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.277.2942 (mobile)

To: Drew Crane[drew_crane@fws.gov]
From: Wendy Loya
Sent: 2018-07-05T15:05:37-04:00
Importance: Normal
Subject: FW: 2019 USGS QRP/SSP Pre-proposals for 1002 RDT team selection
Received: 2018-07-05T15:05:52-04:00
[FY2019 PreProposal Birdhabitat 20180621.pdf](#)
[FY2019 PreProposal CaribouCollarData 20180620.pdf](#)
[FY2019 PreProposal CaribouForage 20180620.pdf](#)
[FY2019 PreProposal PolarBearDenDisturbance 20180620.pdf](#)
[FY2019 PreProposal PolarBearMonitoring 20180620.pdf](#)
[FY2019 Preproposal Groundwater 20180622.pdf](#)
[FWS SSP-QRP FY2019 FWS 062518xlsx.xlsx](#)
[FY2019 PreProposal CanningRiverDollyVarden final.pdf](#)
[FY2019 Contaminants SamplingAlvarez.Matz \(002\).pdf](#)

See my excel sheet, welcome feedback at meeting on priorities by timeline or whatever

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

From: Wendy Loya <wendy_loya@fws.gov>
Sent: Monday, June 25, 2018 2:24 PM
To: Mary Colligan <mary_colligan@fws.gov>; Mitch Ellis <mitch_ellis@fws.gov>; Eric Taylor <eric_taylor@fws.gov>; Karen Murphy <karen_a_murphy@fws.gov>; Sara Boario <sara_boario@fws.gov>; Greg Siekaniec <greg_siekaniec@fws.gov>; Karen Clark <karen_clark@fws.gov>
Cc: Charla Sterne <charla_sterne@fws.gov>
Subject: 2019 USGS QRP/SSP Pre-proposals for 1002 RDT team selection

Dear Greg, Karen, Mary, Mitch, Eric, Karen M, Sara,

Greg and Karen, I think this is an FYI more than an action item for you, but keeping you in the loop given short timelines and busy summer schedules.

Attached are 8 pre-proposals prepared jointly by FWS and USGS scientists for consideration for 2019 funding. I am also attaching a spreadsheet where they are listed and have a preliminary ranking with regards to POCs perceived applicability to the most immediate timeline. I would like to have a preliminary discussion on Friday 29th in first part of standing 1002 RDT meeting (9am) and work towards a selection process so we can notify FWS and USGS staff on or about July 6th as to which proposals will move to the full development stage. Final proposals due to USGS Aug 31st. We could fund additional projects above the \$337,000 available, would need to add overhead.

Thank you,
Wendy

Dr. Wendy M. Loya,

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

To: stephanie_brady@fws.gov[stephanie_brady@fws.gov];
john_trawicki@fws.gov[john_trawicki@fws.gov]; todd_hopkins@fws.gov[todd_hopkins@fws.gov]
Cc: wendy_loya@fws.gov[wendy_loya@fws.gov]; Mitch Ellis[mitch_ellis@fws.gov]
From: Socheata Lor
Sent: 2018-06-16T11:52:03-04:00
Importance: Normal
Subject: Fwd: Air Quality and Visual & Noise whitepapers
Received: 2018-06-16T11:52:20-04:00
[ATT00001.htm](#)
[Visual Resources and Noise_AKLNG-6020-REG-YPW-DOC-00006.pdf](#)
[FLAG AQRV_Rev0A_1-17-18.pdf](#)
[ATT00002.htm](#)

Stephanie,
Stephanie,

I see in the string that you were working with Melissa on this. Can you connect with Wendy and provide any insight you might have?

Sent from my iPhone

Begin forwarded message:

From: "Colligan, Mary" <mary_colligan@fws.gov>
Date: June 15, 2018 at 7:46:44 PM AKDT
To: Socheata Lor <socheata_lor@fws.gov>, Mitch Ellis <mitch_ellis@fws.gov>
Subject: Fwd: Air Quality and Visual & Noise whitepapers

This is what I was referring to in my other e-mail.

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

From: **Colligan, Mary** <mary_colligan@fws.gov>
Date: Fri, Feb 16, 2018 at 10:24 AM
Subject: Fwd: Air Quality and Visual & Noise whitepapers
To: Socheata Lor <socheata_lor@fws.gov>
Cc: Melissa Burns <melissa_burns@fws.gov>

Soch - We were just provided these documents and Greg has a briefing with Steve Wackowski on Tuesday. My first question was whether we (FES) had provided air quality or noise comments on this project and I am still trying to figure that out. In the meantime we received these documents which seem like their question is a larger one and one that is more appropriate for Refuges to address. Can you help?

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

From: **Johnson, Philip** <philip_johnson@ios.doi.gov>
Date: Fri, Feb 16, 2018 at 7:49 AM
Subject: Fwd: Air Quality and Visual & Noise whitepapers
To: Herbert Frost <bert_frost@nps.gov>, Greg Siekaniec <greg_siekaniec@fws.gov>,
Karen Mouritsen <kmourits@blm.gov>

Cc: "Cooper, Debora" <Debora_Cooper@nps.gov>, Brooke Merrell
<Brooke_Merrell@nps.gov>, Mary Colligan <mary_colligan@fws.gov>, Melissa
Burns <melissa_burns@fws.gov>, Ted Murphy <t75murph@blm.gov>, Serena
Sweet <ssweet@blm.gov>, Grace Cochon <grace_cochon@ios.doi.gov>

Mr. Wackowski just provided a copy of the second attachment, on Federal Land
Managers and air quality issues. In the interest of time, I am taking the liberty of
copying some additional bureau managers and staff who may need to see this as
soon as possible, in preparation for the 2:00 pm meeting on Tuesday, February
20.

Philip Johnson

Regional Environmental Officer - Alaska
U.S. Department of the Interior
1689 C Street, Suite 119
Anchorage, Alaska 99501-5126

907-271-5011 (Work Phone)
907-227-3783 (Work Cell)
907-271-5930 (Fax)

philip_johnson@ios.doi.gov

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

From: **Wackowski, Stephen** <stephen_wackowski@ios.doi.gov>
Date: Fri, Feb 16, 2018 at 7:17 AM
Subject: Fwd: Air Quality and Visual & Noise whitepapers
To: "Johnson, Philip" <philip_johnson@ios.doi.gov>

here is the other attachment.

Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
[4230 University Drive, Suite 300](#)
[Anchorage, AK 99508](#)
907-271-5485

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

From: **Ed Fogels** <EFogels@agdc.us>
Date: Tue, Feb 13, 2018 at 6:11 PM
Subject: Air Quality and Visual & Noise whitepapers

To: "Wackowski, Stephen" <stephen_wackowski@ios.doi.gov>

Steve—at our meeting last week, I also said I would send you the two whitepapers we developed: 1) Federal Land Manager's overreach on air permitting, and 2) our issues with federal agency comments on noise and visual impacts.

Ed

Ed Fogels | Environmental , Regulatory, and Lands Manager | Alaska Gasline
Development Corporation | T (907) 330-6359 | C (907) 830-9107 |
efogels@agdc.us

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--

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

--

Mary Colligan

0000013331

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: Ted Murphy[t75murph@blm.gov]
Cc: Gregory Siekaniec[greg_siekaniec@fws.gov]
From: Colligan, Mary
Sent: 2018-12-17T12:54:06-05:00
Importance: Normal
Subject: Fwd: [EXTERNAL] SAE Marsh Creek ITR petition_rev_5 12.14
Received: 2018-12-17T12:54:33-05:00
[1002 Seismic Program Flow rev 12.14.pptx](#)
[SAE Marsh Creek ITR petition_rev_5 12.14 \(3\).docx](#)

Ted - Greg asked me to forward on the latest project description and related materials from SAE. Some figures and documents are labeled draft and confidential. We are working with SAE now to get them ready for posting for public review so we would appreciate limited distribution of these versions.

Thanks,
Mary

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

From: Lemons, Patrick <patrick_lemons@fws.gov>
Date: Fri, Dec 14, 2018 at 1:41 PM
Subject: Re: [EXTERNAL] SAE Marsh Creek ITR petition_rev_5 12.14
To: Rick Trupp <rtrupp@saexploration.com>
Cc: Forrest Burkholder <fburkholder@saexploration.com>, Colligan, Mary <mary_colligan@fws.gov>, Christopher Putnam <Christopher_Putnam@fws.gov>, Klein, Kimberly <kimberly_klein@fws.gov>, Ryan Wilson <ryan_r_wilson@fws.gov>, Bridget Crokus <bridget_crokus@fws.gov>, Patterson, Heather <heather_patterson@fws.gov>, Joshua Kindred <joshua.kindred@sol.doi.gov>

Hi Forrest and Rick,

We've had several versions of maps and the write-up circulating so I wanted to make sure we're analyzing the right documents. Attached you will find the updated maps that I received from Forrest at 958am this morning. Also, you will find attached the new petition as sent by Rick at 1131am this morning. Please confirm we have the most up to date documents as you intend.

We've identified 2 other clarifying questions so we can make sure we're appropriately analyzing your activities.

- 1). In this most recent petition, there is still language indicating a "historic and cultural resources study". This is found under headings 2.1, 2.2, 2.3, 3.0 etc. However, it's our understanding from previous conversations that you are not proposing to do these studies any longer. If that is true can you confirm it here and then we will not include it in our analyses? If you are planning to conduct these studies, please let us know so we can include them.
- 2). In addition to the information Rick provided above concerning demobilization from Block 6 to Kaktovik in year 1, we also need to know how you plan to demobilize from Block 5 in year 2. Your description could be similar to what you provided in the previous email.

Finally, our team is going to be working through the weekend in hopes of finalizing our work by

next week. If we have additional questions, who should we contact over the weekend?

Thanks,
Patrick

On Fri, Dec 14, 2018 at 11:31 AM Rick Trupp <rtrupp@saexploration.com> wrote:

Patrick

Some revisions to the petition based on your comments with Forrest to include:

Dogs will be used on all mobilization routes in either year, either option as needed for access.

On completion of the season, the crew will demobilize along the coast from block 6 to kaktovik in option 2.

If there are more as you review, please let me know.

Rick

--

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

--

Mary Colligan
Assistant Regional Director
Fisheries and Ecological Services
U.S. Fish and Wildlife Service, Alaska Region
1011 E. Tudor Road, MS-361

Anchorage, AK 99503
907-786-3505
cell: 907-223-5945

To: Greg Siekaniec[greg_siekaniec@fws.gov]
Cc: Karen Clark[karen_clark@fws.gov]; Patrick Lemons[patrick_lemons@fws.gov]
From: Colligan, Mary
Sent: 2019-02-13T20:26:22-05:00
Importance: Normal
Subject: Re: [EXTERNAL] SAE ITR Application
Received: 2019-02-13T20:26:41-05:00
Responses to SAE - 190213.docx

Greg - The email was getting kind of clunky, so Patrick and I have inserted responses/answers in the attached. We are happy to communicate this back to Jeff if you want us to do so. The blue text in the attached is ours - the black is their incoming. Thanks

On Wed, Feb 13, 2019 at 9:16 AM Greg Siekaniec <greg_siekaniec@fws.gov> wrote:

I just received this from Jeff a few minutes ago
Greg

Sent from my iPhone

Begin forwarded message:

From: Jeff Hastings <jhastings@saexploration.com>
Date: February 13, 2019 at 1:12:33 PM EST
To: "greg_siekaniec@fws.gov" <greg_siekaniec@fws.gov>
Subject: [EXTERNAL] SAE ITR Application

Good morning Greg. I wanted to provide some input and try to get some clarity as to several points that came up during our conversation with the MMPA staff after everyone went back to work. To be clear we do not know all the stipulations in the ITR that was to have been posted to the register in December. However, based on what we think the stipulations are, are our questions when we had the call with the MMPA staff were specifically around two subjects.

1. The current ITR has a requirement to fly two FLIR surveys.

SAE Q. Is there a need/requirement to fly the survey that late in the year (March 15th was the date we used) after emergence has begun and if so will this be allowed under the current ITR or did there need to be changes to the dates.

USFW A. We would need to run the analysis again.

USFW Q. Do you want us to reassign staff to do that.

SAE A. Yes

The answer from the analysis came back that any FLIR flown after January 15th could result in multiple Level A takes and that a mid-March FLIR could be as many as 2 to 3 Level A takes. Based on our work for the last several months developing mitigations both temporally and spatially to protect the maternal bears and cubs that this new analysis could not provide a path to a FONSI.

We still have questions about what data was used to make the finding on the late season FLIR, as everything else we have used as data point to get to the program we had in the ITR was based on published peer reviewed papers. We are also looking to clarify the January 15th date and the reasons and data points around that determination. There have been many FLIR surveys flown after that date including the USFW survey in ANWR in 2018.

The other question is based on the year end program that we were talking about, is much smaller, 300 square miles vs. 1100 square miles in the current ITR, why did the potential Level A takes increase.

2. April 16th date for last emergence.

SAE Q. Please clarify that after April 16th SAE is free to operate as needed and the ITR stipulations other than the 1 mile avoidance of a known bear or den would still be in place

USFW A. That's not what the ITR says and we would still be restricted to the plots on the maps and the days beyond day one we said we were going to operate in those plots.

SAE Q. What do we have to do to change this

USFW A. Change the ITR

Our position here is if we have worked with the stipulations up to a point where the USFW service data says there is no longer a threat beyond April 16th, why are there any restrictions other than those noted in our first question above.

Greg, SAE is still going to seek an ITR and wants to work with the USFW so that the project has no significant impact on the denning bears. To do that we have a couple items we need clarity;

1. Can an ITR be secured this season and if so what is the likely date we could enter the coastal plain
2. Can the ITR be amended such that the spatial restrictions is no longer valid after the April 16th date.
3. If an ITR cannot be secured for this winter year could we change the dates to say May 15th 2019 through May 15th 2021.

We are happy to have a call to discuss.

Regards

Jeff Hastings

Chairman & Chief Executive Officer

SAExploration

Safety. Acquisition. Experience.

1160 Dairy Ashford, Suite 160

Houston, Texas 77079

Mobile: 1-907-229-0150

0000013338

1-250-300-0403

jhastings@saexploration.com

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--

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

0000013339

To: Greg Siekaniec[greg_siekaniec@fws.gov]
Cc: Karen Clark[karen_clark@fws.gov]; Patrick Lemons[patrick_lemons@fws.gov]
From: Mary Colligan
Sent: 2019-02-13T23:10:43-05:00
Importance: Normal
Subject: Re: [EXTERNAL] SAE ITR Application
Received: 2019-02-13T23:10:45-05:00

Sounds good. I am sure the hearing was interesting

Sent from my iPhone

On Feb 13, 2019, at 4:54 PM, Greg Siekaniec <greg_siekaniec@fws.gov> wrote:

Mary,
I want to sit on this for tonight. I just wrapped up our public meeting and will respond back to Jeff that we are working on answering the questions he raised. I think I would like to take him up on his offer to have a conference call. I would like to be part of the call. Earliest is Friday as I'm flying all day tomorrow.

I will send him a note this evening.

Greg

Sent from my iPhone

On Feb 13, 2019, at 8:26 PM, Colligan, Mary <mary_colligan@fws.gov> wrote:

Greg - The email was getting kind of clunky, so Patrick and I have inserted responses/answers in the attached. We are happy to communicate this back to Jeff if you want us to do so. The blue text in the attached is ours - the black is their incoming.
Thanks

On Wed, Feb 13, 2019 at 9:16 AM Greg Siekaniec <greg_siekaniec@fws.gov> wrote:

I just received this from Jeff a few minutes ago
Greg

Sent from my iPhone

Begin forwarded message:

From: Jeff Hastings <jhastings@saexploration.com>
Date: February 13, 2019 at 1:12:33 PM EST
To: "greg_siekaniec@fws.gov" <greg_siekaniec@fws.gov>

Subject: [EXTERNAL] SAE ITR Application

Good morning Greg. I wanted to provide some input and try to get some clarity as to several points that came up during our conversation with the MMPA staff after everyone went back to work. To be clear we do not know all the stipulations in the ITR that was to have been posted to the register in December. However, based on what we think the stipulations are, are our questions when we had the call with the MMPA staff were specifically around two subjects.

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SAE A. Yes

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our work for the last several months developing mitigations both temporally and spatially to protect the maternal bears and cubs that this new analysis could not provide a path to a FONSI.

We still have questions about what data was used to make the finding on the late season FLIR, as everything else we have used as data point to get to the program we had in the ITR was based on published peer reviewed papers. We are also looking to clarify the January 15th date and the reasons and data points around that determination. There have been many FLIR surveys flown after that date including the USFW survey in ANWR in 2018.

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SAE Q. Please clarify that after April 16th SAE is free to operate as needed and the ITR stipulations other than the 1 mile avoidance of a known bear or den would still be in place

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SAE Q. What do we have to
do to change this

USFW A. Change the ITR

Our position here is if we have worked
with the stipulations up to a point where
the USFW service data says there is no
longer a threat beyond April 16th, why
are there any restrictions other than those
noted in our first question above.

Greg, SAE is still going to seek an ITR and wants to
work with the USFW so that the project has no
significant impact on the denning bears. To do that we
have a couple items we need clarity;

1. Can an ITR be secured this season and if so
what is the likely date we could enter the coastal
plain
2. Can the ITR be amended such that the spatial
restrictions is no longer valid after the April 16th
date.
3. If an ITR cannot be secured for this winter year
could we change the dates to say May 15th 2019
through May 15th 2021.

We are happy to have a call to discuss.

Regards

Jeff Hastings

Chairman & Chief Executive Officer

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1160 Dairy Ashford, Suite 160

Houston, Texas 77079

Mobile: 1-907-229-0150

1-250-300-0403

jhastings@saexploration.com

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<image001.jpg>

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--

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

<Responses to SAE - 190213.docx>

To: Wackowski, Stephen[stephen_wackowski@ios.doi.gov]; Andrea Medeiros[andrea_medeiros@fws.gov]
Cc: Gavin Shire[gavin_shire@fws.gov]; Faith Vander Voort[faith_vandervoort@ios.doi.gov]; Lesli Ellis-Wouters[lellis@blm.gov]
From: Boario, Sara
Sent: 2019-02-22T14:57:48-05:00
Importance: Normal
Subject: Re: [EXTERNAL] Fw: Statement/clarification on ANWR seismic?
Received: 2019-02-22T14:58:00-05:00
[twitter-icon Signature Block.jpg](#)
[Facebook_Logo for Email Signature Block.png](#)

Hey Steve -

I was out of the office yesterday, and just getting caught back up -- do you still need help with this? I'll have Andrea take a crack at it.

If you guys ever need anything immediate and don't hear from, make sure to loop Andrea in. She's our media POC.

thanks!

sb

On Thu, Feb 21, 2019 at 9:21 AM Wackowski, Stephen <stephen_wackowski@ios.doi.gov> wrote:

Faith-

Sorry for the delay in getting back to you. I heard from Greg yesterday who has been in discussions with the applicant and it sounds like we are officially kicked into next year.

Greg- Can you confirm?

I think we should put together a blanket statement to cover both BLM and USFWS on this.

Sara- Since USFWS Alaska region has been engaged the most with SAE can you take a first crack at the response/blanket statement? I don't think we need to directly answer his second question.

Best,

Steve

Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
[4230 University Drive, Suite 300](#)
[Anchorage, AK 99508](#)
907-271-5485

On Thu, Feb 21, 2019 at 9:53 AM Vander Voort, Faith <faith_vandervoort@ios.doi.gov> wrote:

Please advise Steve

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

From: **Lesli Ellis-Wouters** <lellis@blm.gov>

Date: Thu, Feb 21, 2019 at 9:52 AM

Subject: Fwd: [EXTERNAL] Fw: Statement/clarification on ANWR seismic?

To: <faith_vandervoort@ios.doi.gov>

CC: <t75murph@blm.gov>

Faith

I have not received any approved comms on this subject and have asked for them from Steve Wackowski. Since the last approved statement, the message changed at the public meetings. My state director has directed me to refer them to Interior.

Sent from my iPhone
Lesli J. Ellis-Wouters
Communications Director
BLM Alaska

Begin forwarded message:

From: "McGlashen, Andy" <amcglashen@audubon.org>
Date: February 21, 2019 at 5:38:01 AM AKST
To: "<lellis@blm.gov>" <lellis@blm.gov>
Subject: [EXTERNAL] Fw: Statement/clarification on ANWR seismic?

Hi Lesli,

Faith Vander Voort at Interior said you might be able to address the questions below.

Thank you for your time and any clarification you can provide.
-Andy

From: McGlashen, Andy
Sent: Tuesday, February 12, 2019 2:55 PM
To: Interior_Press@ios.doi.gov
Subject: Statement/clarification on ANWR seismic?

Greetings,

I've seen news reports indicating that SAExploration would not begin seismic testing in the Arctic National Wildlife Refuge this winter, along with more recent reports that the testing might begin this winter after all.

I just hoped Interior could clarify the situation for me:

-Does the department expect SAExploration to begin seismic testing this winter/spring?

-Is a Marine Mammal Protection Act permit the last obstacle SAExploration needs to clear before seismic work can begin?

-Where does that permitting process stand?

Thanks,

-Andy

—

Andy McGlashen

Associate Editor, Conservation Policy

517.420.1908

Pronouns: he, him, his

National Audubon Society

225 Varick Street, 7th Floor

New York, NY 10014

www.audubon.org

--

Faith C. Vander Voort

Deputy Press Secretary

Department of the Interior

--

Sara D. Boario

Assistant Regional Director-External Affairs

U.S. Fish and Wildlife Service, Alaska Region

Anchorage, Alaska

907-786-3431



To: Boario, Sara[sara_boario@fws.gov]
Cc: Gavin Shire[gavin_shire@fws.gov]; Faith Vander Voort[faith_vandervoort@ios.doi.gov]; Heather Swift[heather_swift@ios.doi.gov]; Russell Newell[russell_newell@ios.doi.gov]; john_bockmier@ios.doi.gov[john_bockmier@ios.doi.gov]; ctollefson@blm.gov[ctollefson@blm.gov]; Schroeder, Darin[darin_schroeder@fws.gov]; Gregory Siekaniec[greg_siekaniec@fws.gov]; joseph_balash@ios.doi.gov[joseph_balash@ios.doi.gov]; joshua.kindred@sol.doi.gov[joshua.kindred@sol.doi.gov]
From: Stephen Wackowski
Sent: 2018-12-07T15:02:33-05:00
Importance: Normal
Subject: Re: [EXTERNAL] questions for story
Received: 2018-12-07T15:02:42-05:00

Also I'd like Josh, our regional solicitor to have a look at this.

Sent from my iPhone

On Dec 7, 2018, at 10:59 AM, Stephen Wackowski <stephen_wackowski@ios.doi.gov> wrote:

Adding ASLM. I'm ok with this. Last sentence should say that we continue to work with our partners at our sister agency, the Bureau of Land Management, as they develop....

The way it reads now doesn't do our many months of working together on this just.

Sent from my iPhone

On Dec 7, 2018, at 10:51 AM, Boario, Sara <sara_boario@fws.gov> wrote:

Hi all -

Steve asked that we loop back on our proposed response. See below:

We don't typically comment on pre-decisional, leaked, internal documents because it is very common of the MMPA process that an application will change over time, and as a result, our analysis and findings may change. We are currently developing a proposed incidental take authorization that meets the required determinations under the MMPA. As part of a robust, transparent public process, we will publish the proposed authorization in the Federal Register for public comment. That proposal will describe the analysis conducted and provide the rationale for determinations under the MMPA. We encourage you to review that proposal when published. We will work cooperatively with our partners at the BLM as they develop an EA to accompany the proposed MMPA incidental take

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<gavin_shire@fws.gov> wrote:

Thanks.

+ Sara Boario, EA cheif in R7

G

Gavin Shire
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703-346-9123 (c)
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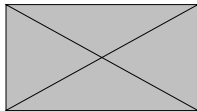
On Fri, Dec 7, 2018 at 12:01 PM Swift, Heather <heather_swift@ios.doi.gov> wrote:

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[@DOIPressSec](#) | [@SecretaryZinke](#) | [@Interior](#)
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To: Gavin Shire <gavin_shire@fws.gov>
Cc: Barbara Wainman <barbara_wainman@fws.gov>

fyi - we just found out about this too. G - I'll you when I'm in.

thx

sb

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From: **Greg Siekaniec** <greg_siekaniec@fws.gov>
Date: Thu, Dec 6, 2018 at 9:46 PM
Subject: Re: [EXTERNAL] questions for story
To: Stephen Wackowski <stephen_wackowski@ios.doi.gov>
Cc: Sara Boario <sara_boario@fws.gov>

Sara,
Please ensure Steve is linked with Gavin and Barbara regarding press inquiries on
ITR and EA inquiries.

Thank you,

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From: Heather Swift
<heather_swift@ios.doi.gov>
Date: December 6, 2018 at 2:37:16 PM PST
To: stephen_wackowski@ios.doi.gov
Subject: Fwd: [EXTERNAL] questions for story

Heather Swift

US Department of the Interior

Begin forwarded message:

From: Adam Federman

<(b) (6)>
[REDACTED]

Date: December 6, 2018 at 5:21:15 PM EST

To: Heather Swift <heather_swift@ios.doi.gov>, Faith Vander
Voort
<faith_vandervoort@ios.doi.gov>

Cc: Interior Press <Interior_Press@ios.doi.gov>

Subject: [EXTERNAL] questions for story

To Whom It May Concern:

I'm a reporting fellow with the Investigative Fund at the Nation Institute and intend to publish a story in *Mother Jones* based on a four-page FWS memo raising concerns about the impacts of seismic surveys on critically threatened polar bear populations in the Southern Beaufort Sea. The Information Memorandum for the Director, drafted by Gregory Siekaniec, is dated September 6 and seems to contradict DOI's earlier assertions that an environmental assessment can be issued with a draft finding of no significant impact.

If you could please respond on the record to the following questions by 1 pm tomorrow (Friday) that

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Anchorage, Alaska
907 786 3431

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Faith C. Vander Voort
Deputy Press Secretary
Department of the Interior

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<Facebook_Logo for Email Signature Block.png> <twitter icon Signature Block.jpg>

<Facebook_Logo for Email Signature Block.png>

<twitter-icon Signature Block.jpg>

To: Wackowski, Stephen[stephen_wackowski@ios.doi.gov];
joshua.kindred@sol.doi.gov[joshua.kindred@sol.doi.gov]
Cc: Gregory Siekaniec[greg_siekaniec@fws.gov]; Gavin Shire[gavin_shire@fws.gov]; Faith
Vander Voort[faith_vandervoort@ios.doi.gov]; Heather Swift[heather_swift@ios.doi.gov]
From: Boario, Sara
Sent: 2018-12-07T15:21:48-05:00
Importance: Normal
Subject: Re: [EXTERNAL] questions for story
Received: 2018-12-07T15:22:08-05:00

sorry, auto-populated with outdated email for josh.

sb

On Fri, Dec 7, 2018 at 11:19 AM Boario, Sara <sara_boario@fws.gov> wrote:

Steve, Josh -

Note the suggested re-write. Please let us know when/how to proceed.

thank you.

sb

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

From: **Shire, Gavin** <gavin_shire@fws.gov>
Date: Fri, Dec 7, 2018 at 11:05 AM
Subject: Re: [EXTERNAL] questions for story
To: Sara Boario <sara_boario@fws.gov>
Cc: Faith VanderVoort <faith_vandervoort@ios.doi.gov>, Heather Swift
<heather_swift@ios.doi.gov>, Russell Newell <russell_newell@ios.doi.gov>, Bockmier,
John <john_bockmier@ios.doi.gov>, Christopher Tollefson <ctollefson@blm.gov>, Darin
Schroeder <darin_schroeder@fws.gov>, Wackowski, Stephen
<stephen_wackowski@ios.doi.gov>, <greg_siekaniec@fws.gov>

I would make the following changes:

1. More emphatic about not commenting on predecisional drafts. We don't!
2. Put 'or' before leaked - they don't have to be leaked for us not to comment
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4. Delete "to accompany the proposed incidental take authorization" from the last sentence to shorten and make less clunky

Suggested rewrite:

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I think this is going to SOL for review. Would like to get concurrent OK from OCO, please.

Thanks all,

G

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To: Wackowski, Stephen[stephen_wackowski@ios.doi.gov]
Cc: Gavin Shire[gavin_shire@fws.gov]; Lesli Ellis-Wouters[lellis@blm.gov]; Ted Murphy[t75murph@blm.gov]; Heather Swift[heather_swift@ios.doi.gov]; Faith Vander Voort[faith_vandervoort@ios.doi.gov]; Russell Newell[russell_newell@ios.doi.gov]; john_bockmier@ios.doi.gov[john_bockmier@ios.doi.gov]; ctollefson@blm.gov[ctollefson@blm.gov]; Schroeder, Darin[darin_schroeder@fws.gov]; Gregory Siekaniec[greg_siekaniec@fws.gov]; Joseph Balash[joseph_balash@ios.doi.gov]; joshua.kindred@sol.doi.gov[joshua.kindred@sol.doi.gov]
From: Boario, Sara
Sent: 2018-12-07T16:29:16-05:00
Importance: Normal
Subject: Re: [EXTERNAL] questions for story
Received: 2018-12-07T16:29:37-05:00
[twitter-icon Signature Block.jpg](#)
[Facebook Logo for Email Signature Block.png](#)

Yes, we'll get out from Greg as soon as he's out of his latest meeting.

thx

sb

On Fri, Dec 7, 2018 at 12:25 PM Stephen Wackowski <stephen_wackowski@ios.doi.gov> wrote:

Fine with me. Attributed to Greg, correct?

Sara- please share final statement with Lesli and Ted for their awareness.

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Who will deliver this to the reporter? Sara?

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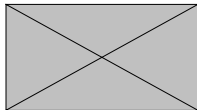
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Agree w/ Gavin.

-

Heather Swift
Senior Advisor to the Secretary
U.S. Department of the Interior
@DOIPressSec | @SecretaryZinke | @Interior
Heather_Swift@ios.doi.gov | Interior_Press@ios.doi.gov

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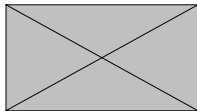
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Date: Fri, Dec 7, 2018 at 11:33 AM
Subject: Fwd: [EXTERNAL] questions for story
To: Gavin Shire <gavin_shire@fws.gov>

Cc: Barbara Wainman <barbara_wainman@fws.gov>

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From: Boario, Sara
Sent: 2018-12-07T16:33:33-05:00
Importance: Normal
Subject: Fwd: [EXTERNAL] questions for story
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Date: Fri, Dec 7, 2018 at 12:25 PM
Subject: Re: [EXTERNAL] questions for story
To: Shire, Gavin <gavin_shire@fws.gov>, Lesli Ellis-Wouters <lellis@blm.gov>, Ted Murphy <t75murph@blm.gov>
Cc: Heather Swift <heather_swift@ios.doi.gov>, Sara Boario <sara_boario@fws.gov>, Faith VanderVoort <faith_vandervoort@ios.doi.gov>, Russell Newell <russell_newell@ios.doi.gov>, Bockmier, John <john_bockmier@ios.doi.gov>, Christopher Tollefson <ctollefson@blm.gov>, Darin Schroeder <darin_schroeder@fws.gov>, <greg_siekaniec@fws.gov>, <joseph_balash@ios.doi.gov>, <joshua.kindred@sol.doi.gov>

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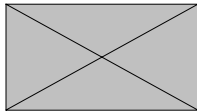
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4. Delete "to accompany the proposed incidental take authorization" from the last sentence to shorten and make less clunky

Suggested rewrite:

We don't comment on pre-decisional, deliberative or leaked, internal documents. Situations change over time, and as a result, our analyses and findings may change. We are currently developing a proposed incidental take authorization that meets the required determinations under the MMPA. As part of a robust, transparent public process, we will publish the proposed authorization in the Federal Register for public comment. That proposal will describe the analysis conducted and provide the rationale for determinations under the MMPA. We encourage you to review that proposal when published. We will work cooperatively with our partners at the BLM as they develop an environmental assessment for the proposed seismic survey on the coastal plain of the Arctic National Wildlife Refuge.

I think this is going to SOL for review. Would like to get concurrent OK from OCO, please.

Thanks all,

G

Gavin Shire
Chief of Public Affairs
U.S. Fish and Wildlife Service
MS: EA
5275 Leesburg Pike
Falls Church, VA 22041-3803
703-358-2649 (o)
703-346-9123 (c)
gavin_shire@fws.gov

On Fri, Dec 7, 2018 at 2:51 PM Boario, Sara <sara_boario@fws.gov> wrote:

Hi all -

Steve asked that we loop back on our proposed response. See below:

We don't typically comment on pre-decisional, leaked, internal documents because it is very common of the MMPA process that an application will change over time, and as a result, our analysis and findings may change. We are currently developing a proposed incidental take authorization that meets the required determinations under the MMPA. As part of a robust, transparent public process, we will publish the proposed authorization in the Federal Register for public comment. That proposal will describe the analysis conducted and provide the rationale for determinations under the MMPA. We encourage you to review that proposal when published. We will work cooperatively with our partners at the BLM as they develop an EA to accompany the proposed MMPA incidental take authorization for the proposed seismic survey on the coastal plain of the Arctic National Wildlife Refuge.

Standing by.

sb

On Fri, Dec 7, 2018 at 8:29 AM Shire, Gavin
<gavin_shire@fws.gov> wrote:

Thanks.

+ Sara Boario, EA cheif in R7

G

Gavin Shire
Chief of Public Affairs
U.S. Fish and Wildlife Service
MS: EA
5275 Leesburg Pike
Falls Church, VA 22041-3803
703-358-2649 (o)
703-346-9123 (c)
gavin_shire@fws.gov

On Fri, Dec 7, 2018 at 12:27 PM Vander Voort, Faith
<faith_vandervoort@ios.doi.gov> wrote:

Just got off the phone with the Dep Sec, and he suggested the regional director comment that we don't comment on pre-decisional.

On Fri, Dec 7, 2018 at 12:11 PM Shire, Gavin <gavin_shire@fws.gov> wrote:

Yes, definitely a leaked predecisional document so wondering whether we'd want to comment at all. Or perhaps not comment on that specifically, but provide some sort of general response about the issue and our deliberations.

G

Gavin Shire
Chief of Public Affairs
U.S. Fish and Wildlife Service
MS: EA
5275 Leesburg Pike
Falls Church, VA 22041-3803
703-358-2649 (o)
703-346-9123 (c)
gavin_shire@fws.gov

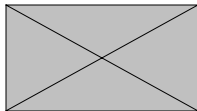
On Fri, Dec 7, 2018 at 12:01 PM Swift, Heather <heather_swift@ios.doi.gov> wrote:

Looping in Steve Wackowski. He and Joe Balash made a good point that this was a pre-decisional document submitted to the Dep Sec, that was obviously leaked by an individual who was seeking to misinform the press. They also added something about the timeline, Steve, can you refresh here?

-

Heather Swift
Senior Advisor to the Secretary
U.S. Department of the Interior
@DOIPressSec | @SecretaryZinke | @Interior
Heather_Swift@ios.doi.gov | Interior_Press@ios.doi.gov

NOTE: Every email I send or receive is subject to release under the Freedom of Information Act.



On Fri, Dec 7, 2018 at 11:51 AM Shire, Gavin <gavin_shire@fws.gov> wrote:

Advice on how you want us to handle this, please. Obviously, this is a sensitive and potentially high profile issue. Want to make sure we are coordinated.

G

Gavin Shire
Chief of Public Affairs
U.S. Fish and Wildlife Service
MS: EA

5275 Leesburg Pike
Falls Church, VA 22041-3803
703-358-2649 (o)
703-346-9123 (c)
gavin_shire@fws.gov

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

From: **Boario, Sara** <sara_boario@fws.gov>
Date: Fri, Dec 7, 2018 at 11:33 AM
Subject: Fwd: [EXTERNAL] questions for story
To: Gavin Shire <gavin_shire@fws.gov>
Cc: Barbara Wainman <barbara_wainman@fws.gov>

fyi - we just found out about this too. G - I'll you when I'm in.

thx

sb

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

From: **Greg Siekaniec** <greg_siekaniec@fws.gov>
Date: Thu, Dec 6, 2018 at 9:46 PM
Subject: Re: [EXTERNAL] questions for story
To: Stephen Wackowski <stephen_wackowski@ios.doi.gov>
Cc: Sara Boario <sara_boario@fws.gov>

Sara,

Please ensure Steve is linked with Gavin and Barbara regarding press inquiries on
ITR and EA inquiries.

Thank you,

Greg

Sent from my iPhone

On Dec 6, 2018, at 8:52 PM, Stephen Wackowski
<stephen_wackowski@ios.doi.gov> wrote:

FYI. Please let me know when you get pinged on
press requests with regards to this topic.

Sent from my iPhone

Begin forwarded message:

From: Heather Swift
<heather_swift@ios.doi.gov>
Date: December 6, 2018 at 2:37:16 PM PST
To: stephen_wackowski@ios.doi.gov
Subject: Fwd: [EXTERNAL] questions for story

Heather Swift
US Department of the Interior

Begin forwarded message:

From: Adam Federman
<(b) (6)>
Date: December 6, 2018 at 5:21:15 PM EST
To: Heather Swift <heather_swift@ios.doi.gov>, Faith Vander
Voort
<faith_vandervoort@ios.doi.gov>
Cc: Interior Press <Interior_Press@ios.doi.gov>
Subject: [EXTERNAL] questions for story

To Whom It May
Concern:

I'm a reporting fellow
with the Investigative
Fund at the Nation
Institute and intend to
publish a story in
Mother Jones based on a
four-page FWS memo
raising concerns about
the impacts of seismic
surveys on critically
threatened polar bear
populations in the
Southern Beaufort Sea.

The Information Memorandum for the Director, drafted by Gregory Siekaniec, is dated September 6 and seems to contradict DOI's earlier assertions that an environmental assessment can be issued with a draft finding of no significant impact.

If you could please respond on the record to the following questions by 1 pm tomorrow (Friday) that would be greatly appreciated. Thank you for your time.

1. On at least two occasions BLM has publicly stated that DOI will issue an environmental assessment with a finding of no significant impact in order to allow seismic surveys of the coastal plain to move forward, possibly as early as this winter. But the September 6 FWS memo appears to contradict this assertion. How has BLM reached the conclusion that seismic surveys will have no significant impact on the coastal plain, and in particular on the threatened polar bear population?

2. The FWS memo concludes that even with mitigation measures in place impacts on the threatened polar bear population would likely be greater than what is permitted under the Marine Mammal Protection Act. Does BLM dispute this conclusion?
3. What sort of stipulations if any are being considered in the event that an incidental take permit is authorized? Is BLM confident that seismic surveys on the coastal plain will not result in Level A harassment of polar bears?
4. According to the memo BLM had intended to release an Environmental Assessment with a finding of no significant impact as early as September 10. Does BLM dispute this?
5. Did the FWS memo delay BLM's publication of the Environmental Assessment?
6. When will BLM be issuing the Environmental Assessment?
7. Does the Department expect that seismic surveys will begin this winter?

(802) 503 9894
Reporting Fellow,
Investigative Fund at the
Nation Institute
Author of *Fasting and
Feasting: The Life of
Visionary Food Writer
Patience Gray*

--

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

--

Faith C. Vander Voort
Deputy Press Secretary
Department of the Interior

--

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



--

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

To: Gregory Siekaniec[greg_siekaniec@fws.gov]; Karen Clark[karen_clark@fws.gov]
Cc: Andrea Medeiros[andrea_medeiros@fws.gov]; Howard, Ameer[amee_howard@fws.gov]
From: Boario, Sara
Sent: 2019-02-07T13:43:10-05:00
Importance: Normal
Subject: Fwd: [EXTERNAL] ANWR/seismic confirmation?
Received: 2019-02-07T13:43:22-05:00

just an FYI - barbara just told me on the phone that this is not the answer she was looking for/enough clarity and she is going to continue to work on getting a process in place. stay tuned.

sb

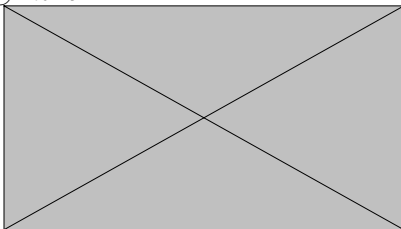
----- Forwarded message -----

From: Newell, Russell <russell_newell@ios.doi.gov>
Date: Thu, Feb 7, 2019 at 9:28 AM
Subject: Re: [EXTERNAL] ANWR/seismic confirmation?
To: Boario, Sara <sara_boario@fws.gov>
Cc: Stephen Wackowski <stephen_wackowski@ios.doi.gov>, Faith Vander Voort <faith_vandervoort@ios.doi.gov>, Margaret Everson <margaret_e_everson@fws.gov>, Gavin Shire <gavin_shire@fws.gov>, Barbara Wainman <barbara_wainman@fws.gov>, Gregory Siekaniec <greg_siekaniec@fws.gov>, Karen Clark <karen_clark@fws.gov>

Faith is the appropriate spokesperson. Please also cc interior_press box on any e-mails for our awareness.
thank you,

Russell

Russell Newell
Deputy Director of Communications
U.S. Department of the Interior
(202) 208 6232
@Interior



On Thu, Feb 7, 2019 at 1:24 PM Boario, Sara <sara_boario@fws.gov> wrote:

Thanks Steve. I totally appreciate the need for a departmental spokesperson on these matters as it involves both fws/blm - could someone please clarify for us who

that person/those authorized people are, and the process for routing our press inquiries (to make sure they get to the right spokesperson(s) and we all know what the final message being delivered to the media is)? We have a few outstanding inquiries and we've helped draft responses, but we're not sure who who is ultimately closing the loop on each of them. We'd also like to make sure we're tracking all the final responses/messages.

Thank you, I appreciate the additional clarity!

Sara

On Thu, Feb 7, 2019 at 8:42 AM Stephen Wackowski <stephen_wackowski@ios.doi.gov> wrote:

Adding DoI comms and SOL (for legal check)

ASLM and I are about to be on a plane to Ft Yukon. I just want to make sure two things happen:

- 1) any responses come from Departmental Spokesperson due to this activity having to be permitted by BLM and FWS.
- 2) we mention that permits (FWS-ITR and BLM-EA) will be amended and will go public shortly to propose a December 2019 project start (when the initial PB surveys in the coastal plain would need to take place).

Thanks,

Steve

Sent from my iPhone

On Feb 7, 2019, at 7:44 AM, Rigler, Tara <trigler@blm.gov> wrote:

Thank you, Steve.

Hello Andrea and Margaret,

Do you have the statement ready?

Many thanks,
Tara

On Thu, Feb 7, 2019 at 10:58 AM Stephen Wackowski <stephen_wackowski@ios.doi.gov> wrote:

Adding FWS.

We had Q&A in Kaktovik Tuesday night and I said that.

As for the status, BLM and FWS are currently amending the EA and ITR packages for Coastal Plain seismic proposed to start in December.

There is a draft statement I wrote for a departmental spox last week floating around. I believe Andrea and Margaret were working on some tweaks to it.

Sent from my iPhone

On Feb 7, 2019, at 4:17 AM, Rigler, Tara <trigler@blm.gov> wrote:

+ Casey and Billy.

On Thu, Feb 7, 2019 at 8:15 AM Rigler, Tara <trigler@blm.gov> wrote:

Good Morning Joe, Steve, Ted and Lesli,
Please see the query from the NYT below. Can we confirm?

Many thanks,
Tara

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

From: **Fountain, Henry** <fountain@nytimes.com>

Date: Thu, Feb 7, 2019 at 6:12 AM

Subject: [EXTERNAL] ANWR/seismic confirmation?

To: <Interior_Press@ios.doi.gov>, <trigler@blm.gov>, Vander Voort, Faith
<faith_vandervoort@ios.doi.gov>

Hi,

I'm following up on the report that Steve Wackowski announced in Kaktovik yesterday that there would be no seismic work in the 1002 this year. Can you confirm? What's the status of SAExploration's application, and of the EA and the incidental take permit?

Please let me know ASAP. Thanks!

Henry Fountain

Climate reporter, [The New York Times](#)

212.556.3930 (o) 914.584.0371 fountain@nytimes.com

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

Author, The Great Quake: How the Biggest Earthquake in North America Changed Our Understanding of the Planet

--

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



--

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



To: Newell, Russell[russell_newell@ios.doi.gov]
Cc: Barbara Wainman[barbara_wainman@fws.gov]; Boario, Sara[sara_boario@fws.gov]; Gavin Shire[gavin_shire@fws.gov]; Gregory Siekaniec[greg_siekaniec@fws.gov]; Karen Clark[karen_clark@fws.gov]; Margaret Everson[margaret_e_everson@fws.gov]; Stephen Wackowski[stephen_wackowski@ios.doi.gov]
From: Vander Voort, Faith
Sent: 2019-02-07T13:49:17-05:00
Importance: Normal
Subject: Re: [EXTERNAL] ANWR/seismic confirmation?
Received: 2019-02-07T13:49:36-05:00

Just received the following statement from Melissa - standing by for Steve's input.

On Thu, Feb 7, 2019 at 1:46 PM Vander Voort, Faith <faith_vandervoort@ios.doi.gov> wrote:

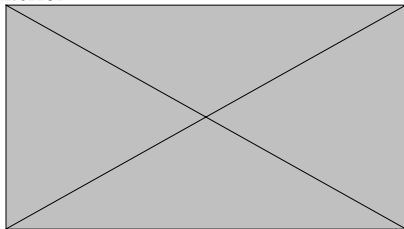
All - I am receiving inquiries as well and would like to know the status of the draft statement ASAP. Thank you.

On Thu, Feb 7, 2019 at 1:28 PM Newell, Russell <russell_newell@ios.doi.gov> wrote:

Faith is the appropriate spokesperson. Please also cc interior_press box on any e-mails for our awareness.
thank you,

Russell

Russell Newell
Deputy Director of Communications
U.S. Department of the Interior
(202) 208 6232
@Interior



On Thu, Feb 7, 2019 at 1:24 PM Boario, Sara <sara_boario@fws.gov> wrote:

Thanks Steve. I totally appreciate the need for a departmental spokesperson on these matters as it involves both fws/blm - could someone please clarify for us who that person/those authorized people are, and the process for routing our press inquiries (to make sure they get to the right spokesperson(s) and we all know what the final message being delivered to the media is)? We have a few outstanding inquiries and we've helped draft responses, but we're not sure who who is ultimately closing the loop on each of them. We'd also like to make sure we're tracking all the final responses/messages.

Thank you, I appreciate the additional clarity!

Sara

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- 2) we mention that permits (FWS-ITR and BLM-EA) will be amended and will go public shortly to propose a December 2019 project start (when the initial PB surveys in the coastal plain would need to take place).

Thanks,

Steve

Sent from my iPhone

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There is a draft statement I wrote for a departmental spox last week floating around. I believe Andrea and Margaret were working on some tweaks to it.

Sent from my iPhone

On Feb 7, 2019, at 4:17 AM, Rigler, Tara <trigler@blm.gov> wrote:

+ Casey and Billy.

On Thu, Feb 7, 2019 at 8:15 AM Rigler, Tara <trigler@blm.gov> wrote:

Good Morning Joe, Steve, Ted and Lesli,
Please see the query from the NYT below. Can we confirm?

Many thanks,
Tara

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

From: **Fountain, Henry** <fountain@nytimes.com>

Date: Thu, Feb 7, 2019 at 6:12 AM

Subject: [EXTERNAL] ANWR/seismic confirmation?

To: <Interior_Press@ios.doi.gov>, <trigler@blm.gov>, Vander Voort, Faith
<faith_vandervoort@ios.doi.gov>

Hi,

I'm following up on the report that Steve Wackowski announced in Kaktovic yesterday that there would be no seismic work in the 1002 this year. Can you confirm? What's the status of SAExploration's application, and of the EA and the incidental take permit?

Please let me know ASAP. Thanks!

Henry Fountain

Climate reporter, [The New York Times](#)

212.556.3930 (o) 914.584.0371 fountain@nytimes.com

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

Author, [The Great Quake](#): How the Biggest Earthquake in North America Changed Our Understanding of the Planet

--

Sara D. Boario

0000013385

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



--

Faith C. Vander Voort
Deputy Press Secretary
Department of the Interior

--

Faith C. Vander Voort
Deputy Press Secretary
Department of the Interior

To: Wackowski, Stephen[stephen_wackowski@ios.doi.gov]; Andrea Medeiros[andrea_medeiros@fws.gov]
Cc: Gavin Shire[gavin_shire@fws.gov]; Faith Vander Voort[faith_vandervoort@ios.doi.gov]; Lesli Ellis-Wouters[lellis@blm.gov]
From: Boario, Sara
Sent: 2019-02-22T14:57:48-05:00
Importance: Normal
Subject: Re: [EXTERNAL] Fw: Statement/clarification on ANWR seismic?
Received: 2019-02-22T14:58:00-05:00
[twitter-icon Signature Block.jpg](#)
[Facebook Logo for Email Signature Block.png](#)

Hey Steve -

I was out of the office yesterday, and just getting caught back up -- do you still need help with this? I'll have Andrea take a crack at it.

If you guys ever need anything immediate and don't hear from, make sure to loop Andrea in. She's our media POC.

thanks!

sb

On Thu, Feb 21, 2019 at 9:21 AM Wackowski, Stephen <stephen_wackowski@ios.doi.gov> wrote:

Faith-

Sorry for the delay in getting back to you. I heard from Greg yesterday who has been in discussions with the applicant and it sounds like we are officially kicked into next year.

Greg- Can you confirm?

I think we should put together a blanket statement to cover both BLM and USFWS on this.

Sara- Since USFWS Alaska region has been engaged the most with SAE can you take a first crack at the response/blanket statement? I don't think we need to directly answer his second question.

Best,

Steve

Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
[4230 University Drive, Suite 300](#)
[Anchorage, AK 99508](#)
907-271-5485

On Thu, Feb 21, 2019 at 9:53 AM Vander Voort, Faith <faith_vandervoort@ios.doi.gov> wrote:

Please advise Steve

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

From: **Lesli Ellis-Wouters** <lellis@blm.gov>

Date: Thu, Feb 21, 2019 at 9:52 AM

Subject: Fwd: [EXTERNAL] Fw: Statement/clarification on ANWR seismic?

To: <faith_vandervoort@ios.doi.gov>

CC: <t75murph@blm.gov>

Faith

I have not received any approved comms on this subject and have asked for them from Steve Wackowski. Since the last approved statement, the message changed at the public meetings. My state director has directed me to refer them to Interior.

Sent from my iPhone
Lesli J. Ellis-Wouters
Communications Director
BLM Alaska

Begin forwarded message:

From: "McGlashen, Andy" <amcglashen@audubon.org>
Date: February 21, 2019 at 5:38:01 AM AKST
To: "<lellis@blm.gov>" <lellis@blm.gov>
Subject: [EXTERNAL] Fw: Statement/clarification on ANWR seismic?

Hi Lesli,

Faith Vander Voort at Interior said you might be able to address the questions below.

Thank you for your time and any clarification you can provide.
Andy

From: McGlashen, Andy
Sent: Tuesday, February 12, 2019 2:55 PM
To: Interior_Press@ios.doi.gov
Subject: Statement/clarification on ANWR seismic?

0000013388

Greetings,

I've seen news reports indicating that SAExploration would not begin seismic testing in the Arctic National Wildlife Refuge this winter, along with more recent reports that the testing might begin this winter after all.

I just hoped Interior could clarify the situation for me:

Does the department expect SAExploration to begin seismic testing this winter/spring?

Is a Marine Mammal Protection Act permit the last obstacle SAExploration needs to clear before seismic work can begin?

Where does that permitting process stand?

Thanks,
Andy

—

Andy McGlashen

Associate Editor, Conservation Policy
517.420.1908
Pronouns: he, him, his

National Audubon Society

225 Varick Street, 7th Floor
New York, NY 10014
www.audubon.org

--

Faith C. Vander Voort
Deputy Press Secretary
Department of the Interior

--

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



To: Stephen Wackowski[stephen_wackowski@ios.doi.gov]
From: Siekaniec, Greg
Sent: 2019-03-12T13:20:24-04:00
Importance: Normal
Subject: Re: ASAP please advise
Received: 2019-03-12T13:21:09-04:00

Steve,

Suppressed scientific concerns regarding Arctic Refuge is simply overstated. We were requested to investigate what our information gaps are regarding development of a series of Environmental Impact Statements that will lead to an oil and gas program for Arctic National Wildlife Refuge. We did this with the understanding that existing, new, and/or much more current information will best inform EIS development. This was not intended to be a "list" of science that informs only a leasing EIS. Followup environmental planning will rely on both existing information and new information gathered based on the priorities defined as we undertake new or revised research investigations and studies. This will also be informed by proposed activities resulting from knowledge gained in the leasing EIS. We continue to work within our own resource capacity and with our longstanding partners as to the conduct of priority science on Arctic National Wildlife Refuge or science related to the development of an oil and gas program for the 1002 area of the Refuge. None of our science concerns have been suppressed within the Agency or Department.

greg

On Tue, Mar 12, 2019 at 8:01 AM Stephen Wackowski <stephen_wackowski@ios.doi.gov> wrote:

Greg- Faith and I talked about this request and per our discussion if you are willing, please draft up a response to address this suppression allegation. We're still coordinating our final response but please get something for consideration to us in the next hour or two. Thank you.

Sent from my iPhone

On Mar 12, 2019, at 6:22 AM, Vander Voort, Faith <faith_vandervoort@ios.doi.gov> wrote:

Also, please let me know also if you have any doubts about the authenticity of the assessments that PEER says come from Fish and Wildlife.

On Tue, Mar 12, 2019 at 10:01 AM Faith Vander Voort
<faith_vandervoort@ios.doi.gov> wrote:

Steve and Joe,
Please see the inquiry below and advise on how to respond. Thank you.

Begin forwarded message:

0000013390

From: "Knickmeyer, Ellen" <EKnickmeyer@ap.org>
Date: March 12, 2019 at 9:57:50 AM EDT
To: "Vander Voort, Faith" <faith_vandervoort@ios.doi.gov>,
"heather_swift@ios.doi.gov" <heather_swift@ios.doi.gov>
Subject: [EXTERNAL] FW: PRESS RELEASE: Arctic Refuge Drilling
Scientific Concerns Suppressed

Hi, there _ can I get a response to this allegation, which is that Interior suppressed warnings about the Arctic drilling project, including one from Fish and Wildlife Service?

Thanks much.

Ellen

From: PEER <info@peer.org>
Sent: Tuesday, March 12, 2019 8:55 AM
To: Knickmeyer, Ellen <EKnickmeyer@ap.org>
Subject: PRESS RELEASE: Arctic Refuge Drilling Scientific Concerns
Suppressed

Having trouble with images or links? [Click here](#) to view the release on our website and also try adding us (info@peer.org) to your address book.

For Immediate Release: Tuesday, March 12, 2019
Contact: Susan Sargent (202) 265-7337

ARCTIC REFUGE DRILLING SCIENTIFIC CONCERNS SUPPRESSED

Memos Outlining Major Environmental and Public Health Information Gaps Buried

Washington, DC Nearly a score of expert assessments of critical unknowns about impacts from oil and gas drilling in the Arctic Refuge Coastal Plain were hidden from public view and not used in the official environmental review now nearing its conclusion, according to Public Employees for Environmental Responsibility (PEER). The group today posted the missing memos and is pressing for an investigation to identify who ordered them to not be released or even acknowledged.

In a summary memo dated February 26, 2018, U.S. Fish and Wildlife Service (FWS) Alaska Regional Director Gregory Siekaniec outlined the "Research Gaps identified by [his] and other agency technical experts to inform Arctic Refuge Coastal Plain Oil and Gas Program Environmental Impact Statement" (EIS). The 18 memos "identify the types of information" needed for "planning, developing, and managing an oil and gas program in the 1002 area" of the refuge:

"Primary topics for the Resource Assessments include: soils, permafrost, wetlands, & vegetation; coastal resources; climate & snow; air quality; water resources; acoustic environment; contaminants; oil spills; caribou; other terrestrial mammals; fisheries; birds; subsistence; public health; visitor use; cultural resources; and paleontological resources."

These assessments of information gaps were not included in the Draft Environmental Impact Statement whose public comment period ends tomorrow. In addition, the memos were not produced in response to on-target Freedom of Information Act requests, nor were they listed as withheld.

"The Trump administration apparently does not want to admit that it is flying blind in opening one of the most sensitive places on the planet to petroleum development," stated PEER Executive Director Tim Whitehouse, a former enforcement attorney with the U.S. Environmental Protection Agency, pointing out that the deliberate exclusion of the known unknowns may make

the EIS legally vulnerable. "Reliance upon alternative facts may work on talk shows but they won't stand up in court."

Identified information needs cover an array of basic topics, including:

- There is no current baseline data for any of the natural resources that may be impacted;
- There has not been a vegetation survey in 25 years; and
- There is no oil spill recovery capacity or plan to contain other pollutants.

The senior official overseeing this effort is Acting Interior Secretary David Bernhardt. In Bernhardt's previous stint at Interior during the GW Bush years, his office changed the FWS biological assessment, making more than dozen material alterations to minimize predicted impacts. These changes were ascribed to "typographical errors." PEER is asking Interior's Office of Inspector General (IG) to investigate.

"Trump's Interior Department is in a panicked rush to open the Arctic to drilling," added Whitehouse, noting that Interior is trying to hurry the leasing schedule. "Ignoring these gaping information gaps constitutes resource management malpractice."

###

Look at each of the Information Gap memos

Read the PEER IG complaint

View the Draft EIS

Revisit Bernhardt falsifying 2001 Arctic Refuge assessment

[Manage Subscription](#)

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--

Faith C. Vander Voort
Department of the Interior

To: Paul Leonard[paul_leonard@fws.gov]
From: Wendy Loya
Sent: 2018-08-27T15:42:02-04:00
Importance: Normal
Subject: RE: Can you guys make time to talk about snow monitoring with me tomorrow
Received: 2018-08-27T15:42:12-04:00

Thanks for the heads up, I'll join in after everyone else works on scheduling but you can lead. I will send you the comments we submitted on the topic later today.

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

From: Leonard, Paul <paul_leonard@fws.gov>
Sent: Monday, August 27, 2018 11:34 AM
To: Wendy Loya <wendy_loya@fws.gov>
Subject: Fwd: Can you guys make time to talk about snow monitoring with me tomorrow

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

From: Jones, Nichelle (Shelly) <njones@blm.gov>
Date: Mon, Aug 27, 2018 at 11:31 AM
Subject: Can you guys make time to talk about snow monitoring with me tomorrow
To: Eric Geisler <egeisler@blm.gov>, "Guyer, Scott" <sguyer@blm.gov>, Nolan Heath <nheath@blm.gov>, Paul Leonard <paul_leonard@fws.gov>, melissa.head@alaska.gov, Timothy Vosburgh <tvosburgh@blm.gov>, Joseph Keeney <jkeeney@blm.gov>

Hey All: I am hoping to get you guys to get together to have a meeting with me sometime early this week (like maybe tomorrow or Wed. if you are available), so I can get a better idea of your thoughts on the adequacy of the existing snow monitoring that is being done by DNR and others on the north slope, combined with what is being proposed by the applicant during their scouting surveys to inform the seismic EA we are working on.

I am not sure exactly how the pre-packing and advance scouting is done in areas that might not yet be open. Perhaps this is why a certain amount of baseline monitoring would be needed even to inform the use by the low ground pressure vehicles?

I would like to have a recommendation on whether additional monitoring would be beneficial and if so, what and how much.

I will also try to get more information from the applicant on how and when the front end loaders and D-7s are utilized to see if there are additional steps necessary to try to insure that they are not employed in situations that will actually lead to creating the impacts they are trying to avoid (damaging ridge tops and river crossings)

I would like know if you have any advice or thoughts on how the applicant could avoid or cross the extensive historically low snow areas, steep terrain and river crossings without damaging them. Has anyone

had time yet to review the FWS map on the low snow areas? I have heard they are extensive.

I am curious if the NSB or anyone tracks the amount of tundra damage that does occur each year from permitted activities and whether they would have an opinion on what the standard or normal/acceptable level of damage is.

Sorry this is a bit of a rant. I know everyone is crazy busy, but I will send out an invite to see if I can corner you tomorrow afternoon to discuss with me. If you know you wont be available, I would still appreciate your thoughts in an email.

-Shelly

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

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(907) 460-0086 (c)

--

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: Leonard, Paul
Sent: 2018-08-29T16:06:22-04:00
Importance: Normal
Subject: Fwd: Can you guys make time to talk about snow monitoring with me tomorrow
Received: 2018-08-29T16:07:04-04:00

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

From: **Jones, Nichelle (Shelly)** <njones@blm.gov>
Date: Wed, Aug 29, 2018 at 11:53 AM
Subject: Re: Can you guys make time to talk about snow monitoring with me tomorrow
To: "Leonard, Paul" <paul_leonard@fws.gov>

Thanks Paul: I did have a conversation with Melissa some of our BLM folks. She seemed generally supportive of the concept of measuring the water equivalency. They don't do it partially because it is time consuming in the field and partially because their Tundra stations are just one point and probably wouldn't provide reliable/representative readings on that to inform the tundra opening.

We are looking at Eric's recommendation for one tundra station every 15 square miles so 12 total I believe is what he is recommending. Then we need to think about what is realistic time-wise for the advanced survey crew and/or the agency staff to monitor during the season. How many transects can be done over what spacing and how far in advance of the operations?

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On Wed, Aug 29, 2018 at 11:25 AM, Leonard, Paul <paul_leonard@fws.gov> wrote:

Hi Shelly,
Did you end up getting a time to have this conversation?

I did hear back from both Campbell Scientific and RSI. Both appear to have setups that will work other instruments and would be happy to provide custom setups (I'm waiting on estimates from both).

one of the things Campbell Scientific advanced was this SWE device <https://www.campbellsci.com/cs725>

Give a shout to discuss. I'm in anchorage today @ 907.786.3501

Cheers,
Paul

On Mon, Aug 27, 2018 at 11:31 AM, Jones, Nichelle (Shelly) <njones@blm.gov> wrote:

Hey All: I am hoping to get you guys to get together to have a meeting with me sometime early this week (like maybe tomorrow or Wed. if you are available), so I can get a better idea of your thoughts on the adequacy of the existing snow monitoring that is being done by DNR and others on the north slope, combined with what is being proposed by the applicant during their scouting surveys to inform the seismic EA we are working on.

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Shelly Jones
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Paul Leonard, PhD

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--
Paul Leonard, PhD
Science Coordinator
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To: Wendy Loya[wendy_loya@fws.gov]
Cc: Colligan, Mary[mary_colligan@fws.gov]
From: Lemons, Patrick
Sent: 2018-09-06T17:50:09-04:00
Importance: Normal
Subject: Re: Updated Timelines for Polar Bear Population Estimates
Received: 2018-09-06T17:50:18-04:00

Thanks Wendy. We received a briefing from our colleagues at USGS on this issue a week or two ago but I do appreciate you passing it on so nothing's missed.
Let me know if you need anything from our end.
Patrick

On Thu, Sep 6, 2018 at 1:32 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

FYI, if you haven't seen already...

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:

On Thu, Sep 6, 2018 at 1:11 PM Zimmerman, Christian
<czimmerman@usgs.gov> wrote:

The purpose of this email is to inform you of changes in the timeline for delivery of Beaufort Sea Polar Bear population estimates. In 2015, USGS published a population estimate for the Beaufort Sea Polar Bear population with data through 2010. With passage of the Tax Law and opening of the 1002 Area in Arctic National Wildlife Refuge (ANWR) to exploration and development, BLM and FWS identified that an updated population estimate is an important information need for permitting and NEPA analyses.

- USGS Alaska Science Center is developing a spatially explicit time series of population estimates for Beaufort Sea Polar Bears that would meet the needs identified by BLM and FWS.
- In January 2017, DOI Water and Science requested a spreadsheet with timelines and products to be delivered that relate to the 1002 Area and ANWR. In that spreadsheet ASC indicated that analyses and initial reporting, in an Open File Report, would be completed by the end of September 2018.
- Due to difficulties with data analyses and health issues for the PI conducting the analyses, USGS ASC has revised timelines for delivery of the population estimates until September 2019.

USGS ASC has discussed this new timeline with representatives from FWS Marine Mammals and BLM. Both partners indicated that this timeline is acceptable for their management needs.

Note: On 31 August 2018, Steve Wackowski - DOI Senior Advisor for Alaskan Affairs, came by ASC to ask questions about FLIR (forward looking infrared) detection of Polar Bear dens. He also asked about the status of the population estimate and was informed that the delivery date has been postponed until September of 2019.

Please let me know if you have any questions or if I can provide more information.

Chris

Christian E. Zimmerman
Center Director
USGS Alaska Science Center
4210 University Dr.
Anchorage, AK 99508
(907)786-7071
czimmerman@usgs.gov

--

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

To: Lynnda Kahn[lynnda_kahn@fws.gov]
From: Wendy Loya
Sent: 2018-09-11T13:22:50-04:00
Importance: Normal
Subject: FW: Cancelling Seismic EA Meeting Today
Received: 2018-09-11T13:22:58-04:00

FYI, more info....

From: Jones, Nichelle (Shelly) <njones@blm.gov>
Sent: Tuesday, September 11, 2018 9:21 AM
To: LaMarr, Sarah <slamarr@blm.gov>; Donna Wixon <dwixon@blm.gov>; Steve Berendzen <steve_berendzen@fws.gov>; Fox, Joanna <joanna_fox@fws.gov>; Joshua Rose <joshua_rose@fws.gov>; Wendy Loya <wendy_loya@fws.gov>; Debora Nigro <dnigro@blm.gov>
Subject: Re: Cancelling Seismic EA Meeting Today

I don't expect we will hear until late Thursday or perhaps Friday this week. There are some MMPA/ESA discussions and briefings going on that will factor into how we move forward..

Shelly Jones
Acting Manager
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(907) 474-2310 (w)
(907) 460-0086 (c)

On Tue, Sep 11, 2018 at 8:27 AM, Jones, Nichelle (Shelly) <njones@blm.gov> wrote:
We are on hold regarding uploading the preliminary EA to eNEPA. I'll let you know if anything changes.

Shelly Jones
Acting Manager
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To: Wendy Loya[wendy_loya@fws.gov]
From: Kahn, Lynnda
Sent: 2018-09-11T13:49:39-04:00
Importance: Normal
Subject: Re: Seismic EA on hold per BLM
Received: 2018-09-11T13:50:29-04:00

I have a teleconference at 10:30 am so as long as it's before then I'm good.

Lynnda

Lynnda Kahn | Fish & Wildlife Biologist

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

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On Tue, Sep 11, 2018 at 9:14 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Are you available this morning to catch up on seismic tour, I am free until 11? I could also probably to 1pm today if that worked for you?

Dr. Wendy M. Loya,

Arctic Program Coordinator

Office of Science Applications, US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.227.2942 (mobile)

From: Kahn, Lynnda <lynnda_kahn@fws.gov>
Sent: Tuesday, September 11, 2018 9:11 AM
To: Wendy Loya <wendy_loya@fws.gov>
Subject: Re: Seismic EA on hold per BLM

Okay, thanks Wendy. Wonder what's going on....

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Lynnda

Lynnda Kahn | Fish & Wildlife Biologist

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(907) 260-2818

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On Tue, Sep 11, 2018 at 8:45 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

FYI...The seismic EA had previously been scheduled to be posted on BLM's ePlanning website last week. This is the update we have:

From: Jones, Nichelle (Shelly) <njones@blm.gov>
Sent: Tuesday, September 11, 2018 8:27 AM
To: LaMarr, Sarah <slamarr@blm.gov>; Donna Wixon <dwixon@blm.gov>; Robert Brumbaugh <rbrumbau@blm.gov>; Steve Berendzen <steve_berendzen@fws.gov>; Fox, Joanna <joanna_fox@fws.gov>; Joshua Rose <joshua_rose@fws.gov>; Wendy Loya <wendy_loya@fws.gov>
Subject: Cancelling Seismic EA Meeting Today

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Shelly Jones

Acting Manager

Arctic District Office

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To: Wendy Loya[wendy_loya@fws.gov]
From: Kahn, Lynnda
Sent: 2018-09-11T15:01:13-04:00
Importance: Normal
Subject: Re: Seismic EA on hold per BLM
Received: 2018-09-11T15:02:33-04:00

Okay, sounds good.

Lynnda

Lynnda Kahn | Fish & Wildlife Biologist

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On Tue, Sep 11, 2018 at 10:27 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

I will try to reach you at 230 if we don't have a meeting with BLM. Currently in a meeting to get briefed on MMPA analysis for seismic application.

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: Kahn, Lynnda <lynnda_kahn@fws.gov>
Sent: Tuesday, September 11, 2018 10:25 AM
To: Wendy Loya <wendy_loya@fws.gov>
Subject: Re: Seismic EA on hold per BLM

I am available from 2 pm - 5:30 pm this afternoon Wendy.

0000013406

Lynnda

Lynnda Kahn | Fish & Wildlife Biologist

Kenai National Wildlife Refuge
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Dr. Wendy M. Loya,

Arctic Program Coordinator

Office of Science Applications, US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

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From: Kahn, Lynnda <lynnda_kahn@fws.gov>
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Subject: Re: Seismic EA on hold per BLM

Okay, thanks Wendy. Wonder what's going on....

Lynnda

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We are on hold regarding uploading the preliminary EA to eNEPA. I'll let you know if anything changes.

Shelly Jones

Acting Manager

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-

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-

0000013408

To: Leonard, Paul[paul_leonard@fws.gov]
Cc: Wendy Loya[wendy_loya@fws.gov]
From: Frank Urban
Sent: 2018-09-13T15:18:14-04:00
Importance: Normal
Subject: Re: Weather Stations - GTN-P
Received: 2018-09-13T15:18:20-04:00

Yep,

Monday morning 10am AK time works. Let me know the number to call into.

Frank

On Sep 13, 2018, at 1:12 PM, Leonard, Paul <paul_leonard@fws.gov> wrote:

Hi Frank,
This sound very promising. I'd like to propose a phone call early next week.
Monday AM would be great if you can swing it.

How does 10am AK time look for you?

Cheers,
Paul

On Thu, Sep 13, 2018 at 10:59 AM, Frank Urban <furban@usgs.gov> wrote:

Paul,

Thanks for the note. Matthew has me helping with the organization of the workshop and I managed to find some funds to pay for me to get up there so yes, I will be attending and am really looking forward to it! I would like to stay in close contact with you guys on all of this with potential for continued future data collection support.

To answer your question (I also have a few questions for you)

The sensors and equipment on your list are the nuts and bolts of what I originally specified to Philip Martin when there was some \$ available (although at the time I think it was supposed to be for stations in the Fish Creek Watershed) the idea was that the new stations and hardware would be interchangeable with my stations to facilitate logistics and maintenance and the potential for me to work on the stations in a seamless way. nonetheless.... the equipment is all high quality and is identical to the instrumentation that comprise the majority of my GTN-P stations including the ones on the coastal plain in the refuge. That said, the list you sent is missing a few key components other than ground temperature

instrumentation (there are a few ways to go on that route based on what you are looking to achieve) missing items- namely solar power, batteries, solar charge controller, rain gage alter shield, battery enclosure- as well as any type of telemetry or remote communications equipment.

I can make some suggestions and a budget for what it would take to complete the one station such that it could function just like the existing ones on the coastal plain- It would be simplest if you and I just chatted about this on the phone as there are a lot of details- I have some equipment that we might be able to target to utilize for your new station.

Along those lines- we have long wanted to deploy one or two additional stations on the coastal plain in the refuge to give a better spatial east/west as well as coast to foothills coverage. I have most of the equipment in hand to do that but have been hesitant to do so because of the increased cost of logistics for maintaining additional stations. I have a few good ideas about locations from a climate monitoring standpoint but I imagine you are looking more toward the snow/exploration questions and wanting to add collection platforms.

Questions for you- when do you plan to deploy this new station? who from FWS (or other) would be the point person to compile the rest of the necessary equipment. Who would learn the instrumentation, programming, assembly, field installation, maintenance, data download and distribution etc? The systems are definitively not plug and play.

I am looking for continued support outside of USGS moving ahead including a few pay periods. I wonder if you guys would entertain setting up another IAA that could be used in this way? I am perfectly suited and available to do all of what you are looking for with this new station- in fact with equipment in hand I think we could pretty easily set up two new stations and utilize my expertise and experience so you would not have to hire a new person or task someone else with all the details. We could set up the IAA for a few years time frame and could include the \$ that the refuge otherwise has directed my way for logistics on a piecemeal basis. I did set up an IAA with BLM (it is in place) to work on my stations in NPRA which included some \$ for pay periods. We could do something similar for the refuge with in kind equipment being provided as well.

What do you think?

I am available tomorrow for a phone call- pretty busy this afternoon. Tomorrow I am available 9-noon and 2:30-5pm mountain time.

Thanks!

Frank

On Sep 13, 2018, at 9:18 AM, Leonard, Paul <paul_leonard@fws.gov> wrote:

Hi Frank,

I was wondering if you could have a look at the specs on these MET stations. The Arctic LCC has 1 of the 3 here that we might deploy somewhere on the coastal plain. Is this setup similar to the GTN-P stations? One of the things that appears missing is instrumentation to collect frost depth. Can you advise about additional instrumentation we'd need to approach a GTN-P station or if it is even possible given this data logger?

Thanks so much for your help. I also like to catch up with you soon about your thoughts on where we might deploy a new MET station that could compliment the 3 that are already in place.

Also, I saw the report from those 3 stations has been updated here: <https://pubs.er.usgs.gov/publication/ds1092>

Thanks for all your work keeping these going. I do hope that you'll be attending our snow workshop next month in Fairbanks. Let me know if you have any issues/questions/concerns.

Cheers,
Paul

--

Paul Leonard, PhD
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Paul Leonard, PhD
Science Coordinator
Arctic LCC

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Fairbanks, AK 99701
(907) 456-0445

To: Leonard, Paul[paul_leonard@fws.gov]
Cc: Wendy Loya[wendy_loya@fws.gov]
From: Frank Urban
Sent: 2018-09-13T15:22:07-04:00
Importance: Normal
Subject: Re: Weather Stations - GTN-P
Received: 2018-09-13T15:22:14-04:00

One other thought- had you guys ever considered putting cameras out on the stations to monitor snow conditions? I have done some of this in NPRA and it is quite instructive. They could potentially be telemetered as well which could give another whole dimension to being able to monitor conditions on the coastal plain.

On Sep 13, 2018, at 1:12 PM, Leonard, Paul <paul_leonard@fws.gov> wrote:

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Thanks so much for your help. I also like to catch up with you soon about your thoughts on where we might deploy a new MET station that could compliment the 3 that are already in place.

Also, I saw the report from those 3 stations has been updated here: <https://pubs.er.usgs.gov/publication/ds1092>

Thanks for all your work keeping these going. I do hope that you'll be attending our snow workshop next month in Fairbanks. Let me know if you have any issues/questions/concerns.

Cheers,
Paul

--

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

<Capture.PNG>

--

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: Cribley, Bud
Sent: 2018-09-24T11:25:35-04:00
Importance: Normal
Subject: Re: Notes from BLM update call for Cooperating Agencies on preliminary Leasing DEIS 9/21/18
Received: 2018-09-24T11:25:52-04:00

Thanks for sharing.

Bud

On Fri, Sep 21, 2018 at 5:31 PM Wendy Loya <wendy_loya@fws.gov> wrote:

Hi all,

Please share with your divisions' 1002 team members:

Today we had a 20 min call with a few updates from Nicole Hayes at BLM; there was representation on the call from all Coop Agencies.

- ☐ BLM received over 400 pages of comments on the preliminary DEIS; they found them all helpful in shaping the document
- ☐ Nicole hopes to complete and share complete comment matrix with everyone today, we can follow up by phone with Nicole with specific questions
- ☐ Significant changes, not described on the phone, were made to Stipulations related to PCH habitat
 - BLM convened experts from BLM, ABR, Jack Winters (ADFG, working for BLM on interdisciplinary team). They were asked to evaluate whether alternatives 7,8, and 9 relating to caribou achieved the Objectives through the stated requirements; where they did not, they revised them.
 - There were also some significant changes to ROPS esp. related to caribou, across all alternatives (so not just Alt D which was the one we suggested).
 - This was in response to comments saying that it was hard to evaluate impacts without it being clear how objectives were met by requirements.
 - I will follow up with Nicole and see if she can share
- ☐ Other significant revisions included clarification for the coastal (Stip 9) and barrier lagoons (Stip 4), which were refined to be inland and waterward focused.
- ☐ LS 9 Coastal Area, 4 was barrier lagoons: redefined being waterward vs. terrestrial

- ☐ While comments from Coop Agencies have been addressed, still need to incorporate Solicitors' comments
- ☐ Mid to late October possibly November ready for public review
- ☐ Once draft goes out, 45 day review
- ☐ Public meetings in all communities where there were public scoping, plus Ft. Yukon, scheduled No less than 15 days after DEIS released

There weren't any questions or concerns raised on the phone; I will update everyone on the comment matrix at our next meeting, after we have had a chance to consider the responses.

Thank you, let me know if you have any questions,

Wendy

Dr. Wendy M. Loya,

Arctic Program Coordinator

Office of Science Applications, US Fish and Wildlife Service

Anchorage, Alaska

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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[wendy_loya@fws.gov]
From: Pearce, John
Sent: 2018-10-19T15:00:09-04:00
Importance: Normal
Subject: Fwd: USFWS Alaska Region Recommendations for FY2019 QRP/SSP
Received: 2018-10-19T15:00:27-04:00
[QRP_FY2019_R7StudyPlan_Caribou_20180815_Final.docx](#)
[QRP_FY2019_R7StudyPlan_PB_monitoring_plan_Final.docx](#)
[SSP_FY2019_R7StudyPlan_1002birdmodeling_Final.docx](#)
[SSP_FY2019_R7StudyPlan_CanningRiverDollyVarden_Final.docx](#)
[SSP_FY2019_R7StudyPlan_Groundwater_Final.docx](#)
[SSP_FY2019_R7StudyPlan_PB_Den_Disturbance_Final.docx](#)
[2019_FWS_Transmittal_memo_to_USGS_QRP_SSP_funding_recs_091418.pdf](#)

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

From: Pearce, John <jpearce@usgs.gov>
Date: Wed, Sep 19, 2018 at 11:34 AM
Subject: Fwd: USFWS Alaska Region Recommendations for FY2019 QRP/SSP
To: Steve Berendzen <steve_berendzen@fws.gov>
Cc: Grant Hilderbrand <ghilderbrand@usgs.gov>

Dear Steve,

I wanted to alert you to the email and cover letter below from Wendy Loya regarding selection of USGS/USFWS collaborative proposals that the USGS will fund in FY2019 as part of the Quick Response/Science Support Program. Grant Hilderbrand and I supervise the USGS scientists that have proposed this work and we have urged them to coordinate and communicate their research plans with you and the Refuge staff.

We plan to inform the community of Kaktovik about this work and that will most likely take place in early winter. We have contacts with the Mayor's office and the Town Council that we will work with to arrange the most appropriate meeting. We will also inform the North Slope Borough Planning Commission office, which is something we regularly do regarding USGS research activities on the North Slope.

Please let me know if you need additional information on these projects and our activities and if a phone call would be useful to discuss. If you are going to be Anchorage this fall or winter we would also be happy to meet with you about this proposed work.

Best Regards,
John

John M. Pearce, Ph.D.
Supervisory Wildlife Biologist
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Email: jpearce@usgs.gov
<https://www.usgs.gov/staff-profiles/john-m-pearce>

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

From: **Wendy Loya** <wendy_loya@fws.gov>
Date: Fri, Sep 14, 2018 at 9:44 AM
Subject: USFWS Alaska Region Recommendations for FY2019 QRP/SSP
To: Aimee Devaris <adevaris@usgs.gov>
Cc: Steven Hilburger <shilburger@usgs.gov>, Christian Zimmerman
<czimmerman@usgs.gov>, John Pearce <jpearce@usgs.gov>

Dear Aimee,

Attached is the memorandum identifying the U.S. Fish and Wildlife Service Alaska Region's recommendations for FY2019 Quick Response Program (QRP) and Science Support Partnership (SSP) research funding, as well as the full proposals we considered. The FY2019 QRP/SSP opportunity was focused on addressing science needs that are clearly linked to Service program priorities and management decisions related to implementing an oil and gas program on the coastal plain (1002 area) of the Arctic National Wildlife Refuge.

We greatly appreciate John Pearce and your science team's assistance in identifying research ideas to help meet our high priority information needs, and look forward to working with you in the coming year. Please let me know if you have any questions.

Sincerely,

Wendy

Dr. Wendy M. Loya,

Arctic Program Coordinator

Office of Science Applications, US Fish and Wildlife Service

Anchorage, Alaska

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907.227.2942 (mobile)

To: Wendy Loya[wendy_loya@fws.gov]
From: Pearce, John
Sent: 2018-10-22T22:26:23-04:00
Importance: Normal
Subject: Re: FW: 2019 USGS Research in 1002 Area and logistics coordination
Received: 2018-10-22T22:26:29-04:00

Hi Wendy,
I'll check with everyone and let you know. We'll try to all be there in person. At this point, I'm not thinking we'll do presentations; just discussion. But let me know if you need any other materials such as maps of where we plan to be, etc.

Thanks,
John

John M. Pearce, Ph.D.
Supervisory Wildlife Biologist
Manager, Wetland and Terrestrial Ecosystems Office
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<https://www.usgs.gov/staff-profiles/john-m-pearce>

On Mon, Oct 22, 2018 at 12:46 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Hi John,

It would be great if USGS could come to FWS, and I will also set up a conference line so Fairbanks can join us, including inviting BLM Arctic Field office staff as they are primary decision-makers in this program. Do you think anyone will have powerpoint slides, or should it just be conversational updates and a chance to discuss?

Thanks, sending out the invite soon and will make it so you can share it with the team there.

wendy

Dr. Wendy M. Loya

Arctic Program Coordinator

0000013422

US Fish and Wildlife Service, Office of Science Applications

Anchorage, Alaska

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From: Pearce, John <jpearce@usgs.gov>
Sent: Saturday, October 20, 2018 6:55 AM
To: Wendy Loya <wendy_loya@fws.gov>
Subject: Re: FW: 2019 USGS Research in 1002 Area and logistics coordination

Hi Wendy,

October 31st at 1 pm works for everyone here. Let me know if you'd like us to call in or come over to FWS.

JP

John M. Pearce, Ph.D.

Supervisory Wildlife Biologist

Manager, Wetland and Terrestrial Ecosystems Office

U.S.Geological Survey, Alaska Science Center

4210 University Drive

Anchorage, Alaska 99508

Tel. 907.786.7094

Email: jpearce@usgs.gov

<https://www.usgs.gov/staff-profiles/john-m-pearce>

On Fri, Oct 19, 2018 at 2:47 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Hey John,

See my email to FWS 1002 team below. Would it work for you and at least Todd and Vanessa to provide updates on SSP Projects on October 31 at 1pm? We have an internal standing weekly meeting then, so it would be an easy start. If that doesn't work, are there some other times you would recommend? It will also be a good chance to see how FWS and USGS can best coordinate logistics.

Thank you, have a great weekend,

Wendy

Dr. Wendy M. Loya

Arctic Program Coordinator

US Fish and Wildlife Service, Office of Science Applications

Anchorage, Alaska

907.786.3532 (office)

907.227.2942 (mobile)

From: Wendy Loya <wendy_loya@fws.gov>

Sent: Friday, October 19, 2018 2:25 PM

To: Joanna Fox <joanna_fox@fws.gov>; John Trawicki <john_trawicki@fws.gov>; Joshua Rose <joshua_rose@fws.gov>; Drew Crane <drew_crane@fws.gov>; Steve Berendzen <steve_berendzen@fws.gov>; Paul Leonard <paul_leonard@fws.gov>

Cc: Mary Colligan <mary_colligan@fws.gov>; Socheata Lor <socheata_lor@fws.gov>; Doug Damberg <doug_damberg@fws.gov>; Karen Murphy <karen_a_murphy@fws.gov>

Subject: 2019 USGS Research in 1002 Area and logistics coordination

Hi 1002 POCs,

Below is an email that USGS sent to Steve B about the selected USGS QRP/SSP projects, and I wanted to make sure everyone is in the loop on next steps, which include how we work with USGS and receive updates, data and products as well as coordinating logistics. Each USGS QRP/SSP project

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has a FWS collaborator, although some will be more involved than others.

John Pearce and I discussed having quarterly updates on the projects so that FWS can stay up to speed and help with any decisions that are being made and to discuss data management and sharing, and I'd like to suggest that we **use our regularly scheduled FWS POC meeting on Wednesday October 31st to have the first quarterly update on USGS projects, inviting USGS to join.**

Winter field projects on the list include: Polar Bear Den Disturbance monitoring (Todd Atwood and Ryan Wilson) and Dolly Varden overwintering in Canning (Vanessa von Biela and Randy Brown). The only summer field project is on Groundwater (Josh Koch and Josh Rose), while the remainder are "desktop" studies (ACP waterbird habitat mapping and caribou habitat) or meetings/coordination (polar bear population monitoring). The list of projects is attached, and the proposals are on the shared drive at: xr7common(\\ifw7ro-file):\\1002ArcticRefuge\\1-Working\\2019 USGS QRP_SSSP Proposals.

At this time, Josh Rose will be the team lead for logistics coordination for research projects in the 1002 area, so please keep him in the loop on any projects from your division. He and John Trawicki will work on a project tracking list and setting up a means for logistics coordination for all projects. Please cc John Pearce in communications with the PI's for the QRP/SSP projects. In addition, USGS also has the Hulahula stream gauge and we have shorebird studies that will be conducted by Rick Lanctot (FWS Mig Birds) and Jim Lyons (USGS). USGS and FWS have some different requirements for flying that need to be kept in mind as we try to share aircraft among projects, and we want to make sure that we are communicating consistently across all agencies (FWS, USGS, BLM, etc) and with industry about aircraft use in sensitive areas, including Kaktovik and subsistence areas, polar bear, caribou and migratory bird habitats, and recreational areas (especially river corridors).

Lots going on! Please share any other thoughts or feedback as we get this off the ground and pass along to relevant members of your division,

Wendy

Dr. Wendy M. Loya

Arctic Program Coordinator

US Fish and Wildlife Service, Office of Science Applications

Anchorage, Alaska

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

From: **Pearce, John** <jpearce@usgs.gov>

Date: Wed, Sep 19, 2018 at 11:34 AM

Subject: Fwd: USFWS Alaska Region Recommendations for FY2019 QRP/SSP

To: Steve Berendzen <steve_berendzen@fws.gov>

Cc: Grant Hilderbrand <ghilderbrand@usgs.gov>

Dear Steve,

I wanted to alert you to the email and cover letter below from Wendy Loya regarding selection of USGS/USFWS collaborative proposals that the USGS will fund in FY2019 as part of the Quick Response/Science Support Program. Grant Hilderbrand and I supervise the USGS scientists that have proposed this work and we have urged them to coordinate and communicate their research plans with you and the Refuge staff.

We plan to inform the community of Kaktovik about this work and that will most likely take place in early winter. We have contacts with the Mayor's office and the Town Council that we will work with to arrange the most appropriate meeting. We will also inform the North Slope Borough Planning Commission office, which is something we regularly do regarding USGS research activities on the North Slope.

Please let me know if you need additional information on these projects and our activities and if a phone call would be useful to discuss. If you are going to be Anchorage this fall or winter we would also be happy to meet with you about this proposed work.

Best Regards,

John

John M. Pearce, Ph.D.

Supervisory Wildlife Biologist

Manager, Wetland and Terrestrial Ecosystems Office

U.S.Geological Survey, Alaska Science Center

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Email: jpearce@usgs.gov

<https://www.usgs.gov/staff-profiles/john-m-pearce>

To: Wendy Loya[wendy_loya@fws.gov]
From: Decleva, Edward
Sent: 2018-12-20T17:47:25-05:00
Importance: Normal
Subject: Fwd: CP PA
Received: 2018-12-20T17:47:43-05:00

FYI

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

edward_decleva@fws.gov
907-786-3399

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

From: Decleva, Edward <edward_decleva@fws.gov>
Date: Thu, Dec 20, 2018 at 1:43 PM
Subject: Re: CP PA
To: Hayes, Miriam (Nicole) <mnhayes@blm.gov>

Thank you Nicole,

The draft outline looks good. Clearly we (BLM and FWS) need to sit down and identify our roles/responsibilities. And I think everyone has already heard my comment that I believe FWS should be retained as a full signatory, rather than reduced to an invited signatory, due at least to the curation responsibilities FWS is likely to have for artifacts that might be collected during investigations and whatnot.

As a fed-to-fed, however, I would caution BLM about SHPO's suggestion for the development of a Cultural Resource Management Plan for the PA. I've experienced the PA/CRMP vortex a couple of times, both of which resulted in it taking 2+ years to get a PA to signature -- the problem being that a CRMP and other PA stipulations never seem to be good enough for some parties -- you can liken it to analysis/paralysis in the NEPA field. If it were me representing the lead federal agency, I'd flat out refuse to do a CRMP. But I would have also flat out resisted agreeing to develop a PA in the first place, especially for an EIS that is not authorizing an actual project -- or at least I would limit the PA to 3 or 4 pages stipulating that actual projects would go through the standard Section 106 review process as applications roll in. And I absolutely would not entertain defining the countless "what if" scenarios for treatments and mitigation strategies for the PA or EIS. As it is, the SHPO is pressing for a PA, while acknowledging that projects would be evaluated per Section 106 later, and that MOA's would be developed to resolve adverse effects for those projects that cause adverse effects. The PA just seems to be an extra and unnecessary tool. But I don't represent the BLM -- so what you all want to do is your business and I will respect that and not bring this up again.

Sorry to end on that topic.

I do sincerely wish you a happy holiday season.

Best regards,
Ed

Edward J. DeCleva
Regional Historic Preservation Officer
U.S. Fish and Wildlife Service, Alaska Region

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edward_decleva@fws.gov
907-786-3399

On Thu, Dec 20, 2018 at 12:54 PM Hayes, Miriam (Nicole) <mnhayes@blm.gov> wrote:

I know we need to have a discussion but if you have any comments you can recommend before taking off on the PA that went out last month - that would be great.

Enjoy your time off!!!

Nicole Hayes

Project Coordinator
Bureau of Land Management
222 W. 7th Avenue #13
Anchorage, Alaska 99513
Desk: (907) 271-4354
Cell: (907) 290-0179

On Thu, Dec 20, 2018 at 12:51 PM Decleva, Edward <edward_decleva@fws.gov> wrote:

In less than an hour from now, I'll be out til Jan 7

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

edward_decleva@fws.gov
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On Thu, Dec 20, 2018 at 12:18 PM Hayes, Miriam (Nicole) <mnhayes@blm.gov> wrote:

This week has gotten away from me and I will be on leave tomorrow. Is anyone available next week to discuss this?

Nicole Hayes

Project Coordinator
Bureau of Land Management
222 W. 7th Avenue #13
Anchorage, Alaska 99513
Desk: (907) 271-4354
Cell: (907) 290-0179

On Fri, Nov 30, 2018 at 6:41 AM Decleva, Edward <edward_decleva@fws.gov> wrote:

Thank you for the response Joe.

I agree that we (BLM and USFWS) should sort this out. The funny thing about the argument is that a PA can be executed without the signature of an invited party. While there's no possibility that USFWS wouldn't sign this one, invited status strikes me as odd given USFWS jurisdiction over cultural resources and the likely significant role USFWS would have in ARPA, NAGPRA and museum property management matters. But I am confident that we can find the best way to deal with this, regardless of how the invited signatory matter plays out.

I am currently available most of the December 17th week - the exception being unavailable midday on the 18th and the afternoons of the 20th and 21st.

Best regards,
Ed

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

edward_decleva@fws.gov
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On Thu, Nov 29, 2018 at 2:44 PM Keeney, Joseph <jkeeney@blm.gov> wrote:

Hi Ed,
I inquired with Sarah Meitl about the invited signatory matter. She responded:

The distinction between Signatory/Invited Signatory is something that the ACHP is starting to crack down on. The consistent message our office has been receiving is that only the lead federal agency is considered a required signatory and the ACHP is pushing for non-lead agencies to be invited to sign the agreement only if they have been assigned responsibilities to implement an agreement. It is a technical detail that I thought I would bring up since it seems to be important to the ACHP. If BLM and FWS feel it is important to have FWS as a Signatory then it should be fine as the ACHP has been okay with it in other agreements.

This is something that should be addressed when USF&WS and BLM meet to discuss the other related permitting matters. Nicole is out of town for a couple weeks, but perhaps we can tentatively schedule something the week of the 17th? It looks like relevant BLM personnel might be available that week, or we could try again after the holidays.

Joe

On Wed, Nov 28, 2018 at 7:50 AM Decleva, Edward <edward_decleva@fws.gov> wrote:

Hi Nicole,

Thank you to you and the BLM team for coordinating and hosting yesterday's PA meeting. I have a couple of points to make.

First, regarding SHPO's recommendation that USFWS should perhaps be removed as a signatory and identified instead as an invited signatory: USFWS does not agree with the recommendation. USFWS is the jurisdictional land manager, a participating agency, and will be impacted by BLM's Section 106 decisionmaking regarding the identification and treatment of cultural resources within USFWS's jurisdiction, NAGPRA responsibilities, and the long-term preservation (ie, curation) of any cultural resources collections recovered as a result of actions caused by oil and gas leasing, exploration, and operations. USFWS must be retained as a full signatory to the PA.

Second, regarding establishing BLM and USFWS responsibilities for ARPA permitting, NAGPRA, and collections management: USFWS believes these are matters to be decided solely between BLM and USFWS. SHPO and ACHP have no jurisdiction regarding federal stewardship responsibilities. It is suggested that BLM and USFWS meet soon to establish our agency's roles.

Thank you for your attention to this.

Ed

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

edward_decleva@fws.gov
907-786-3399

--

Joe Keeney
Archaeologist
BLM Arctic District Office
222 University Avenue
Fairbanks, Alaska 99709
907-474-2312
jkeeney@blm.gov

To: Wendy Loya[wendy_loya@fws.gov]
From: Powers, Elizabeth
Sent: 2018-11-14T19:35:00-05:00
Importance: Normal
Subject: Fwd: [EXTERNAL] Re: FW: 2019 USGS Research in 1002 Area and logistics coordination
Received: 2018-11-14T19:35:19-05:00

Hi Wendy,

Thank you for forwarding this information along. I got set up with a new email and phone number yesterday and want to make sure you have my contact information.

I hope you are doing well. (b) (6)

Cheers,
Elizabeth

Elizabeth Powers, P.h.D.
Science Coordinator
United States Geological Survey
4210 University Drive
Anchorage, AK 99508
Email: epowers@usgs.gov
Phone: (907) 786- 7085

FYI

From: Wendy Loya <wendy_loya@fws.gov>
Sent: Friday, October 19, 2018 2:25 PM
To: Joanna Fox <joanna_fox@fws.gov>; John Trawicki <john_trawicki@fws.gov>; Joshua Rose <joshua_rose@fws.gov>; Drew Crane <drew_crane@fws.gov>; Steve Berendzen <steve_berendzen@fws.gov>; Paul Leonard <paul_leonard@fws.gov>
Cc: Mary Colligan <mary_colligan@fws.gov>; Socheata Lor <socheata_lor@fws.gov>; Doug Damberg <doug_damberg@fws.gov>; Karen Murphy <karen_a_murphy@fws.gov>
Subject: 2019 USGS Research in 1002 Area and logistics coordination

Hi 1002 POCs,

0000013432

Below is an email that USGS sent to Steve B about the selected USGS QRP/SSP projects, and I wanted to make sure everyone is in the loop on next steps, which include how we work with USGS and receive updates, data and products as well as coordinating logistics. Each USGS QRP/SSP project has a FWS collaborator, although some will be more involved than others.

John Pearce and I discussed having quarterly updates on the projects so that FWS can stay up to speed and help with any decisions that are being made and to discuss data management and sharing, and I'd like to suggest that we **use our regularly scheduled FWS POC meeting on Wednesday October 31st to have the first quarterly update on USGS projects, inviting USGS to join.**

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At this time, Josh Rose will be the team lead for logistics coordination for research projects in the 1002 area, so please keep him in the loop on any projects from your division. He and John Trawicki will work on a project tracking list and setting up a means for logistics coordination for all projects. Please cc John Pearce in communications with the PI's for the QRP/SSP projects. In addition, USGS also has the Hulahula stream gauge and we have shorebird studies that will be conducted by Rick Lanctot (FWS Mig Birds) and Jim Lyons (USGS). USGS and FWS have some different requirements for flying that need to be kept in mind as we try to share aircraft among projects, and we want to make sure that we are communicating consistently across all agencies (FWS, USGS, BLM, etc) and with industry about aircraft use in sensitive areas, including Kaktovik and subsistence areas, polar bear, caribou and migratory bird habitats, and recreational areas (especially river corridors).

Lots going on! Please share any other thoughts or feedback as we get this off the ground and pass along to relevant members of your division,

Wendy

Dr. Wendy M. Loya

Arctic Program Coordinator

US Fish and Wildlife Service, Office of Science Applications

Anchorage, Alaska

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

From: **Pearce, John** <jpearce@usgs.gov>

Date: Wed, Sep 19, 2018 at 11:34 AM

Subject: Fwd: USFWS Alaska Region Recommendations for FY2019 QRP/SSP

To: Steve Berendzen <steve_berendzen@fws.gov>

Cc: Grant Hilderbrand <ghilderbrand@usgs.gov>

Dear Steve,

I wanted to alert you to the email and cover letter below from Wendy Loya regarding selection of USGS/USFWS collaborative proposals that the USGS will fund in FY2019 as part of the Quick Response/Science Support Program. Grant Hilderbrand and I supervise the USGS scientists that have proposed this work and we have urged them to coordinate and communicate their research plans with you and the Refuge staff.

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Please let me know if you need additional information on these projects and our activities and if a phone call would be useful to discuss. If you are going to be Anchorage this fall or winter we would also be happy to meet with you about this proposed work.

Best Regards,

John

John M. Pearce, Ph.D.

Supervisory Wildlife Biologist

0000013434

Manager, Wetland and Terrestrial Ecosystems Office

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<https://www.usgs.gov/staff-profiles/john-m-pearce>

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Elizabeth Powers, P.h.D.

Science Coordinator

United States Geological Survey

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Email: epowers@usgs.gov

Phone: (907) 786- 7085

To: Wendy Loya[wendy_loya@fws.gov]
Cc: Stephen Arthur[stephen_arthur@fws.gov]
From: Johnson, Heather
Sent: 2019-02-21T19:00:25-05:00
Importance: Normal
Subject: Re: FW: Porcupine Caribou Vulnerability Analysis by Russell and Gunn 2019
Received: 2019-02-21T19:00:37-05:00

Sounds good. I've inserted the abstract from my TWS talk below.
Thanks so much, Heather

Increasing demands for energy have generated interest in expanding oil and gas production on the North Slope of Alaska, raising questions about the resilience of barren-ground caribou to new development. Although the amount of habitat lost directly to development in the Arctic will likely be relatively small, there are significant concerns about habitat that may be indirectly lost due to caribou avoidance. Wildlife avoidance of energy development has been well documented, but it is often assumed to dissipate over time, despite scant information on the ability of animals to habituate. To understand the long-term effects of energy development on barren-ground caribou we investigated the behavior of the Central Arctic Herd, which has been exposed to oil development on their summer range for ~40 years. Using recent (2015-2017) location data from GPS collared females, we conducted a zone of influence analysis to quantify caribou responses to development across the summer (calving, post-calving and mosquito periods) and under different levels of mosquito harassment (low, moderate and high). Despite the long-term presence of development within their range, caribou exhibited strong avoidance responses to infrastructure for most periods and levels of harassment. Caribou reduced their use of habitat within 6 km of development during the calving period and within 2 - 8 km during the post-calving period (depending on mosquito harassment). During the mosquito period, caribou did not avoid infrastructure when harassment was low, but reduced their use of habitat within 6 km when harassment was high. Our results corroborate a growing body of evidence suggesting that habituation to development in Arctic caribou is likely to be weak or absent.

On Thu, Feb 21, 2019 at 12:25 PM Wendy Loya <wendy_loya@fws.gov> wrote:

Hi Heather,

We would love to get an update on this work, and after March 13th when we finish our Coastal Plain Draft EIS review would be great. Either Steve Arthur or I will connect with you to schedule brown bag presentation if that sounds good? Is there anything you can share with us that might inform our comments on the Draft EIS?

Thank you,

Wendy

Dr. Wendy M. Loya

Arctic Program Coordinator

US Fish and Wildlife Service, Office of Science Applications

Anchorage, Alaska

907.786.3532 (office)

907.227.2942 (mobile)

From: Johnson, Heather <heatherjohnson@usgs.gov>
Sent: Thursday, February 21, 2019 11:17 AM
To: Wendy Loya <wendy_loya@fws.gov>
Subject: Fwd: FW: Porcupine Caribou Vulnerability Analysis by Russell and Gunn 2019

Hi Wendy,

I just wanted to follow-up with you about this paper we are getting ready to submit on caribou behavior responses to energy development within the Central Arctic Herd. I'll be presenting the results to ConocoPhillips/BP, BLM staff, and at the AK Wildlife Society meeting in the next week or so, and would be happy to discuss our findings with folks from the USFWS.

Let me know if you guys are interested, and a good day/time. I'm largely around the next few weeks.

Sincerely, Heather Johnson

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

From: **Johnson, Heather** <heatherjohnson@usgs.gov>
Date: Thu, Feb 7, 2019 at 4:48 PM
Subject: Re: FW: Porcupine Caribou Vulnerability Analysis by Russell and Gunn 2019
To: Wendy Loya <wendy_loya@fws.gov>

Hi Wendy,

Thanks so much for passing this on, I hadn't seen it yet.

Also, I'm getting ready to submit a manuscript for publication on the long-term responses of the Central Arctic Caribou Herd to energy development, an analysis that should be relevant to the 1002 EIS. In the next couple of weeks I'll be discussing the analysis/results with Conoco Phillips and BP and presenting findings at the AK Wildlife Society meeting. I'd be happy to come over and share our initial findings with you and anyone else at USFWS, if you are interested. Right now, I'm just waiting on the internal review from ADFG (given ADFG coauthors) before it gets submitted to the Journal of Wildlife Management.

Sincerely, Heather

On Thu, Feb 7, 2019 at 4:16 PM Wendy Loya <wendy_loya@fws.gov> wrote:

Not sure if this has crossed your desks yet.

FYI, attached 2019 report to the Canadian Government titled: Vulnerability analysis of the Porcupine Caribou Herd to potential development of the 1002 lands in the Arctic National Wildlife Refuge, Alaska

Dr. Wendy M. Loya

Arctic Program Coordinator

US Fish and Wildlife Service, Office of Science Applications

Anchorage, Alaska

907.786.3532 (office)

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Heather Johnson, Ph.D.

Research Wildlife Biologist

USGS Alaska Science Center

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Anchorage, Alaska 99508

Phone: 907.786.7155

Email: heatherjohnson@usgs.gov

--

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Email: heatherjohnson@usgs.gov

To: Wendy Loya[wendy_loya@fws.gov]
Cc: Charla Sterne[charla_sterne@fws.gov]; Joseph Bunnell[jbunnell@usgs.gov]; Steven Hilburger[shilburger@usgs.gov]
From: Wimer, Mark
Sent: 2019-03-06T17:24:59-05:00
Importance: Normal
Subject: Re: Science Support Partnership (SSP) & Quick Response Program (QRP) FY2019 Announcement
Received: 2019-03-06T17:25:19-05:00

Excellent, and thank you, this will be sufficient for us to proceed.
Mark

Mark Wimer

Ecosystems Mission Area - Wildlife Program (on Detail Dec-Feb)

U.S. Geological Survey, 12201 Sunrise Valley Dr., MS 300, Reston, VA 20192
mwimer@usgs.gov / cell/text: 240-755-1469 / desk: 703-648-4098

[March 2019+: Patuxent Wildlife Research Center, Laurel, MD]

On Wed, Mar 6, 2019 at 3:40 PM Wendy Loya <wendy_loya@fws.gov> wrote:

Hi Mark,

I do confirm agreement that these two studies are a priority request for USGS science in support of FWS/BLM information needs related to the DOI priority for implementing an oil and gas program in the Arctic National Wildlife Refuge. Both of these projects should contribute information needed in the early stages of an oil and gas program (next 1-3 years), including informing protections for groundwater and aufeis (Koch) and fish winter habitat (von Biela) that could be affected by next winter's proposed seismic exploration, including water withdrawals, as well as how BLM will implement any leasing restrictions and/or required operating procedures to protect water resources and fish & wildlife habitat, which are purposes for the Arctic Refuge under ANILCA. I would be happy to discuss further if a greater understanding of the purpose and need would help you in your decision-making.

Thank you for your help,

Wendy

Dr. Wendy M. Loya

0000013440

Arctic Program Coordinator

US Fish and Wildlife Service, Office of Science Applications

Anchorage, Alaska

907.786.3532 (office)

907.227.2942 (mobile)

From: Wimer, Mark <mwimer@usgs.gov>

Sent: Wednesday, March 6, 2019 9:05 AM

To: Charla Sterne <charla_sterne@fws.gov>; Wendy Loya <wendy_loya@fws.gov>

Cc: Joseph Bunnell <jbunnell@usgs.gov>; Steven Hilburger <shilburger@usgs.gov>

Subject: Re: Science Support Partnership (SSP) & Quick Response Program (QRP) FY2019 Announcement

Hi Charla and Wendy,

Assuming you're the right two people to share this with and ask for a confirmation regarding science needs priorities: we understand a couple of the "new starts" for your region under the USGS SSP program are relatively time-sensitive, and awaiting full funds allocation will negatively impact them. For us to approve new starts to "go ahead and get moving, funds will arrive" means that if SSP program funds *are* reduced to make up for USGS funding cuts elsewhere, but other studies might need to be postponed for funding next year (for example).

Chris Zimmerman has graciously done the legwork for the studies at his Center on time sensitivity and so on, so I've simply included his message below. We're checking in with you to confirm agreement that these two studies are a priority for USGS science under the SSP program this year (Dolly Varden in Canning River, and quantifying roundwater/aufeis at ANWR).

If you have questions or wish to discuss further, don't hesitate to ask. Thank you.

Mark

Mark Wimer

Ecosystems Mission Area - Wildlife Program (on Detail Dec-Feb)

U.S. Geological Survey, 12201 Sunrise Valley Dr., MS 300, Reston, VA 20192

mwimer@usgs.gov / cell/text: 240-755-1469 / desk: 703-648-4098

[March 2019+: Patuxent Wildlife Research Center, Laurel, MD]

On Tue, Mar 5, 2019 at 4:12 PM Zimmerman, Christian <czimmerman@usgs.gov> wrote:

Mark-

With response to your questions concerning difficulties with delays in the starts of projects:

First the projects that will not be affected by delays:

1. Amundson - Distribution and abundance of breeding waterbirds...
2. Johnson - Mapping calving and post-calving habitat quality for the Porcupine Caribou Herd...
3. Atwood - Polar bear maternal den disturbance levels..
4. Atwood- Development of a population monitoring plan..

The following projects will be negatively affected by delays:

1. Koch - Quantifying groundwater and aufeis and their contribution to surface water

2. von Biela - Overwinter distribution of juvenile Dolly Varden in the...

The PIs for the two affected projects provided the following information:

Project titles: Overwinter distribution of juvenile Dolly Varden in the Canning River, Alaska
Quantifying groundwater and aufeis and their contribution to surface water availability and habitat in the Arctic National Wildlife Refuge, Alaska

Can the work be done later in the year? No. This work is specifically aimed at understanding the overwintering habitat of juvenile Dolly Varden and the sources of water (surface water vs. groundwater) that sustain these habitats. Thus, the work must occur at the end of winter (i.e., April) near the seasonal ice maximum. If this work were completed in early or mid-winter, it would not be clear which locations would freeze and ultimately result in non-viable overwintering habitat for Dolly Varden. This spring trip is also the only time of year when a predominantly groundwater chemical sample can be collected, which is necessary to achieve the water source contribution goals of the groundwater and aufeis project.

At what point does the project become nonviable for this year (due to a loss of field season, hiring windows, etc.)? March 15. We need to start planning for this project ASAP for it to be viable this year. Field sampling gear must be ordered and OAS Aviation contracts must be put in place in March for the project to move forward with April field work.

What issues arise if the project is postponed until next year? Missed opportunity to inform decisions. These projects are designed to inform timely decisions within the 1002 area of the Arctic National Wildlife Refuge. A draft EIS has already been issued for the Coastal Plain Lease Sale and seismic surveys are expected to begin next year. The importance of this information is demonstrated by the number of alternatives in the draft EIS that concern minimizing disturbance to overwintering fish habitat. Due to the low levels of freshwater on this landscape and the high demands for freshwater during exploration and development of energy, there is great interest in understanding the sources of freshwater in this region. Additionally, a student intern is planning to analyze water chemistry data from this April trip as part of his supplementary project (pending funding by NSF). Postponing work until next year would result in the loss of this opportunity for the student and the research team, and specifically result in fewer dollars for sample analysis to address groundwater research objectives.

Please contact me if you have any questions.

Thank you,

Chris

=====

Christian E. Zimmerman

Center Director

Acting Regional Aviation Manager

USGS Alaska Science Center

4210 University Dr.

Anchorage, AK 99508

(907)786-7071

czimmerman@usgs.gov

On Tue, Feb 26, 2019 at 1:58 PM Wimer, Mark <mwimer@usgs.gov> wrote:

Subject: Science Support Partnership (SSP) & Quick Response Program (QRP)
FY2019 Announcement

This is an announcement regarding plans for FY2019 funding under the USGS/FWS Science Support Partnership (SSP) and Quick Response Program (QRP). These two partnerships are collaborative programs through which USGS scientists address priority research needs identified by the US Fish and Wildlife Service (FWS).

The SSP/QRP is supported by approximately \$3.8 million of Ecosystems Mission Area funding each year, of which approximately \$2.2 million was available for new activities in FY2019. Based on funding available and FWS-identified priorities, we anticipate funding 42 new activities and 38 on-going activities, for a total of 80 research and technical assistance activities this year (see enclosed project list).

Thank you to all who applied to both these programs, and congratulations to those selected.

Fiscal Year 2019 Selections

A list of activities to be funded by SSP and QRP in FY2019 is enclosed as an Excel

file. As you review these titles, please note that some activities take place at more than one USGS Research Center, and some are supported by more than one FWS Region. Some activities are co-funded by both SSP and QRP. Clarifying notes have been included on the announcement list where appropriate.

New Starts and Budget Guidance

This announcement is *Informational Only* for new starts (studies beginning in FY2019): although an appropriations bill has been passed, USGS has not received funds yet and full funding is not guaranteed. Centers should treat new starts as they would under a Continuing Resolution and are advised to not incur costs against new activities until we notify you of final funding status. If USGS receives allocations which reduce the SSP or QRP programs, priority will be given to continuation of ongoing studies over initiation of new studies. Centers may continue work on ongoing SSP activities as budgeted on the enclosed project list.

If the timing of any study (new or ongoing) will be hampered by these limitations for new starts, there may be options to keep the project viable. PIs with the potential of losing a study year (due to missing a field season window, need to hire a student, or something similar) are advised to work with Ecosystems staff listed below, as well as with their FWS counterparts, to consider contingencies for pending studies. Can the work be done later in the year? At what point does the project become nonviable for this year (due to a loss of field season, hiring windows, etc.)? What issues arise if the project is postponed until next year? Please contact us if your project is going to be lost for the year, so we are aware and can help to revise plans. If a study cannot be initiated in 2019 because of the budget delay, it most likely will be pushed until 2020 and will not need to re-compete through the SSP process.

Next Steps and Status of Funds

Activities funded under SSP and QRP are categorized as either Research or Technical Assistance. Please refer to the "Project Type" column of the announcement list to determine which of the following actions your activity requires.

PIs for all ongoing activities (those begun in previous years and carrying into 2019) are asked to provide a copy, upon completion, of any products to (1) the FWS project officer(s), (2) the appropriate FWS Regional Contact, and (3) the Ecosystems contacts below. This includes any annual or interim reports produced. Funding for ongoing studies will be distributed in the initial budget allocation to centers.

New research activities require a peer reviewed study plan prior to the eventual release of funds. PIs will need to initiate the peer review process using your local Science Center policy under Fundamental Science Practices. Upon completion of the peer review process, please submit an electronic copy of the study plan (including appropriate supervisory approval) to the Ecosystems contact below. Comments from individual reviewers are not required, only the final document.

After the plan is received a change of allocation (COA) will be prepared to distribute the funds.

New Technical Assistance activities do not require a peer reviewed study plan. Funding for these activities will be distributed in the initial budget allocation to centers.

BASIS+ Entry

As with all USGS science, PIs or other appropriate Center/Coop Unit staff are required to include a description of the work and related products in BASIS+; please refer to the FY19 BASIS+ Guidance from Ecosystems. Centers may place SSP work under any local BASIS+ Project – there is no HQ-based project for SSP. Please begin the task title with “SSP” so it is easily recognized as part of this program.

FY2020 Requests for Proposals

For your planning calendars, it is anticipated that the next RFP for SSP and QRP will begin in March-April 2019. FWS Regional Offices should begin issuing Requests for Proposals with proposals likely due near June 1. Now is a good time to connect with FWS staff and begin to think about new proposal topics.

This message is being sent within USGS to Regional Offices, biologically focused Science Centers, and recipient PIs. Centers are asked to distribute as appropriate.

Thank you, and we wish you success with your research,

Mark Wimer (acting), Joe Bunnell, and Steve Hilburger
USGS Ecosystems Mission Area

Ecosystems Contacts

Please direct corrections to any information in this announcement, new study plans, questions and concerns about this announcement or the FY2019 Science Support Partnership or Quick Response Program to both Joe Bunnell (jbunnell@usgs.gov, 703-648 6497) and Mark Wimer (mwimer@usgs.gov, 703-648-4098) who is detailed to the Wildlife Program until mid-March 2019. Please note that Steve Hilburger (shilburger@usgs.gov) will be on a detail with the USGS Office of Science Quality and Integrity through March 2019; consider that in your queries.

To: Christian Zimmerman[czimmerman@usgs.gov]; John Pearce[jpearce@usgs.gov]
From: Wendy Loya
Sent: 2019-03-06T15:42:18-05:00
Importance: Normal
Subject: SSP priority confirmation for 2019 projects
Received: 2019-03-06T15:42:21-05:00

John and Chris,

Below is my response to Mark Wilmer regarding our SSP requested projects for Koch and von Biela for your information, as it includes the near-term management needs for that research. Wanted to keep you in the loop as our POCs for this.

Thank you,
Wendy

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

From: Wendy Loya <wendy_loya@fws.gov>
Sent: Wednesday, March 6, 2019 11:40 AM
To: 'Wimer, Mark' <mwimer@usgs.gov>; 'Charla Sterne' <charla_sterne@fws.gov>
Cc: Joseph Bunnell <jbunnell@usgs.gov>; Steven Hilburger <shilburger@usgs.gov>
Subject: RE: Science Support Partnership (SSP) & Quick Response Program (QRP) FY2019 Announcement

Hi Mark,

I do confirm agreement that these two studies are a priority request for USGS science in support of FWS/BLM information needs related to the DOI priority for implementing an oil and gas program in the Arctic National Wildlife Refuge. Both of these projects should contribute information needed in the early stages of an oil and gas program (next 1-3 years), including informing protections for groundwater and aufeis (Koch) and fish winter habitat (von Biela) that could be affected by next winter's proposed seismic exploration, including water withdrawals, as well as how BLM will implement any leasing restrictions and/or required operating procedures to protect water resources and fish & wildlife habitat, which are purposes for the Arctic Refuge under ANILCA. I would be happy to discuss further if a greater understanding of the purpose and need would help you in your decision-making.

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Anchorage, Alaska

907.786.3532 (office)
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Mark

Mark Wimer
Ecosystems Mission Area - Wildlife Program (on Detail Dec-Feb)
U.S. Geological Survey, 12201 Sunrise Valley Dr., MS 300, Reston, VA 20192
mwimer@usgs.gov / cell/text: 240-755-1469 / desk: 703-648-4098

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0000013448

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Thank you,

Chris

Christian E. Zimmerman

Center Director

Acting Regional Aviation Manager

USGS Alaska Science Center

4210 University Dr.

Anchorage, AK 99508

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czimmerman@usgs.gov

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Mark Wimer (acting), Joe Bunnell, and Steve Hilburger
USGS Ecosystems Mission Area

Ecosystems Contacts

Please direct corrections to any information in this announcement, new study plans, questions and concerns about this announcement or the FY2019 Science Support Partnership or Quick Response Program to both Joe Bunnell (jbunnell@usgs.gov, 703-648 6497) and Mark Wimer (mwimer@usgs.gov, 703-648-4098) who is detailed to the Wildlife Program until mid-March 2019. Please note that Steve Hilburger (shilburger@usgs.gov) will be on a detail with the USGS Office of Science Quality and Integrity through March 2019; consider that in your queries.

To: Wendy Loya[wendy_loya@fws.gov]; Doug Damberg[doug_damberg@fws.gov]; Steve Berendzen[steve_berendzen@fws.gov]
From: Trawicki, John
Sent: 2019-03-14T12:48:07-04:00
Importance: Normal
Subject: Fwd: Agenda: Spring 2019 AHTWG Quarterly Meeting - March 26, 2019
Received: 2019-03-14T12:48:51-04:00

fyi

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

From: **Wigglesworth, David** <david_wigglesworth@fws.gov>
Date: Thu, Mar 14, 2019 at 8:19 AM
Subject: Re: Agenda: Spring 2019 AHTWG Quarterly Meeting - March 26, 2019
To: Wright, Brian <bwright@usgs.gov>
Cc: John Trawicki <john_trawicki@fws.gov>, Neil Stichert <Neil_Stichert@fws.gov>

Thanks for the response, Brian. What you propose sounds fine to me.
- David

On Thu, Mar 14, 2019 at 2:28 AM Wright, Brian <bwright@usgs.gov> wrote:

David,

I have communicated to AHTWG members that USGS will likely have funding available and would prefer to partner with existing projects to complete before starting new projects in FY19, give everyone an equal opportunity. FY19 will not allow for a acquisition plan to be developed by AHTWG. I would like to be transparent in how USGS is funding hydro improvements.

I think it would be appropriate for FWS to make comment on their existing agreement with SMUMN to conduct updates in 1002 during respective agency updates. I intend to comment on the 2 partnerships that will allow USGS to commit funding in 2019. Having FWS comment before would be a good transition.

Evidently the NPS also has an agreement with SMUMN to conduct hydro updates. Personally, I want to make sure future agreements with USGS funding are within a contractor's capabilities. I am tad concerned contractors maybe over committing with the influx of USGS future funding.

Everything is tracking for the funding to be available. I have a meeting later today with USGS-NGTOC here in Rolla, MO which is the production operation center. I expect Tracy Fuller who oversees the Alaska budget to announce our intentions on using remaining FY19 funding within existing projects. How USGS will program Alaska funding in 2020 for hydro will be item for discussion.

Brian

On Wed, Mar 13, 2019 at 11:39 AM Wigglesworth, David <david_wigglesworth@fws.gov> wrote:

Hi Brian - In preparation for this meeting, just checking on our communications last week regarding NHD upgrades for 1002 Area C and possible funding. Is this something you will identify during the meeting? Or should we or both.
David

On Wed, Mar 13, 2019 at 5:57 AM Wright, Brian <bwright@usgs.gov> wrote:

Hello AHTWG members,
Attached is the agenda for the Spring 2019 Alaska Hydrography Technical Workgroup meeting scheduled for **March 26, 2019 2:30 pm - 4:30 pm AKST**.

There is a potential for Alaska Mapping Initiative funding to be available for hydrography updates in 2019. Please be able to outline your agency's hydro needs so that AHTWG can incorporate them within a collection strategy that supports multiple needs and allows for cost sharing within partnerships.

A paragraph of your program highlights for inclusion in the meeting minutes are most welcomed.

Please contact me with any questions or concerns.

Brian

On Tue, Jan 29, 2019 at 10:15 AM Wright, Brian <bwright@usgs.gov> wrote:

As a result of the federal government shutdown, the Alaska Hydrography Technical Working Group (AHTWG) meeting scheduled for February 12, 2019 has been cancelled. We plan to reschedule the next meeting after the Continuing Resolution deadline of February 15. AHTWG will collect, compile, and distribute updates via email in the event of another federal government shutdown.

The National Geospatial Program of USGS has been investigating options to update of the hydrography statewide via the Alaska Mapping Initiative. Options to complete statewide hydro update was an action item assigned from the August 2018 Alaska Mapping Executive Committee (AMEC) meeting.

AHTWG will be presenting at the 2019 Alaska Survey and Mapping Conference. The GeoJam session will be very similar to past conference presentations providing a background and history of the program, update status, and outing the potential options to complete the statewide hydrography update.

In the meantime, we are asking members to begin formulating a priority need of updates per

respective agency or program needs, 1-5-10 years. In the event the Alaska Mapping Initiative funding becomes available for hydrography updates, an acquisition plan that best supports multiple needs and allows for possible cost sharing is envisioned. Please also take a look at your representation on the AHTWG (attached) and let us know if there are new POCs that should be added or deleted to the membership/distribution list.

Please feel free to contact Kacy Krieger or myself with any questions, comments, or concerns,

Respectfully,

Brian

--

Brian Wright
National Map Liaison - Alaska
US Geological Survey
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Anchorage, AK 99508
Office/Cell: 907-201-0113
Email: bwright@usgs.gov

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

From: **Wright, Brian** <bwright@usgs.gov>

Date: Tue, Oct 30, 2018 at 1:42 PM

Subject: Alaska Hydrography Technical Work Group (AHTWG) Quarterly Meeting Postponed

To: Kacy Krieger <kekrieger2@alaska.edu>

Cc: Scott Lindsey <scott.lindsey@noaa.gov>, Smith, William <wjsmith@usgs.gov>, Tracy Fuller <tfuller@usgs.gov>, Charley Palmer <charley.palmer@alaska.gov>, <alaskageospatialtag@gmail.com>, Matt Varner <mvarner@blm.gov>, Andy Robertson <aroberts@smumn.edu>, Jim DePasquale <jdepasquale@tnc.org>, Parker Martyn <parker_martyn@nps.gov>, Cory Black <cblack@blm.gov>, Cathy Hillis <chillis@blm.gov>, Jim Rypkema <james.rypkema@alaska.gov>, Steinberger, Wendy S (DNR) <wendy.steinberger@alaska.gov>, Branden Bornemann <branden@kenaiwatershed.org>, Caixia Wang <cwang12@alaska.edu>, Wen Cao <wcao4@alaska.edu>, Angie Southwould <angie_southwould@nps.gov>, Jason Seifert <jason.seifert@alaska.gov>, Kim Homan <kimhoman@fs.fed.us>, Mike Plivelich <(b) (6)>, Alan Rea <ahrea@usgs.gov>, Sheryl Boyack <sboyack@usgs.gov>, Crane Johnson <benjamin.johnson@noaa.gov>, Neil Stichert <neil_stichert@fws.gov>, <jason.graham1@alaska.gov>, Toohey, Ryan <rtoohy@usgs.gov>, Elizabeth Powers <elizabeth_powers@fws.gov>, Emil Tucker <etucker@fs.fed.us>, Ashley Seim <aseim@resdat.com>, Franklin Dekker <franklin_dekker@fws.gov>, Stephen Aichele <saichele@usgs.gov>, Chris Noyles <cnoyles@blm.gov>, Susan Buto <sbuto@usgs.gov>

Good Afternoon AHTWG,

As a result of the Alaska Mapping Executive Committee (AMEC) meeting held on August 29, 2018 in Juneau, Alaska, AHTWG and AK Hydro were assigned to generate cost estimates to complete the statewide hydrography update and present these findings at the spring 2019 AMEC meeting. Attached are the August AMEC meeting notes and action items.

Kacy and I have decided to delay the October AHTWG meeting until options have been researched and developed. AMEC asked AHTWG and AK Hydro to generate cost estimates that include updating NHD to high-resolution (1:24:000) scale, updating the Watershed Boundary Dataset (WBD) to a HU8 level, conflation costs, and the cost to create NHDPlus HR. We are looking at all possibilities to update the statewide hydrography to include the original three options previously identified by AHTWG (attachment).

If you have any suggestions on how to best approach this assignment, please contact us about presenting your idea(s) at the next AHTWG meeting where the options will be presented, discussed, and hopefully, a consensus can be reached prior to the AMEC meeting. All options provided by AK Hydro members will be considered but are hopefully consistent with the *Alaska Hydrography Technical Working Group Charter* and the *Alaska Hydrography Strategic Plan 2017 - 2022*.

Save The Date - The tentative plan is to conduct an AHTWG meeting at the USGS Alaska Science Center in Anchorage on **Tuesday, 12 February 2018**, a day prior to the 2019 Alaska Surveying and Mapping Conference. The meeting will have call-in and web viewing capabilities.

Note: AHTWG has been asked to provide comment on the projection for the generation of NHDPlus for Alaska. Ideally the entire state would have a single projection and ideally, it would be useful to the state, local, and federal agencies.

The NHD for Alaska and the AK Hydro Database are in different projections. The NHD is GCS North American 1983 while AK Hydro is in NAD 1983 Alaska Albers. **Please provide your input to me by Friday, 2 November 2018.**

Please take a moment to look at the attached documents when considering options on how to best proceed with any comments, suggestions or additions.

Brian

Hello AHTWG,

Thank you all for the productive quarterly meeting last week. Attached are the draft minutes for you to review. Please submit any revisions, comments or additions to me.

As discussed during the meeting, AHTWG has been asked to give an update at the upcoming AMEC meeting. In preparation for that meeting, and to better advertise the need for updated hydrography in Alaska, we are asking that AHTWG members provide the following:

- ☐ A list of what updated hydrography will be used for
- ☐ Specific examples of the benefits of updated hydrography in the previous examples
- ☐ A list of “National Tools” that can’t be employed in Alaska because of the lack of quality data.

Please provide these lists by COB Friday, August 3, 2018

Thanks for your help,

-Kacy

Kacy Krieger
Alaska Hydrography Coordinator
Alaska Center for Conservation Science
University of Alaska Anchorage
3211 Providence Drive

Anchorage, Alaska 99508

(208) 801-9869

--

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--

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

To: Greg Siekaniec[greg_siekaniec@fws.gov]
Cc: Jeff Hastings[jhastings@saexploration.com]
From: Colligan, Mary
Sent: 2019-02-14T18:57:53-05:00
Importance: Normal
Subject: Re: [EXTERNAL] SAE ITR Application
Received: 2019-02-14T18:58:10-05:00

Jeff - Would you be available tomorrow at 3 pm AKT for a call?

If so, we can call you direct or can send a call-in number if others will be joining in. Just let me know.

Thanks,
Mary

On Thu, Feb 14, 2019 at 2:15 AM Greg Siekaniec <greg_siekaniec@fws.gov> wrote:

Jeff,

Thank you for the note. I'm traveling from DC to Anchorage today after completing the public hearing for the 1002 Environmental Impact Statement yesterday evening. I have forwarded your questions to to our Marine Mammal team (Mary Colligan) and would like to take you up on your offer to join in a call. I will be in the office and can make myself available when you have time depending on the availability of Mary Colligan.

Regards,

Greg

Sent from my iPhone

On Feb 13, 2019, at 1:12 PM, Jeff Hastings <jhastings@saexploration.com> wrote:

Good morning Greg. I wanted to provide some input and try to get some clarity as to several points that came up during our conversation with the MMPA staff after everyone went back to work. To be clear we do not know all the stipulations in the ITR that was to have been posted to the register in December. However, based on what we think the stipulations are, are our questions when we had the call with the MMPA staff were specifically around two subjects.

1. The current ITR has a requirement to fly two FLIR surveys.

SAE Q. Is there a need/requirement to fly the survey that late in the year (March 15th was

the date we used) after emergence has begun and if so will this be allowed under the current ITR or did there need to be changes to the dates.

USFW A. We would need to run the analysis again.

USFW Q. Do you want us to reassign staff to do that.

SAE A. Yes

The answer from the analysis came back that any FLIR flown after January 15th could result in multiple Level A takes and that a mid-March FLIR could be as many as 2 to 3 Level A takes. Based on our work for the last several months developing mitigations both temporally and spatially to protect the maternal bears and cubs that this new analysis could not provide a path to a FONSI.

We still have questions about what data was used to make the finding on the late season FLIR, as everything else we have used as data point to get to the program we had in the ITR was based on published peer reviewed papers. We are also looking to clarify the January 15th date and the reasons and data points around that determination. There have been many FLIR surveys flown after that date including the USFW survey in ANWR in 2018.

The other question is based on the year end program that we were talking about, is much smaller, 300 square miles vs. 1100 square miles in the current ITR, why did the potential Level A takes increase.

2. April 16th date for last emergence.

SAE Q. Please clarify that after April 16th SAE is free to operate as needed and the ITR stipulations other than the 1 mile avoidance of a known bear or den would still be in place

USFW A. That's not what the ITR says and we would still be restricted to the plots on the maps and the days beyond day one we said we were going to operate in those plots.

SAE Q. What do we have to do to change this

USFW A. Change the ITR

Our position here is if we have worked with the stipulations up to a point where the USFW service data says there is no longer a threat beyond April 16th, why are there any restrictions other than those noted in our first question above.

Greg, SAE is still going to seek an ITR and wants to work with the USFW so that the project has no significant impact on the denning bears. To do that we have a couple items we need clarity;

1. Can an ITR be secured this season and if so what is the likely date we could enter the coastal plain
2. Can the ITR be amended such that the spatial restrictions is no longer valid after the April 16th date.
3. If an ITR cannot be secured for this winter year could we change the dates to say May 15th 2019 through May 15th 2021.

We are happy to have a call to discuss.

Regards

Jeff Hastings
Chairman & Chief Executive Officer

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<image001.jpg>

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--

Mary Colligan
Assistant Regional Director
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907-786-3505
cell: 907-223-5945

From: Jeff Hastings
Location: Skype Meeting
Importance: Normal
Subject: [EXTERNAL]
Start Date/Time: 2019-02-15T19:00:00-05:00
End Date/Time: 2019-02-15T19:30:00-05:00

Join Skype Meeting

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Toll-free number: 8773614628,,9072290150#

Toll number: 2064450105,,9072290150#

[Find a local number](#)

Conference ID: 9072290150

[Help](#)

To: Lemons, Patrick[patrick_lemons@fws.gov]
Cc: Jeff Hastings[jhastings@saexploration.com]; greg_siekaniec@fws.gov[greg_siekaniec@fws.gov]; mary_collgan@fws.gov[mary_collgan@fws.gov]; Rick Trupp[rtrupp@saexploration.com]; Christopher Putnam[christopher_putnam@fws.gov]
From: Forrest Burkholder
Sent: 2019-02-20T21:49:08-05:00
Importance: Normal
Subject: Re: [EXTERNAL] ITR Application
Received: 2019-02-20T21:49:14-05:00

Patrick

That's makes sense thanks.

Forrest Burkholder
VP Operations

Direct: +1.403.774.2800
Mobile: +1.403.874.7498

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Calgary, Alberta

From: Lemons, Patrick <patrick_lemons@fws.gov>
Sent: Wednesday, February 20, 2019 7:33:16 PM
To: Forrest Burkholder
Cc: Jeff Hastings; greg_siekaniec@fws.gov; Mary_collgan@fws.gov; Rick Trupp; Christopher Putnam
Subject: Re: [EXTERNAL] ITR Application

Thanks Forrest. We'll move forward with amending the analysis to include continuous activity on the access roads. The one important caveat, that shouldn't surprise you, will be that activity cannot occur before the dates of first use of the access roads as outlined in your application we received on 14 December 2018, as earlier activity would increase the impact to denning polar bears.

Let me know if that doesn't make sense, or if anything else comes up, and thanks for the quick response.

Patrick

On Wed, Feb 20, 2019 at 9:30 AM Forrest Burkholder <fburkholder@saexploration.com> wrote:

Patrick,

In response to your third question: As previously discussed, although when out East the crew will primarily use fixed wing aircraft for crew resupply it is imperative that the access trail remains available for use, either for supply of parts that cannot be flown or to help with crew resupply. For the project area that are closer to the Western boundary it is more likely that we are using the access route more regularly for resupply. We would rather not use precise amounts to allow some flexibility in support as unplanned occurrences are that require unscheduled support are expected.

Thanks,

Forrest Burkholder

VP Operations

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From: Lemons, Patrick <patrick_lemons@fws.gov>

Sent: Tuesday, February 19, 2019 6:46 PM

To: Jeff Hastings <jhastings@saexploration.com>

Cc: greg_siekaniec@fws.gov; Mary_collgan@fws.gov; Forrest Burkholder <fburkholder@saexploration.com>; Rick Trupp <rtrupp@saexploration.com>; Christopher Putnam <Christopher_Putnam@fws.gov>

Subject: Re: [EXTERNAL] ITR Application

Hi Jeff,

Thanks for your email. To respond to your first bullet point, yes you are correct, the current time required to revise the ITR and promulgate regulations would not happen until after the current tundra season and therefore is not feasible. In addition, we would be happy to discuss with you and your staff the data that was used to arrive at the preliminary determination that a late season FLIR would result in an increase in the amount of lethal or Level-A takes of polar bears. I'm leaving town on Friday for a week so perhaps we could try to have this conversation later in March.

In response to your second point of moving forward with an ITR, we will begin working to rework the ITR to update it as you've requested. This will include a two year permit window that will cover seismic activities in the winters of 2019/2020 and 2020/2021. We will also remove the spatial and temporal restrictions for the protection of denning polar bears and their cubs after the denning season is over. In other words, the spatial and temporal restrictions will end after April 18th.

I do have one important question for you. As the ITR is currently written, the access roads are only assumed to be utilized for a duration of two weeks. However, I vaguely recall that SAE may wish to use these access roads for a duration of longer than two weeks so that you may resupply your crews and camps. Because this is only relative to analyzing Level-B take, the time of year is not an issue, only the duration for which the access roads will be utilized. Can you tell us if you are expecting to use these access roads for longer than 2 weeks and if so, how long you wish to use the roads so that we can appropriately account for Level-B take, thereby covering you for those activities?

Thanks,

Patrick

On Tue, Feb 19, 2019 at 1:19 PM Jeff Hastings <jhastings@saexploration.com> wrote:

Greg, thank you for the discussion last Friday. I think we got the information we needed to assess the timing and the restrictions SAE would have for a late season effort. Just to clarify it is our understanding that

- A late season FLIR survey would cause the Level A Take number to exceed the threshold to have a no significant impact determination and therefore the only permit we could expect for this season would be a Level B Take LOA after the emergence date of April 18th. This assumes that the posting and public comment process is not delayed significantly.

- a. This timing would not allow for more and a brief period to acquire data which is not feasible.

- b. We would still like to have a conversation around the late FLIR activity causing emergence and where that data came from.

SAE would therefore like to move forward as soon as possible with a few small changes to the existing application which will provide/allow for;

1. A two year permit window which begins in May of 2019 and ends in May of 2021.
2. All activities after April 18th only have the Level B mitigations and are not subject to the temporal and spatial Level A restrictions required before that date.
 - a. If there is information or edits we need to provide please let us know.

Regards

Jeff Hastings

Chairman & Chief Executive Officer

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--

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--

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Fax: 907-786-3816
e-mail: patrick_lemons@fws.gov

To: Mouritsen, Karen[kmourits@blm.gov]
Cc: Cribley, Bud[bud_cribley@fws.gov]; Gregory Siekaniec[greg_siekaniec@fws.gov]; Joe Darnell[Joe.Darnell@sol.doi.gov]; Ted Murphy[t75murph@blm.gov]; Katharine Macgregor[kate_macgregor@ios.doi.gov]; Brian Steed[bsteed@blm.gov]; Michael Nedd[Mike_Nedd@blm.gov]; John Ruhs[jruhs@blm.gov]; Kathleen Benedetto[kathleen_benedetto@ios.doi.gov]; Timothy Spisak[tim_spisak@blm.gov]
From: Gambill, Zachariah
Sent: 2017-11-29T13:26:44-05:00
Importance: Normal
Subject: Re: O&G update
Received: 2017-11-29T13:26:54-05:00

Thank you very much. This is much appreciated.

On Wed, Nov 29, 2017 at 1:23 PM, Mouritsen, Karen <kmourits@blm.gov> wrote:

yikes, I am sorry everyone, the attachment didn't work. Here it is and please see my note below.

Karen E. Mouritsen
Acting State Director for BLM-Alaska
phone 907-271-5080
cell 202-329-2030

On Wed, Nov 29, 2017 at 9:22 AM, Mouritsen, Karen <kmourits@blm.gov> wrote:

Hello Bud,

Ted and I prepared the following estimate of how we might proceed if the legislation is enacted for the 1001 area. Please be aware that this is preliminary and an estimate only and that we have not consulted with our BLM Washington Office or ASLM yet, and that they will likely have some good ideas and input to add or change on this. We pulled from some papers we have used to develop the Integrated Activity Plan (or leasing plan) for the National Petroleum Reserve. The first couple pages addresses the IAP and on the last page is the estimate for how we would conduct the lease sales, using the BLM regs.

Karen E. Mouritsen
Acting State Director for BLM-Alaska
phone 907-271-5080
cell 202-329-2030

On Wed, Nov 29, 2017 at 7:19 AM, Mouritsen, Karen <kmourits@blm.gov> wrote:

Hi Bud, we are working on this and will get back to you
Kate, Brian, John, this is in reference to the pending legislation that would open up the 1002 section of the ANWR to oil and gas development. The pending legislation says BLM is to do the leasing and development work, using the laws and regs from the BLM's NPR-A. That would require the BLM to do a leasing plan, like our Integrated Activity Plan, and then a lease sale, etc. We are coming up with some high-level steps and a time frame that would be needed if this legislation is enacted.

Karen E. Mouritsen
Acting State Director for BLM-Alaska
phone 907-271-5080
cell 202-329-2030

On Wed, Nov 29, 2017 at 10:06 AM, Cribley, Bud <bud_cribley@fws.gov> wrote:

Karen & Geg: There is a briefing today at 2:00 pm (East Coast time) to discuss the FRN for the reg. change for exploration in the 1002. (I wasn't aware of this when we talked yesterday) Joe, I believe you are invited. So Greg we need to the timeline for the reg. change from you as soon as possible from you all this morning.
Also at that meeting Zack would like to have the chart/table that shows what we (BLM & FWS) need to do if the bill passes and the 1002 is opened to exploration, leasing, development and production. Again we need that, at the latest by 1:30 (east Coast time), 9:30 your time. I will try to send a start for you to work on.

Call with your questions.

Sorry

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

--

Zack Gambill
Advisor to FWS
U.S. Department of the Interior
1849 C Street, NW -- MIB Room 3351
Washington, DC 20240
office: 202-208-4416

NOTE: *Every email I send or receive is subject to release under the Freedom of Information Act.*

To: Greg Siekaniec[greg_siekaniec@fws.gov]; Karen Clark[karen_clark@fws.gov]
From: Mouritsen, Karen
Sent: 2017-11-29T13:28:30-05:00
Importance: Normal
Subject: Fwd: O&G update
Received: 2017-11-29T13:28:57-05:00
ANWR leasing Plan Nov 29.docx

Greg, Karen,
we have a more detailed version that we will send you with how we would work through the alternatives and impacts analysis, working with you all. But I decided to shorten the document a bit to send to DC. I will get the longer document from Ted and get to you.
ps, I missed the name of your Chief of Refuges, sorry I did not send to her.

Karen E. Mouritsen
Acting State Director for BLM-Alaska
phone 907-271-5080
cell 202-329-2030

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

From: **Mouritsen, Karen** <kmourits@blm.gov>
Date: Wed, Nov 29, 2017 at 9:23 AM
Subject: Re: O&G update
To: "Cribley, Bud" <bud_cribley@fws.gov>
Cc: Gregory Siekaniec <greg_siekaniec@fws.gov>, Joe Darnell <Joe.Darnell@sol.doi.gov>, Ted Murphy <t75murph@blm.gov>, "Gambill, Zachariah" <zachariah_gambill@fws.gov>, Katharine Macgregor <kate_macgregor@ios.doi.gov>, Brian Steed <bsteed@blm.gov>, Michael Nedd <Mike_Nedd@blm.gov>, John Ruhs <jruhs@blm.gov>, Kathleen Benedetto <kathleen_benedetto@ios.doi.gov>, Timothy Spisak <tim_spisak@blm.gov>

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cell 202-329-2030

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Kate, Brian, John, this is in reference to the pending legislation that would open up the 1002 section of the ANWR to oil and gas development. The pending legislation says BLM is to do the leasing and development work, using the laws and regs from the BLM's NPR-A. That would require the BLM to do a leasing plan, like our Integrated Activity Plan, and then a lease sale, etc. We are coming up with some high-level steps and a time frame that would be needed if this legislation is enacted.

Karen E. Mouritsen
Acting State Director for BLM-Alaska
phone 907-271-5080
cell 202-329-2030

On Wed, Nov 29, 2017 at 10:06 AM, Cribley, Bud <bud_cribley@fws.gov> wrote:

Karen & Geg: There is a briefing today at 2:00 pm (East Coast time) to discuss the FRN for the reg. change for exploration in the 1002. (I wasn't aware of this when we talked yesterday) Joe, I believe you are invited. So Greg we need to the timeline for the reg. change from you as soon as possible from you all this morning.

Also at that meeting Zack would like to have the chart/table that shows what we (BLM &

FWS) need to do if the bill passes and the 1002 is opened to exploration, leasing, development and production. Again we need that, at the latest by 1:30 (east Coast time), 9:30 your time. I will try to send a start for you to work on.

Call with your questions.

Sorry

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

To: Karen Clark[karen_clark@fws.gov]
From: Greg Siekaniec
Sent: 2017-12-04T16:38:27-05:00
Importance: Normal
Subject: Re: Monday meeting topic
Received: 2017-12-04T16:39:18-05:00

Karen,

After thinking about the question over the weekend I jotted a few notes using the Secretary priorities as the jumping off place. I put some thoughts in the note that Lesia sent to you. Thank you for covering the meeting with Steve. He may ask about morale of employees regarding Izembek. He believes an agreement with the Secretary and King Cove is getting close and may want to announce in King Cove with Gov and FWS. I would recommend a soft announcement without a big event but that's me... It's an agreement from what I understand and not the exchange so seems a bit awkward. Arctic 1002 area has employees confused with Stewardship messages but development of flagship refuge in North America. I can handle these discussions with Steve but thought I would offer a couple thoughts in case he asks.

Greg

Sent from my iPad

On Dec 1, 2017, at 2:39 PM, Karen Clark <karen_clark@fws.gov> wrote:

FYI.. let me know your thoughts.

Sent from my iPhone

Begin forwarded message:

From: "Monson, Lesia" <lesia_monson@ios.doi.gov>
Date: December 1, 2017 at 2:32:59 PM AKST
To: "Clark, Karen" <Karen_Clark@fws.gov>
Cc: Tauline Davis <tauline_davis@fws.gov>
Subject: Monday meeting topic

Hi Karen,
Just a heads up and food for thought over the weekend:
In addition to whatever other topics you and Steve discuss in your Monday meeting, Steve would like to take about 10 minutes to pick your brain about:

Information about your bureau that Steve will mention to the Secretary/Dep Secretary when he meets with Senior Leadership next week.

What are your bureau goals for next year?

Conservation Stewardship: National Fish Habitat Partnership in Alaska (from watershed restoration on Kodiak Island to the Mat Su, Kenai, and North Star Borough (Fairbanks) - Salmon... Hunting and Fishing executive order on access and opportunities, Kuskokwim Partnership (ANILCA Rural Residents and Native Communities; Sovereignty should mean something), Kenai Rule, Arctic NWR Seismic NEPA (sustainable energy and natural resource development), Strong Partnership with State Fish and Game and Governors office, Regulatory Balance; polar bears (Treaty), migratory birds/Co-management council (non edible parts rule implemented), Eskimo Walrus Commission; sovereignty..., Yukon river treaty; chinook salmon, protect people; kusko LE, NTC settlement agreement, FSB; acting like a board, infrastructure upgrades??; MMS funding?, International Porcupine Caribou Board??

What are any "burning issues" you want to highlight?

AHTNA - we are being asked about some task force the Secretary agreed to at AFN? Growing divide between the Department and Native interests from Gwitch' in (Porcupine Caribou/Arctic NWR, Yukon Delta subsistence migratory bird concerns and Izembek Land Exchange, No Regional Advisory Committee appointments is starting to bother rural residents.

Any upcoming milestones?

Any celebrations?

Achievements you want to share?

Fish Habitat Partnership has some great stats. Projects, number of partners, and opportunities. Airplane in Ted Stevens International Airport... history of success. Alaska Native Relations Training, that you have handout for, now has all DOI bureaus recognizing the value of what we are accomplishing (sovereignty should mean something).

This is informal discussion - no need to write it down.

Let me know if you have any questions.

Thank you,
Lesia

Lesia Monson
Department of the Interior
Office of the Secretary
4230 University Drive, Suite 300
Anchorage, AK 99508

907-271-5485

To: Siekaniec, Greg[greg_siekaniec@fws.gov]; Karen Clark[karen_clark@fws.gov]
From: Mouritsen, Karen
Sent: 2017-12-11T12:11:19-05:00
Importance: Normal
Subject: Re: Amended Arctic Refuge Language currently included in proposed Tax Reform
Received: 2017-12-11T12:11:46-05:00

Hi Greg, Thanks. We have not seen the most recent version of the proposed legislation, but the snippet in a Washington Post article made me think the new language might complicate things. I will have our External Affairs staff find the most recent version. I will talk to Karen C as I am thinking we should have a call or meeting middle of this week just here in the region, before people start leaving for the holidays. BLM's Washington Office isn't tracking this like FWS is, but at some point they will engage, and i'd at least like to say we've come up with a few issues.

Karen E. Mouritsen
Acting State Director for BLM-Alaska
phone 907-271-5080
cell 202-329-2030

On Mon, Dec 11, 2017 at 6:51 AM, Siekaniec, Greg <greg_siekaniec@fws.gov> wrote:

Good Morning Bud,

We have only started thinking about how this may work. Karen and I noted that this will need some thought by our organizations. Obviously this is a big lift for BLM as they have a pretty full plate already with their projects. It seems that in some crazy way we become a cooperating agency for the development portions, not sure how we fit in with the leasing portion, the exploration is not clear whether it should be permitted by us or BLM under the wholesale "development" language.

greg

On Mon, Dec 11, 2017 at 6:40 AM, Cribley, Bud <bud_cribley@fws.gov> wrote:

Greg,

Have you all had any discussions on the effect of the language change on how BLM will administer this program in the 1002?

Bud

On Mon, Dec 11, 2017 at 9:37 AM, Greg Siekaniec <greg_siekaniec@fws.gov> wrote:

Bud,

Here is what Amee provided me last week.

Greg
Sent from my iPhone

Begin forwarded message:

From: "Howard, Amee" <amee_howard@fws.gov>
Date: December 5, 2017 at 10:53:03 AM AKST
To: Gregory Siekaniec <gregory_siekaniec@fws.gov>, Karen Clark
<karen_clark@fws.gov>, Sara Boario <sara_boario@fws.gov>, Socheata Lor
<socheata_lor@fws.gov>
Subject: **Amended Arctic Refuge Language currently included in proposed Tax Reform**

Hi All,
FYI - The updated language for oil and gas development in the Coastal Plain of Arctic Refuge is attached below. Senator Murkowski's team made two minor edits to their initial language to have it passable for the Senate Parliamentarian.

Also, as reported Rep. Don Young has been named to the conference committee for tax reform and early reports from media indicate that Senator Murkowski is also hoping for a seat on the committee. I will keep you updated as more information becomes available.

Let me know if you have any questions.
Thanks so much!
Amee

--

Amee Howard
Congressional and Legislative Affairs
U.S. Fish & Wildlife Service
Anchorage, Alaska
Office: (907)786-3509
Mobile: (907)229-8575
<https://www.fws.gov/alaska/>
"Day in the Office"

--

Bud C Cribley

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

Office # 202-208-4331

Cell # 907-717-5141

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email: bud_cribley@fws.gov

To: Opstal, Daniel[dopstal@usgs.gov]
Cc: Christopher Putnam[christopher_putnam@fws.gov]; Greg Siekaniec[greg_siekaniec@fws.gov]; Paul Young[pyoung@usgs.gov]; James Hak[jhak@usgs.gov]; Noyles, Christopher[cnoyles@blm.gov]
From: Stephen Wackowski
Sent: 2017-12-18T15:20:00-05:00
Importance: Normal
Subject: Re: Polar bear den applications
Received: 2017-12-18T15:20:16-05:00

This is what I was thinking we could improve on. <https://polarbearsinternational.org/news/article-polar-bears-international/finding-dens-under-the-snow/>

BJ, the NGO scientist that worked on this is a friend and I can get him on the horn with us if it would be helpful.

Sent from my iPhone

On Dec 18, 2017, at 11:40 AM, Opstal, Daniel <dopstal@usgs.gov> wrote:

Steve,
Rodger. We talked about it here at the NCAC - that may require a low grazing angle satellite image or image pair or the use of radar. Thanks for any additional information.

Dan

Daniel W. Opstal

Executive Secretary/Team Lead
Civil Applications Committee, NCAC Reston
703-648-7858 (U)
534-5289 (S)

On Mon, Dec 18, 2017 at 2:17 PM, Wackowski, Stephen
<stephen_wackowski@ios.doi.gov> wrote:

(adding our AK FWS team) Thanks. My understanding is that those were polar bears in the open--I'm talking about maternal polar bears holed up in a den under a foot or so of snow.

Christopher- Can you send over some snapshots from airborne IR and some pictures from the ground of what it looks like from those collection means.

Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
4230 University Drive, Suite 300
Anchorage, AK 99508
907-271-5485

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Steve,

We've done something related to Polar Bear detection in the past for FWS on Wrangel Island (image pairs). Ryan Wilson at FWS is the POC for the commercial imagery requirement below (ryan_r_wilson@fws.gov; 907-786-3830). Figured you may want to speak to an analyst who has done this work directly.

Let Paul and I know what you would like briefed and we'll see what we can get done regarding volcanoes. Rick Wessels is on leave but is on call. Happy to support.

Dan
703-648-7858

>>>

FYI
J. Steven Hak
Source Operations and Management
U.S Geological Survey
jhak@usgs.gov
Phone: 703-648-6159

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

From: **Ellis (CTR), Brenda** <brenda.ellis.ctr@usgs.gov>
Date: Thu, Jul 20, 2017 at 2:36 PM
Subject: CIDR Req 1869 - Wrangel Island Polar Bear Monitoring - New collect
To: GS Commercial Requests GIMS <gs_commercial_requests_gims@usgs.gov>

Hello,

CAC PUM FWS

I will need a new collect of WV3 or WV2

Target window: Aug 1, 2017 to Sept 30, 2017 - every other week

We would like to obtain imagery every other week between the start and end dates provided. Ideally we would like to obtain imagery covering all of Wrangel Island, but this is not likely due to the high probability of cloud cover.

CIDR Req 1869 - Wrangel Island Polar Bear Monitoring

Project Name: Wrangel Island Polar Bear Monitoring
Project Description

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We are hoping to begin a monitoring program of the number of polar bears using Wrangel Island in the summer. We will build off of previous efforts that have established the ability to remotely detect polar bears on land from satellite imagery. Wrangel Island is an extremely important location for polar bears in the Chukchi Sea, providing them with their primary denning habitat, as well as areas to rest when the sea ice has retreated beyond the continental shelf in summer. Given the extreme difficulty of accessing Wrangel Island, establishing a remote monitoring program will provide us invaluable information on how polar bear land use behavior is changing as it relates to sea ice loss.

Observables
:

We will be using images to identify polar bears on land, comparing two sets of images close in time to distinguish polar bears from other landscape features (e.g., rocks, driftwood).

Notes

:

We manage the Chukchi Sea population of polar bears jointly with our Russian counterparts. under a treaty obligation. As part of that obligation, monitoring polar bears on Wrangel Island has been highlighted as an important research need for understanding the health and ecology of the population.

Lowest Spatial Resolution: 0.5ft

Spectrum

:

Black and White (Pan)

Processing

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Basic Level 1B

Data Format

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GeoTIFF

Max Cloud Cover

:

20%

License: NextView - It will be shared with individuals with the Department of the Interior (i.e., Fish and Wildlife Service, and U.S. Geological Survey), and possibly with individuals at a research university

Delivery: FTP Push to CIDR_1869

Thanks,

Brenda

Daniel W. Opstal

Executive Secretary/Team Lead

Civil Applications Committee, NCAC Reston

703-648-7858 (U)

534-5289 (S)

On Mon, Dec 18, 2017 at 1:32 PM, Wackowski, Stephen

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If we could find a way to count dens in the 10-02 area of ANWR it would be extremely useful and high vis to the secretary's office. I'm in DC this week. I may want you to come up to brief that shot I talked about near the volcano where we saw the marine mammals.

Steve Wackowski

Senior Adviser for Alaskan Affairs

Department of the Interior

4230 University Drive, Suite 300

Anchorage, AK 99508

907-271-5485

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

From: **Wackowski, Stephen** <stephen_wackowski@ios.doi.gov>

Date: Mon, Dec 18, 2017 at 1:29 PM

0000013484

Subject: Polar bear den applications

To: Christopher Noyles <christopher_noyles@blm.gov>, Christopher Putnam
<christopher_putnam@fws.gov>, Greg Siekaniec <greg_siekaniec@fws.gov>

Christopher-

Could you get us a lat/long on some confirmed PB den locations? Chris Noyles is our BLM guy at the Elmendorf SKIF. I want to see if he can use some of his capabilities to see dens using other than traditional means.

Also, we should get the rest of your marine mammal team together with him to talk about counting walrus and sea lions.

Thanks,

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Steve Wackowski
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Observables

:

0000013487

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Notes

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Civil Applications Committee, NCAC Reston

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Senior Adviser for Alaskan Affairs

Department of the Interior

4230 University Drive, Suite 300

Anchorage, AK 99508

907-271-5485

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

From: **Wackowski, Stephen** <stephen_wackowski@ios.doi.gov>

Date: Mon, Dec 18, 2017 at 1:29 PM

0000013488

Subject: Polar bear den applications

To: Christopher Noyles <christopher_noyles@blm.gov>, Christopher Putnam
<christopher_putnam@fws.gov>, Greg Siekaniec <greg_siekaniec@fws.gov>

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Also, we should get the rest of your marine mammal team together with him to talk about counting walrus and sea lions.

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Department of the Interior
4230 University Drive, Suite 300
Anchorage, AK 99508
907-271-5485

To: Wackowski, Stephen[stephen_wackowski@ios.doi.gov]
Cc: Christopher Noyles[christopher_noyles@blm.gov]; Greg Siekaniec[greg_siekaniec@fws.gov]; Lemons, Patrick[patrick_lemons@fws.gov]
From: Putnam, Christopher
Sent: 2017-12-18T20:05:41-05:00
Importance: Normal
Subject: Re: Polar bear den applications
Received: 2017-12-18T20:06:18-05:00
[ds568.pdf](#)
[ds568_appendix1.xls](#)

Hi Steve,
That sounds great. Attached is a USGS publication "Catalogue of Polar Bear (*Ursus maritimus*) Maternal Den Locations in the Beaufort Sea and Neighboring Regions, Alaska, 1910–2010" and the associated spreadsheet with the lat/long den locations.

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

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

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From: Putnam, Christopher
Sent: 2017-12-18T20:25:37-05:00
Importance: Normal
Subject: Re: Polar bear den applications
Received: 2017-12-18T20:26:07-05:00

Steve,

I don't seem to have any coordinates handy, but the FLIR survey this season has identified some hotspots on Howe, Tigvariak, and Bodkin islands. The survey is still underway after a weather delay, so there may be more. Justin is up on the slope conducting the survey, so I'd ask him if he has any locations. The PBI folks don't have any locations from us yet.

Christopher Putnam
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On Mon, Dec 18, 2017 at 4:09 PM, Wackowski, Stephen <stephen_wackowski@ios.doi.gov> wrote:

Thanks. Do you have any suspect dens that are in place now or should I get some direct from Justin Blank or the PBI guys?

Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
[4230 University Drive, Suite 300](#)
[Anchorage, AK 99508](#)
[907-271-5485](#)

On Mon, Dec 18, 2017 at 8:05 PM, Putnam, Christopher <christopher_putnam@fws.gov> wrote:

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From: Putnam, Christopher
Sent: 2017-12-18T20:36:25-05:00
Importance: Normal
Subject: Re: Polar bear den applications
Received: 2017-12-18T20:36:50-05:00
[12 Dec 13 FLIR Bodfish Island Den 1.bmp](#)
[22 Jan 14 FLIR Cottle Island Den 2.bmp](#)
[IR_0728_howe.jpg](#)
[IR_0749_howe.jpg](#)

Hi Steve,
Sure, here are some images of polar bear dens using both aerial and handheld thermal cameras.

Christopher Putnam
Supervisory Fish and Wildlife Biologist
Marine Mammals Management
U.S. Fish & Wildlife Service
1011 East Tudor Rd, MS 341
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703-648-7858

>>>

FYI
J. Steven Hak
Source Operations and Management
U.S Geological Survey
jhak@usgs.gov
Phone: 703-648-6159

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

From: **Ellis (CTR), Brenda** <brenda.ellis.ctr@usgs.gov>
Date: Thu, Jul 20, 2017 at 2:36 PM
Subject: CIDR Req 1869 - Wrangel Island Polar Bear Monitoring - New collect
To: GS Commercial Requests GIMS <gs_commercial_requests_gims@usgs.gov>

Hello,

CAC PUM FWS

I will need a new collect of WV3 or WV2

Target window: Aug 1, 2017 to Sept 30, 2017 - every other week

We would like to obtain imagery every other week between the start and end dates provided. Ideally we would like to obtain imagery covering all of Wrangel Island, but this is not likely due to the high probability of cloud cover.

CIDR Req 1869 - Wrangel Island Polar Bear Monitoring

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We will be using images to identify polar bears on land, comparing two sets of images close in time to distinguish polar bears from other landscape features (e.g., rocks, driftwood).

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License: NextView - It will be shared with individuals with the Department of the Interior (i.e., Fish and Wildlife Service, and U.S. Geological Survey), and possibly with individuals at a research university

Delivery: FTP Push to CIDR_1869

Thanks,

Brenda

Daniel W. Opstal

Executive Secretary/Team Lead

Civil Applications Committee, NCAC Reston

703-648-7858 (U)

534-5289 (S)

On Mon, Dec 18, 2017 at 1:32 PM, Wackowski, Stephen <stephen_wackowski@ios.doi.gov> wrote:

If we could find a way to count dens in the 10-02 area of ANWR it would be extremely useful and high vis to the secretary's office. I'm in DC this week. I may want you to come up to brief that shot I talked about near the volcano where we saw the marine mammals.

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Subject: Polar bear den applications

To: Christopher Noyles <christopher_noyles@blm.gov>, Christopher Putnam

<christopher_putnam@fws.gov>, Greg Siekaniec <greg_siekaniec@fws.gov>

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Cc: Opstal, Daniel[dopstal@usgs.gov]; Greg Siekaniec[greg_siekaniec@fws.gov]; Paul Young[pyoung@usgs.gov]; James Hak[jhak@usgs.gov]; Noyles, Christopher[cnoyles@blm.gov]; Lemons, Patrick[patrick_lemons@fws.gov]
From: Putnam, Christopher
Sent: 2017-12-18T20:36:25-05:00
Importance: Normal
Subject: Re: Polar bear den applications
Received: 2017-12-18T20:36:50-05:00
[12 Dec 13 FLIR Bodfish Island Den 1.bmp](#)
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From: Wackowski, Stephen
Sent: 2017-12-18T22:14:59-05:00
Importance: Normal
Subject: Re: Polar bear den applications
Received: 2017-12-18T22:15:07-05:00
[9dec15 HS1504 \(2\).jpg](#)
[9dec15 HS1504 plot.jpg](#)
[9dec15 HS1504 \(1\).jpg](#)

Here is a den I shot in my prior life two years ago.

Chris/Dan- Same den, two different look angles. IR screen caps from an MX15 midwave IR with all of the metadata (target on LRH of screen) in the capture. Not sure if you can pull archives for this, but it should get you a good picture of what we look for with infrared. In HS1504 (1) you can clearly see the delineation between frozen tundra, the coastal snow drift the bear is in, and the Beafourt Sea Ice.

We should get some current dens from my old colleague shortly.

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From: Daniel Opstal
Sent: 2017-12-20T13:04:34-05:00
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Billy,

Let us know when you want to visit and we can make arrangements (directions, passing clearance, etc.).

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> Billy Dove in the secretary's office is going to help with our

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> I am hoping the NCAC can arrange for him to come down, look at some of

> the capabilities and report back to us on what findings you guys may

> think we have.

>

> In the meantime we should try and find a biologist at USFWS or USGS

> that has a clearance.

>

> Christopher- Hoping by some odd chance you were able to keep your

> (b) (6). If not we should look at getting you or one of

> your team one if this thing proves out.

>

>

> Best,

>

> Steve

>

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CAC Exec Sec

Sent from my iPhone

> On Dec 20, 2017, at 11:34 AM, Wackowski, Stephen <stephen_wackowski@ios.doi.gov> wrote:

>

> Chris/Dan-

>

> Billy Dove in the secretary's office is going to help with our
> project. His clearance just got moved into the civilian bucket here so
> I am hoping the NCAC can arrange for him to come down, look at some of
> the capabilities and report back to us on what findings you guys may
> think we have.

>

> In the meantime we should try and find a biologist at USFWS or USGS
> that has a clearance.

>

> Christopher- Hoping by some odd chance you were able to keep your
> military clearance. If not we should look at getting you or one of
> your team one if this thing proves out.

>

>

> Best,

>

> Steve

>

>

>

> Steve Wackowski
> Senior Adviser for Alaskan Affairs
> Department of the Interior
> 4230 University Drive, Suite 300
> Anchorage, AK 99508
> 907-271-5485
>
>
>> On Mon, Dec 18, 2017 at 9:55 PM, Christopher Noyles <cnoyles@blm.gov> wrote:
>> Christopher,
>>
>> I have a fair amount of experience with FLIR system. For clarification,
>> since not all FLIRS are created equal, are the coordinates on the screen the
>> position of the aircraft or the calculated coordinate based on the slant
>> range of where the system is looking?
>>
>> Sent from my iPad
>>
>> On Dec 18, 2017, at 4:36 PM, Putnam, Christopher
>> <christopher_putnam@fws.gov> wrote:
>>
>> Hi Steve,
>>
>> Sure, here are some images of polar bear dens using both aerial and handheld
>> thermal cameras.
>>
>>
>>
>> Christopher Putnam
>> Supervisory Fish and Wildlife Biologist
>> Marine Mammals Management
>> U.S. Fish & Wildlife Service
>> 1011 East Tudor Rd, MS 341
>> Anchorage, AK 99503-6199
>> 907-786-3844 office
>> 907-268-0577 mobile
>> 907-786-3816 fax
>>
>> "All that is gold does not glitter, not all those who wander are lost; the
>> old that is strong does not wither, deep roots are not reached by the
>> frost."
>> -- J.R.R. Tolkien
>>
>> On Mon, Dec 18, 2017 at 10:17 AM, Wackowski, Stephen
>> <stephen_wackowski@ios.doi.gov> wrote:
>>>
>>> (adding our AK FWS team) Thanks. My understanding is that those were polar
>>> bears in the open--I'm talking about maternal polar bears holed up in a den
>>> under a foot or so of snow.
>>>
>>> Christopher- Can you send over some snapshots from airborne IR and some
>>> pictures from the ground of what it looks like from those collection means.
>>>
>>>
>>> Steve Wackowski
>>> Senior Adviser for Alaskan Affairs

>>> Department of the Interior
>>> 4230 University Drive, Suite 300
>>> Anchorage, AK 99508
>>> 907-271-5485
>>>
>>>> On Mon, Dec 18, 2017 at 2:12 PM, Opstal, Daniel <dopstal@usgs.gov> wrote:
>>>>
>>>> Steve,
>>>>
>>>> We've done something related to Polar Bear detection in the past for FWS
>>>> on Wrangel Island (image pairs). Ryan Wilson at FWS is the POC for the
>>>> commercial imagery requirement below (ryan_r_wilson@fws.gov; 907-786-3830).
>>>> Figured you may want to speak to an analyst who has done this work directly.
>>>>
>>>> Let Paul and I know what you would like briefed and we'll see what we can
>>>> get done regarding volcanoes. Rick Wessels is on leave but is on call.
>>>> Happy to support.
>>>>
>>>> Dan
>>>> 703-648-7858
>>>>
>>>>>>>
>>>>
>>>> FYI
>>>> J. Steven Hak
>>>> Source Operations and Management
>>>> U.S Geological Survey
>>>> jhak@usgs.gov
>>>> Phone: 703-648-6159
>>>>
>>>> ----- Forwarded message -----
>>>> From: Ellis (CTR), Brenda <brenda.ellis.ctr@usgs.gov>
>>>> Date: Thu, Jul 20, 2017 at 2:36 PM
>>>> Subject: CIDR Req 1869 - Wrangel Island Polar Bear Monitoring - New
>>>> collect
>>>> To: GS Commercial Requests GIMS <gs_commercial_requests_gims@usgs.gov>
>>>>
>>>> Hello,
>>>>
>>>> CAC PUM FWS
>>>>
>>>> I will need a new collect of WV3 or WV2
>>>>
>>>> Target window: Aug 1, 2017 to Sept 30, 2017 - every other week
>>>>
>>>> We would like to obtain imagery every other week between the start and
>>>> end dates provided. Ideally we would like to obtain imagery covering all of
>>>> Wrangel Island, but this is not likely due to the high probability of cloud
>>>> cover.
>>>>
>>>> CIDR Req 1869 - Wrangel Island Polar Bear Monitoring
>>>>
>>>> Project Name: Wrangel Island Polar Bear Monitoring
>>>> Project Description
>>>> :
>>>> We are hoping to begin a monitoring program of the number of polar bears

>>>> using Wrangel Island in the summer. We will build off of previous efforts
>>>> that have established the ability to remotely detect polar bears on land
>>>> from satellite imagery. Wrangel Island is an extremely important location
>>>> for polar bears in the Chukchi Sea, providing them with their primary
>>>> denning habitat, as well as areas to rest when the sea ice has retreated
>>>> beyond the continental shelf in summer. Given the extreme difficulty of
>>>> accessing Wrangel Island, establishing a remote monitoring program will
>>>> provide us invaluable information on how polar bear land use behavior is
>>>> changing as it relates to sea ice loss.
>>>>
>>>> Observables
>>>> :
>>>> We will be using images to identify polar bears on land, comparing two
>>>> sets of images close in time to distinguish polar bears from other landscape
>>>> features (e.g., rocks, driftwood).
>>>>
>>>> Notes
>>>> :
>>>> We manage the Chukchi Sea population of polar bears jointly with our
>>>> Russian counterparts. under a treaty obligation. As part of that obligation,
>>>> monitoring polar bears on Wrangel Island has been highlighted as an
>>>> important research need for understanding the health and ecology of the
>>>> population.
>>>>
>>>> Lowest Spatial Resolution: 0.5ft
>>>> Spectrum
>>>> :
>>>> Black and White (Pan)
>>>> Processing
>>>> :
>>>> Basic Level 1B
>>>> Data Format
>>>> :
>>>> GeoTIFF
>>>> Max Cloud Cover
>>>> :
>>>> 20%
>>>> License: NextView - It will be shared with individuals with the
>>>> Department of the Interior (i.e., Fish and Wildlife Service, and U.S.
>>>> Geological Survey), and possibly with individuals at a research university
>>>>
>>>> Delivery: FTP Push to CIDR_1869
>>>>
>>>> Thanks,
>>>> Brenda
>>>>
>>>> Daniel W. Opstal
>>>> Executive Secretary/Team Lead
>>>> Civil Applications Committee, NCAC Reston
>>>> 703-648-7858 (U)
>>>> 534-5289 (S)
>>>>
>>>> On Mon, Dec 18, 2017 at 1:32 PM, Wackowski, Stephen
>>>> <stephen_wackowski@ios.doi.gov> wrote:
>>>>
>>>>> If we could find a way to count dens in the 10-02 area of ANWR it would

>>>>> be extremely useful and high vis to the secretary's office. I'm in DC this
>>>>> week. I may want you to come up to brief that shot I talked about near the
>>>>> volcano where we saw the marine mammals.
>>>>>
>>>>>
>>>>> Steve Wackowski
>>>>> Senior Adviser for Alaskan Affairs
>>>>> Department of the Interior
>>>>> 4230 University Drive, Suite 300
>>>>> Anchorage, AK 99508
>>>>> 907-271-5485
>>>>>
>>>>> ----- Forwarded message -----
>>>>> From: Wackowski, Stephen <stephen_wackowski@ios.doi.gov>
>>>>> Date: Mon, Dec 18, 2017 at 1:29 PM
>>>>> Subject: Polar bear den applications
>>>>> To: Christopher Noyles <christopher_noyles@blm.gov>, Christopher Putnam
>>>>> <christopher_putnam@fws.gov>, Greg Siekaniec <greg_siekaniec@fws.gov>
>>>>>
>>>>>
>>>>> Christopher-
>>>>>
>>>>> Could you get us a lat/long on some confirmed PB den locations? Chris
>>>>> Noyles is our BLM guy at the Elmendorf SKIF. I want to see if he can use
>>>>> some of his capabilities to see dens using other than traditional means.
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>>>>> Also, we should get the rest of your marine mammal team together with
>>>>> him to talk about counting walrus and sea lions.
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>>>>> Thanks,
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>>>>> Steve
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>>>>>
>>>>> Steve Wackowski
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>>>>>
>>>>>
>>>>>
>> <12 Dec 13 FLIR Bodfish Island Den 1.bmp>
>>
>> <22 Jan 14 FLIR Cottle Island Den 2.bmp>
>>
>> <IR_0728_howe.jpg>
>>
>> <IR_0749_howe.jpg>

To: Siekaniec, Greg[greg_siekaniec@fws.gov]
From: Mary Colligan
Sent: 2017-12-20T23:00:04-05:00
Importance: Normal
Subject: Re: [*EXT*] Re: Polar bear den applications
Received: 2017-12-20T23:00:06-05:00

Thanks-apparently we aren't the only ones confused

Sent from my iPhone

On Dec 20, 2017, at 5:14 PM, Siekaniec, Greg <greg_siekaniec@fws.gov> wrote:

FYI

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

From: **Stephen Wackowski** <stephen_wackowski@ios.doi.gov>
Date: Wed, Dec 20, 2017 at 5:13 PM
Subject: Re: [*EXT*] Re: Polar bear den applications
To: "Noyles, Christopher" <cnoyles@blm.gov>, Lesia Monson
<lesia_monson@ios.doi.gov>
Cc: Justin Blank <justin.blank@fairweather.com>, William Dove
<william_dove@ios.doi.gov>, "Putnam, Christopher"
<christopher_putnam@fws.gov>, "Opstal, Daniel" <dopstal@usgs.gov>,
Christopher Noyles <christopher_noyles@blm.gov>, Greg Siekaniec
<greg_siekaniec@fws.gov>, "Lemons, Patrick" <patrick_lemons@fws.gov>

Lesia in my office can set up a time.

Sent from my iPhone

On Dec 20, 2017, at 5:42 PM, Noyles, Christopher <cnoyles@blm.gov> wrote:

All,
Happy Holidays!

I think we should arrange a conference call at a time that accommodates all of us.

I recognize this is a significant challenge. I've been down this road once before many years ago with very limited results. We did some data review with Steven Amstrup. Weather consideration as those on the email chain can already attest are significant factor. Additionally, the signatures are small and not always well defined. In short, it's a challenge and I look forward to addressing with a new team, sensors and techniques.

A polar bear expert I am not so, we will need to understand their den activity and movements a bit. This will help us define expectations and consider additional sensors and new techniques for inquiry.

Cheers,

Chris

Christopher C. Noyles
Civil Applications Committee - Alaska Liaison
US Department of Interior/Bureau of Land Management
Alaska State Office, Division of Support Services
222 West 7th Ave # 13, Anchorage AK 99513
Phone: (907) 271-5693
Personal Cell: (907) 854-8896
FAX: (907) 271-3118
email: cnoyles@blm.gov

Click on this button to take a short survey and tell my boss how I'm
doing [<Vote_Button_sm.ico>](#)

On Wed, Dec 20, 2017 at 9:17 AM, Justin Blank [<justin.blank@fairweather.com>](mailto:justin.blank@fairweather.com)
wrote:

No problem. Yes the weather has been unusually warm and there is more snow than anyone has seen in years. It took me 18 days to work around weather enough to get in seven flights, but we got 'er done. I am not heading back up. Thanks.

Justin Blank

Operations Supervisor/Senior Scientist
Fairweather Science, LLC.

Justin.Blank@fairweather.com

(907) 252-7826-cell

(907) 267-4612-direct

On Wed, Dec 20, 2017 at 7:30 AM, Wackowski, Stephen
[<stephen_wackowski@ios.doi.gov>](mailto:stephen_wackowski@ios.doi.gov) wrote:

Justin-

Thanks for the quick turn on this. I'll let you know what our results are. I think PBI may be able to give us some collard bear locations for dens in Svalbard, which should help us prove that out as well.

From the screen shot and facebook it looks like the weather wan't helpful this season, are you heading back up?

-Steve

Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
4230 University Drive, Suite 300
Anchorage, AK 99508
907-271-5485

On Tue, Dec 19, 2017 at 6:29 PM, Justin Blank

<justin.blank@fairweather.com> wrote:

> Hi Steve,
> Here are the 2 best locations we found. Howe and Bodfish. In both of these
> images the bears were actually on the surface and appeared to be working on
> den construction. I reflew Howe on Dec 7 after a HUGE storm, and Bodfish on
> Dec 17 after 2 big storms and I was not able to re-acquire either den. So
> either they are tucked in nice and the heat hadn't made it's way back to the
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> As you know the best coordinates are on the right under LRF Target. Thanks.
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>> locations on the barrier islands? Or if you have any on your client's leases
>> that they would be willing to share? Extra credit if you can include IR
>> screen caps. This is for a FWS/USGS/BLM science experiment we are running
>> with satellites. We will keep your hot spot locations confidential to US gov
>> only.

>>

>> Thanks,

>>
>> Wacko
>>
>>
>>
>> Steve Wackowski
>> Senior Adviser for Alaskan Affairs
>> Department of the Interior
>> 4230 University Drive, Suite 300
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>>>>> Steve

>>>>>

>>>>>

>>>>>

>>>>> Steve Wackowski

>>>>> Senior Adviser for Alaskan Affairs

>>>>> Department of the Interior

>>>>> 4230 University Drive, Suite 300

>>>>> Anchorage, AK 99508

>>>>> 907-271-5485

>>>>>

>>>>>

>>>>

>>>

>>

>

To: Davis, Tauline[tauline_davis@fws.gov]
Cc: Siekaniec, Greg[greg_siekaniec@fws.gov]
From: Monson, Lesia
Sent: 2017-12-21T14:27:03-05:00
Importance: Normal
Subject: Re: Doodle poll: Polar bear den applications
Received: 2017-12-21T14:27:54-05:00

Sounds good - and I was thinking of it as a teleconference, but if there are enough folks available in person we'd be grateful for the use of your conference room.
Thanks!

Lesia Monson
Department of the Interior
Office of the Secretary
4230 University Drive, Suite 300
Anchorage, AK 99508
907-271-5485

On Thu, Dec 21, 2017 at 10:04 AM, Davis, Tauline <tauline_davis@fws.gov> wrote:

got it - ok I did the doodle for Greg however if the meeting is here I can add more available times. Lesia when we know what date works Ill book a room.

On Thu, Dec 21, 2017 at 9:52 AM, Siekaniec, Greg <greg_siekaniec@fws.gov> wrote:

Lesia,
Given the number of people that will likely be attending I offered our facility here at the FWS. Steve agreed that it would be good to host it here in the Regional Office. I'm copying Tauline with this note so she can be looped in as well.

greg

On Thu, Dec 21, 2017 at 8:33 AM, Monson, Lesia <lesia_monson@ios.doi.gov> wrote:

Hi all,
With so many people involved and the holiday season upon us, I decided to create a Doodle poll to see if we can pull this conference call together in the next couple of weeks. If not, we can look at dates later in January.

Please provide your availability in this link:
<https://doodle.com/poll/whvrkx2cy7pm4dqg>

Thank you,
Lesia

Lesia Monson

Department of the Interior
Office of the Secretary
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>> Steve Wackowski
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>>>> Senior Adviser for Alaskan Affairs

>>>> Department of the Interior

>>>> 4230 University Drive, Suite 300

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>>>> 907-271-5485

>>>>

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>>>> <christopher_putnam@fws.gov> wrote:

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>>>>> HI Steve,

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>>>>> Bear (*Ursus maritimus*) Maternal Den Locations in the Beaufort Sea and
>>>>> Neighboring Regions, Alaska, 1910–2010" and the associated spreadsheet with
>>>>> the lat/long den locations.

>>>>>

>>>>>

--

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

To: Wackowski, Stephen[stephen_wackowski@ios.doi.gov]
Cc: Jason Larrabee[jason_larrabee@ios.doi.gov]; Greg Siekaniec[greg_siekaniec@fws.gov]; Travnicek, Andrea[andrea_travnicek@ios.doi.gov]; William Werkheiser[whwerkhe@usgs.gov]; Applegate, David[applegate@usgs.gov]; Kinsinger, Anne[akinsinger@usgs.gov]; Christian Zimmerman[czimmerman@usgs.gov]
From: Devaris, Aimee
Sent: 2017-12-21T21:23:02-05:00
Importance: Normal
Subject: Re: Polar bear den habitat in 1002
Received: 2017-12-21T21:23:16-05:00
[Durner etal 2006.pdf](#)
[polarbear maternal denning habitat in the ANWR1002 area 21Dec17.pdf](#)

Hi Steve,

I spoke with Greg Siekaniec today and let him know I would respond. Andrea Travnecik made a similar request to our HQ, so I'm looping everyone in to ensure coordination.

In 2006, USGS published a paper (Durner et al. 2006) describing denning habitats of polar bears in the Arctic National Wildlife Refuge. The paper contains a map of the entire ANWR, not just the 10-02 area. So we used a shapefile of the 10-02 area (from FWS) to calculate the linear distance of the habitat (per the published paper) within the 10-02 area to meet this request. The paper is attached as well as the map we generated.

We have more recent publications on this topic, but the 2006 paper was the best way to answer your specific question. If interested, we can provide you with other references. For example, a 2017 paper by Olson et al. describes the increase in the frequency of land-based denning over time along the Southern Beaufort.

I also understand from Greg that his staff is working to develop a plan to initiate additional polar bear den survey work in the 10-02 in the near term. Our polar bear scientists are providing input to that discussion as well.

Let me know if you need something else at this time.

Thanks,
Aimee

On Thu, Dec 21, 2017 at 6:59 AM, Wackowski, Stephen <stephen_wackowski@ios.doi.gov> wrote:

George/Christopher-

Can you please get us an linear estimate of polar bear den habitat and a map with your habitat shape files overlayed on the 10-02 area?

Just looking for your DEM data that meet the preferred habitat threshold.

Thanks,

Steve

Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
4230 University Drive, Suite 300
Anchorage, AK 99508
907-271-5485

--

Aimee M. Devaris
Regional Director
U.S. Geological Survey
4210 University Drive
Anchorage, Alaska
907-786-7055

To: Siekaniec, Greg[greg_siekaniec@fws.gov];
stephen_wackowski@ios.doi.gov[stephen_wackowski@ios.doi.gov]
From: Aimee Devaris
Sent: 2017-12-22T12:52:20-05:00
Importance: Normal
Subject: Re: Polar bear den habitat in 1002
Received: 2017-12-22T12:52:27-05:00

Same here. Thanks, Steve.
Aimee

Sent from my iPhone

On Dec 22, 2017, at 8:35 AM, Siekaniec, Greg <greg_siekaniec@fws.gov> wrote:

Much appreciated Steve as this is weighing pretty heavy on me right now given recent budget news and out-year forecasting. I have folks thinking about this already.
Greg

On Fri, Dec 22, 2017 at 8:30 AM, Wackowski, Stephen
<stephen_wackowski@ios.doi.gov> wrote:

Beyond the survey work we need to have an honest, unfiltered discussion about what resources (budget, FTEs, and/or contracts) you both will need in the next 3 years for this undertaking. I want to get moving on this part now, now while we have momentum.

Think about it over the holiday and lets chat. Once I know what you need I will carry it direct to leadership.

Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
4230 University Drive, Suite 300
Anchorage, AK 99508
907-271-5485

On Fri, Dec 22, 2017 at 12:20 PM, Greg Siekaniec <greg_siekaniec@fws.gov> wrote:

Steve,
I believe your intent and understanding is correct regarding information we will need for polar bear associated surface and seismic exploration prior to lease sales.

Our polar bear team here in the Service is reaching out to USGS and other experts to

determine how to best complete and provide the information that will assist in planning and permitting with current data so we can avoid challenges to scientific understanding.

The message was very clear yesterday from the principle Deputy Assistant Secretary that the Department anticipated data collection to be a top priority concerning the status of polar bear. We are working to get the requested plan together.

I trust your travels have you back in Alaska and look forward to conversations around this and other implications of the recent legislation.

Best,

Greg

Sent from my iPhone

On Dec 22, 2017, at 8:00 AM, Wackowski, Stephen <stephen_wackowski@ios.doi.gov> wrote:

Thanks. UAS would be great for this--not sure we would be able to get authorizations in place by this year but something we need to consider going forward. The area estimate can wait until after Christmas.

Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
4230 University Drive, Suite 300
Anchorage, AK 99508
907-271-5485

On Fri, Dec 22, 2017 at 11:58 AM, Aimee Devaris <adevaris@usgs.gov> wrote:

Hi Steve,
A lot of folks are on leave at this point, but we will try to find a GIS user to calculate the area you requested today. Otherwise we will get it to you after the holidays.

I'll leave the other questions to FWS. But just a thought — perhaps this is an opportunity to develop UAV methods for this type of survey work.

Aimee

Sent from my iPhone

On Dec 22, 2017, at 6:15 AM, Wackowski, Stephen
<stephen_wackowski@ios.doi.gov> wrote:

Thanks Aimee. This is helpful. Before we get too far down the survey road I just want clarify some leadership intent here--FWS/USGS team please chime in if we are off base here.

Knowing that we have direction to hold a lease sale from Congress less than four years from now, we need to have better data on den density and denning patterns, as that will inform any NEPA or ESA processes that we may be required to do. We have good mitigation procedures and good baseline data for dens in Prudhoe, the Colville river delta, and NPRA, but denning patterns in 10-02 aren't as studied or scrutinized to the standard that the rest of the oil patch is.

Some assumptions:

- Airborne IR den sweeps are currently best available technology to detect and map dens over large area swaths.
- We should be starting a yearly survey of dens in the 10-02 to get good baseline data to inform our management decisions.
- We still have time to go in this year to do a survey

Questions on the map I have: Normally FWS only made us go 10 or so miles from the Coast down river/stream beds to detect dens. Are we asserting there is PB denning habitat all the way to the southern border of 10-02? Would we want to go all the way south this year just to confirm that assertion?

One more request. Could you put a one mile buffer on either side of those shape file habitat lines and tell me total area of that?

Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
4230 University Drive, Suite 300
Anchorage, AK 99508
907-271-5485

On Thu, Dec 21, 2017 at 9:23 PM, Devaris, Aimee <adevaris@usgs.gov>
wrote:

Hi Steve,
I spoke with Greg Siekaniec today and let him know
I would respond. Andrea Travnecik made a similar
request to our HQ, so I'm looping everyone in to
ensure coordination.

In 2006, USGS published a paper (Durner et al. 2006) describing denning habitats of polar bears
in the Arctic National Wildlife Refuge. The paper contains a map
of the entire ANWR, not just the 10-02 area. So we used a
shapefile of the 10-02 area (from FWS) to calculate the linear
distance of the habitat (per the published paper) within the 10-02
area to meet this request. The paper is attached as well as the map
we generated.

We have more recent publications on this topic, but the 2006 paper was the best way to answer
your specific question. If interested, we can provide you with other
references. For example, a 2017 paper by Olson et al. describes the
increase in the frequency of land-based denning over time along the
Southern Beaufort.

I also understand from Greg that his staff is working to develop a plan to
initiate additional polar bear den survey work in the
10-02 in the near term. Our polar bear scientists are
providing input to that discussion as well.

Let me know if you need something else at this time.

Thanks,
Aimee

On Thu, Dec 21, 2017 at 6:59 AM, Wackowski, Stephen
<stephen_wackowski@ios.doi.gov> wrote:

George/Christopher-

Can you please get us an linear estimate of polar bear den habitat and

a map with your habitat shape files overlayed on the 10-02 area?

Just looking for your DEM data that meet the preferred habitat threshold.

Thanks,

Steve

Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
4230 University Drive, Suite 300
Anchorage, AK 99508
907-271-5485

--

Aimee M. Devaris
Regional Director
U.S. Geological Survey
4210 University Drive
Anchorage, Alaska
907-786-7055

To: Siekaniec, Greg[greg_siekaniec@fws.gov]
From: Mouritsen, Karen
Sent: 2017-12-29T14:27:14-05:00
Importance: Normal
Subject: Re: Arctic National Wildlife Refuge
Received: 2017-12-29T14:27:41-05:00

funny i was just reading the section of ANILCA that the new law amends, on the purposes of the refuge, because I am about to tell the staff to add that to our memo. (Which needs a lot of work) Thank you for the marked up version of ANILCA and the regs.

I have someone pasting all our regs into one document to send to you.

I am also going to find out the status of a meeting that we discussed over, right before Christmas. We wanted to get BLM and FWS staff together for a "workshop" to talk about how we operate in NPR-A. I heard they were starting to call your people but didn't hear if it got scheduled. I will get that going again if it is not scheduled.

I will send you our memo but it will likely be later today as we are still fussing over it.

Thanks, Karen

Karen E. Mouritsen
Acting State Director for BLM-Alaska
phone 907-271-5080
cell 202-329-2030

On Fri, Dec 29, 2017 at 8:44 AM, Siekaniec, Greg <greg_siekaniec@fws.gov> wrote:

Good Morning Karen,

Thank you for the call yesterday. I appreciate hearing what you glean from discussions with DOI solicitors concerning the recent language about the coastal plain and Arctic Refuge.

Just for your info as I'm sure you have already been provided with the appropriate language concerning the refuge establishment (purposes) and our regulation governing exploration I'm attaching a document I pulled together with the new purpose of oil and gas program.

I think we will still be obligated to consider the refuge purposes when planning, exploration, and development is being considered.

The regulations may well be moot if "similar" to NPRA regs become a requirement to develop new.

Also, I wonder if we should have some FWS and BLM staff take a look at the two regs for "similar" requirements so we will know what is or is not considered that may be important given the status as a National Wildlife Refuge.

Best,
greg

To: Greg Siekaniec[greg_siekaniec@fws.gov]
From: Mouritsen, Karen
Sent: 2017-12-29T16:57:26-05:00
Importance: Normal
Subject: Fwd: Regulations take 2
Received: 2017-12-29T16:57:57-05:00
[Regulations.docx](#)
[Naval Petroleum Reserves Production Act of 1976.pdf](#)
[NPRPA 1980 Amendment.pdf](#)

Hi Greg, here are our regulations and laws. We are still working on the memo. I did talk to our Deputy Director for Operations who gave me a bit more information on what our new Assistant Secretary is looking for. I will call you

Karen E. Mouritsen
Acting State Director for BLM-Alaska
phone 907-271-5080
cell 202-329-2030

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

From: Hayes, Miriam (Nicole) <mnhayes@blm.gov>
Date: Fri, Dec 29, 2017 at 12:51 PM
Subject: Regulations take 2
To: Karen Mouritsen <kmourits@blm.gov>

Hi Karen,
I included Part 3150 and Subpart 3152, the web links to FLPMA and the EPA of 2005, and am attaching the pdf of the NPRPA of 1976 and the 1980 amendment since those are harder to track electronically.

Please let me know if I've missed anything...

Nicole

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

To: Greg Siekaniec[greg_siekaniec@fws.gov]
From: Mouritsen, Karen
Sent: 2017-12-31T16:18:25-05:00
Importance: Normal
Subject: paper
Received: 2017-12-31T16:18:51-05:00
BLM Alaska BP ANWR 1002 O&G program 12 31 Karen.docx

Hi Greg, this took a bit longer to edit than it should have. If you have time this weekend, take a look..If not (it is a holiday weekend!) I am sure my washington office will ask for revisions on Tuesday and I can add your thoughts then. Thank you and Happy New Year ! .
ps I decided to try to keep it simple .

Karen E. Mouritsen
Acting State Director for BLM-Alaska
phone 907-271-5080
cell 202-329-2030

To: Mouritsen, Karen[kmourits@blm.gov]
From: Greg Siekaniec
Sent: 2018-01-02T11:43:14-05:00
Importance: Normal
Subject: Re: paper
Received: 2018-01-02T11:44:21-05:00

Best with the meeting today. I agree with the side-by-side comparison so we are informed in the “similar” and what we may be required to consider due to our Refuge purposes.

Greg

Sent from my iPhone

On Jan 2, 2018, at 6:56 AM, Mouritsen, Karen <kmourits@blm.gov> wrote:

Thank you Greg. At 10:30 today I have a telephone call with our Acting Director, and I'll let you know if the direction changes. I also have to find out how many people should be on the team (I am inclined to estimate high) and I am going to try to find out this morning what kind of information BLM had on polar bears when they did the seismic permit last winter. I saw a stipulation in the EA about the one mile buffer but I don't know how they had the info. I'll let you know Also, I am going to ask our Minerals Group to look at the geophysical regulations from both BLM and FWS and make a side-by-side comparison chart . I think your regs are a bit more detailed than ours, but i bet we have the same type of direction in our permits. I think a comparison of the regs will really help, especially if we end up needing to write new ones. After the geophysical, they can start on the other regs.

I am going to find someone around the office today who can respond to Socheata about the group who met on the information needs. We still have a lot of people out this week but I want to get a meeting scheduled so we can get things rolling.
Thank you, Karen

Karen E. Mouritsen
Acting State Director for BLM-Alaska
phone 907-271-5080
cell 202-329-2030

On Tue, Jan 2, 2018 at 10:21 AM, Greg Siekaniec <greg_siekaniec@fws.gov> wrote:

Good Morning Karen,
I quickly read the attached and find it very appropriate at this time. Good

questions that need some opinion from our legal team. Thank you for referencing the tribal consultations and Subsistence considerations. We are developing an information need around polar bear that will inform any permitting for geophysical and development as we go through the EIS development.

The timeline seems okay and will be clearer when we get some opinion on the question raised such as “similar” to NPRA regulations.

I’m in the office today through Thursday should you wish to discuss.

Greg

Sent from my iPhone

On Dec 31, 2017, at 12:18 PM, Mouritsen, Karen <kmourits@blm.gov> wrote:

Hi Greg, this took a bit longer to edit than it should have. If you have time this weekend, take a look..If not (it is a holiday weekend!) I am sure my washington office will ask for revisions on Tuesday and I can add your thoughts then. Thank you and Happy New Year ! .
ps I decided to try to keep it simple .

Karen E. Mouritsen
Acting State Director for BLM-Alaska
phone 907-271-5080
cell 202-329-2030

<BLM Alaska BP ANWR 1002 O&G program 12 31 Karen.docx>

To: Bud Cribley[bud_cribley@fws.gov]
From: Siekaniec, Greg
Sent: 2018-01-03T13:40:34-05:00
Importance: Normal
Subject: Fwd: BLM Alaska ANWR 1002 Oil and Gas Program BP
Received: 2018-01-03T13:40:45-05:00
BLM Alaska BP ANWR 1002 O&G Program (Jan 2 2018) AKSO Final.docx

FYI

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

From: Mouritsen, Karen <kmourits@blm.gov>
Date: Wed, Jan 3, 2018 at 9:24 AM
Subject: Fwd: BLM Alaska ANWR 1002 Oil and Gas Program BP
To: Greg Siekaniec <greg_siekaniec@fws.gov>

here's the final memo

Karen E. Mouritsen
Acting State Director for BLM-Alaska
phone 907-271-5080
cell 202-329-2030

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

From: Thurn, Linda <lthurn@blm.gov>
Date: Wed, Jan 3, 2018 at 9:19 AM
Subject: Re: BLM Alaska ANWR 1002 Oil and Gas Program BP
To: "Mouritsen, Karen" <kmourits@blm.gov>
Cc: Eileen Frost <efrost@blm.gov>

Karen,

Thank you for being able to accommodate ASLM's request to hold the briefing today. Mike had some minor changes to the briefing paper. He changed the "From:" line on page 1 and he added "A waiver under SO 3359 may be needed" on page 3 above the tentative milestones. An updated BP is attached this email.

Thanks again,
Linda

On Wed, Jan 3, 2018 at 11:28 AM, Mouritsen, Karen <kmourits@blm.gov> wrote:

Linda, this is the version of the paper - I sent this last night. The file name has Jan. 2 on it. I don't want to use the one I sent on New Year's Day, dated Jan. 1.
Thank you so much, Karen

Karen E. Mouritsen
Acting State Director for BLM-Alaska
phone 907-271-5080
cell 202-329-2030

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

From: **Mouritsen, Karen** <kmourits@blm.gov>

Date: Tue, Jan 2, 2018 at 5:41 PM

Subject: Fwd: BLM Alaska ANWR 1002 Oil and Gas Program BP

To: Brian Steed <bsteed@blm.gov>, Michael Nedd <mnedd@blm.gov>, Peter Mali
<pmali@blm.gov>, Timothy Shannon <tshannon@blm.gov>, Timothy Spisak
<tspisak@blm.gov>, Stephanie Miller <smiller@blm.gov>, Kelly Orr <korr@blm.gov>

Cc: Ted Murphy <t75murph@blm.gov>, Lesli Ellis-Wouters <lellis@blm.gov>, Serena Sweet
<ssweet@blm.gov>

Hello, please find the paper and the attachments for the ANWR briefing for ASLM, which is on Thursday. Thank you and Happy New Year.

Karen E. Mouritsen
Acting State Director for BLM-Alaska
phone 907-271-5080
cell 202-329-2030

To: Mouritsen, Karen[kmourits@blm.gov]
From: Siekaniec, Greg
Sent: 2018-01-03T14:59:28-05:00
Importance: Normal
Subject: Re: BLM Alaska ANWR 1002 Oil and Gas Program BP
Received: 2018-01-03T14:59:38-05:00

Thanks Karen

On Wed, Jan 3, 2018 at 9:24 AM, Mouritsen, Karen <kmourits@blm.gov> wrote:

here's the final memo

Karen E. Mouritsen
Acting State Director for BLM-Alaska
phone 907-271-5080
cell 202-329-2030

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

From: **Thurn, Linda** <lthurn@blm.gov>
Date: Wed, Jan 3, 2018 at 9:19 AM
Subject: Re: BLM Alaska ANWR 1002 Oil and Gas Program BP
To: "Mouritsen, Karen" <kmourits@blm.gov>
Cc: Eileen Frost <efrost@blm.gov>

Karen,

Thank you for being able to accommodate ASLM's request to hold the briefing today. Mike had some minor changes to the briefing paper. He changed the "From:" line on page 1 and he added "A waiver under SO 3359 may be needed" on page 3 above the tentative milestones. An updated BP is attached this email.

Thanks again,
Linda

On Wed, Jan 3, 2018 at 11:28 AM, Mouritsen, Karen <kmourits@blm.gov> wrote:

Linda, this is the version of the paper - I sent this last night. The file name has Jan. 2 on it. I don't want to use the one I sent on New Year's Day, dated Jan. 1.
Thank you so much, Karen

Karen E. Mouritsen
Acting State Director for BLM-Alaska
phone 907-271-5080

cell 202-329-2030

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

From: **Mouritsen, Karen** <kmourits@blm.gov>

Date: Tue, Jan 2, 2018 at 5:41 PM

Subject: Fwd: BLM Alaska ANWR 1002 Oil and Gas Program BP

To: Brian Steed <bsteed@blm.gov>, Michael Nedd <mnedd@blm.gov>, Peter Mali
<pmali@blm.gov>, Timothy Shannon <tshannon@blm.gov>, Timothy Spisak
<tspisak@blm.gov>, Stephanie Miller <smiller@blm.gov>, Kelly Orr <korr@blm.gov>

Cc: Ted Murphy <t75murph@blm.gov>, Lesli Ellis-Wouters <lellis@blm.gov>, Serena Sweet
<ssweet@blm.gov>

Hello, please find the paper and the attachments for the ANWR briefing for ASLM, which is on Thursday. Thank you and Happy New Year.

Karen E. Mouritsen
Acting State Director for BLM-Alaska
phone 907-271-5080
cell 202-329-2030

0000013546

To: Gregory Siekaniec[greg_siekaniec@fws.gov]
From: Cribley, Bud
Sent: 2018-01-03T16:23:13-05:00
Importance: Normal
Subject: Fwd: Polar Bear Information Needs relative to the 1002 Area
Received: 2018-01-03T16:23:23-05:00
Polar Bear Study Ideas for 1002 - 171222.docx

Greg,

How does this fit into BLM's proposed NEPA timeline for leasing? Would this information be needed for this NEPA?

Bud

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

From: **Wainman, Barbara** <barbara_wainman@fws.gov>
Date: Wed, Jan 3, 2018 at 4:01 PM
Subject: Fwd: Polar Bear Information Needs relative to the 1002 Area
To: Jim Kurth <jim_kurth@fws.gov>, Bud Cribley <bud_cribley@fws.gov>

Barbara W. Wainman
Assistant Director, External Affairs
US Fish and Wildlife Service
(202) 208-5256 (office)
(571) 471-4159 (cell)

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

From: **Kinsinger, Anne** <akinsinger@usgs.gov>
Date: Wed, Jan 3, 2018 at 3:56 PM
Subject: Fwd: Polar Bear Information Needs relative to the 1002 Area
To: Greg Sheehan <greg_j_sheehan@fws.gov>, "Wainman, Barbara" <barbara_wainman@fws.gov>
Cc: Bill Werkheiser <whwerkhe@usgs.gov>, Judy J Nowakowski <jnowakowski@usgs.gov>

Greg, our Alaska Regional Director forwarded this to me. Sounds like we've worked well with FWS to identify scientific needs. Not sure how the thread below relates to the \$2.7 million you discussed. Please let me know if I can assist in any way. Anne

Anne E. Kinsinger
Associate Director for Ecosystems
US Geological Survey
12201 Sunrise Valley Dr.
Reston, VA 20192

703-648-4050
Cell: 571-212-6898

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

From: **Devaris, Aimee** <adevaris@usgs.gov>
Date: Wed, Jan 3, 2018 at 3:31 PM
Subject: Fwd: Polar Bear Information Needs relative to the 1002 Area
To: "Kinsinger, Anne" <akinsinger@usgs.gov>

Hi Anne,
The attached document relates to the discussion we just had. Please let me know how we can further assist.

Regards,
Aimee

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

From: **Zimmerman, Christian** <czimmerman@usgs.gov>
Date: Tue, Dec 26, 2017 at 9:58 AM
Subject: Fwd: Polar Bear Information Needs relative to the 1002 Area
To: Aimee Devaris <adevaris@usgs.gov>

Grant H and others participated in a planning exercise at FWS, last Friday, to determine information needs related to Polar Bears in the 1002 area.

The attached document was prepared based on that meeting.

chris

Christian E. Zimmerman
Center Director
USGS Alaska Science Center
4210 University Dr.
Anchorage, AK 99508
(907)786-7071
czimmerman@usgs.gov

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

From: **Colligan, Mary** <mary_colligan@fws.gov>
Date: Fri, Dec 22, 2017 at 12:55 PM
Subject: Polar Bear Information Needs relative to the 1002 Area
To: Gregory Siekaniec <greg_siekaniec@fws.gov>
Cc: "Atwood, Todd" <tatwood@usgs.gov>, Grant Hilderbrand <ghilderbrand@usgs.gov>, Patrick Lemons <patrick_lemons@fws.gov>, Ryan Wilson <ryan_r_wilson@fws.gov>, Christopher Putnam <christopher_putnam@fws.gov>, James Wilder <james_wilder@fws.gov>

Greg - Our polar bear and regulatory folks worked in collaboration with USGS to draft the attached document identify priority information and research needs on polar bears to inform decisions relative to activities in the 1002 Area.

While aerial FLIR polar bear den surveys have proved to be effective for locating dens in proximity to oil and gas industry (Industry) activities, they are only part of a larger set of methods and investigations needed to inform our understanding of how polar bears interact with and are affected by Industry activity.

The annual aerial FLIR polar bear den survey conducted by Industry operators is a mitigation requirement tied to MMPA incidental take authorizations and they are not intended or designed as a systematic survey of all dens in a particular area. While the use of aerial FLIR surveys is an important component of our needs relative to Industry activities, it is only one part of a much larger program that will be necessary to reach our determinations under MMPA nad ESA. That larger program need is outlined in the attached document.

We have a great team here and wonderful collaborators at USGS - folks rearranged their schedules and came in on their day off today to roll up their sleeves and get this done.

Please let me know if you have questions

--

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

--

Grant V. Hilderbrand, Ph.D., C.W.B.
Marine Ecosystems Office
Alaska Science Center
USGS
4210 University Drive
Anchorage, AK 99508
(907) 786-7076
ghilderbrand@usgs.gov

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Aimee M. Devaris
Regional Director
U.S. Geological Survey

4210 University Drive
Anchorage, Alaska
907-786-7055

--

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: Greg Siekaniec[greg_siekaniec@fws.gov]; Karen Clark[karen_clark@fws.gov]; Ted Murphy[t75murph@blm.gov]; Karen Mouritsen[kmourits@blm.gov]
From: Wackowski, Stephen
Sent: 2018-01-08T20:40:53-05:00
Importance: Normal
Subject: PCH
Received: 2018-01-08T20:41:00-05:00

Why do we not participate in these studies? Should we start doing so in anticipation of 10-02 coming on line?

http://www.adfg.alaska.gov/static/home/library/pdfs/wildlife/porcupine_caribou_news/porcupine_caribou_news_summer_2017.pdf

Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
4230 University Drive, Suite 300
Anchorage, AK 99508
907-271-5485

To: Gregory Siekaniec[greg_siekaniec@fws.gov]
From: Devaris, Aimee
Sent: 2018-01-09T15:00:00-05:00
Importance: Normal
Subject: Fwd: polar bear maternal denning habitat in the ANWR 1002 area: data for Stephen Wackowski
Received: 2018-01-09T15:00:19-05:00
[polarbear_maternal_denning_habitat_in_the_ANWR1002_area_08Jan18.png](#)
[polarbear_maternal_denning_habitat_in_the_ANWR1002_area_to_KML_09Jan18.kmz](#)

Greg,
Just FYI, Wackowski came by yesterday and wanted to sit down with our GIS operator to look at the data and understand our sources. This is what we produced for him.

Hope your travels are going well.

Aimee

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

From: Devaris, Aimee <adevaris@usgs.gov>
Date: Tue, Jan 9, 2018 at 10:53 AM
Subject: Fwd: polar bear maternal denning habitat in the ANWR 1002 area: data for Stephen Wackowski
To: Stephen Wackowski <stephen_wackowski@ios.doi.gov>
Cc: Christian Zimmerman <czimmerman@usgs.gov>

Hi Steve,

Here is the information you requested. Please let me know if you need anything else.

Regards,

Aimee

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

From: Durner, George <gdurner@usgs.gov>
Date: Tue, Jan 9, 2018 at 10:09 AM
Subject: polar bear maternal denning habitat in the ANWR 1002 area: data for Stephen Wackowski
To: Christian Zimmerman <czimmerman@usgs.gov>
Cc: Todd Atwood <tatwood@usgs.gov>

Chris,

The attached information and data serves the information request made by Stephen Wackowski to the USGS polar bear research program on 8 January 2018. Please find attached the following:

1) polarbear_maternal_denning_habitat_in_the_ANWR1002_area_to_KML_09Jan18.kmz. This file includes spatial data of polar bear maternal denning habitat from the Colville River to the

Canada border. Maternal denning habitat within the ANWR 1002 area is included as a separate layer. This file also includes the following layers: polar bear maternal den locations identified with telemetry on land and fastice, 1982-2010; 2) 1 mile polygon buffer surrounding denning habitat in the 1002 area.

2) polarbear_maternal_denning_habitat_in_the_ANWR1002_area_08Jan18.png. This is a graphics file for viewing all layers.

The following data were also requested by Mr. Wackowski:

Total area of the ANWR 1002 area: 6741 km²

Total area of 1 mile buffer surrounding denning habitat: 5883 km². Note this excludes marginal buffer area that occurred outside of the 1002 area.

Please contact with your questions and additional data requests.

George

Data sources:

Denning habitat: Durner et al. 2006. Arctic, 56(1): 31-36.

https://alaska.usgs.gov/science/biology/polar_bears/products.html.

ANWR and ANWR 1002 boundaries: USFWS, Region 7,

Realty and Natural Resources,

<https://www.fws.gov/alaska/nwr/realty/data.htm>. Accessed 21 December 2017.

Durner, G.M., Fischbach, A.S., Amstrup, S.C., and Douglas, D.C., 2010, Catalogue of polar bear (*Ursus maritimus*) maternal den locations in the Beaufort Sea and neighboring regions, Alaska, 1910–2010: U.S. Geological Survey Data Series 568, 14 p.

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George Durner, Research Zoologist
US Geological Survey, Alaska Science Center
4210 University Drive
Anchorage, Alaska 99508

PH: 907-786-7082

--

Aimee M. Devaris

Regional Director

U.S. Geological Survey

4210 University Drive

Anchorage, Alaska
907-786-7055

--

Aimee M. Devaris
Regional Director
U.S. Geological Survey
4210 University Drive
Anchorage, Alaska
907-786-7055

To: Devaris, Aimee[adevaris@usgs.gov]
Cc: mary_colligan@fws.gov[mary_colligan@fws.gov]
From: Greg Siekaniec
Sent: 2018-01-09T16:05:46-05:00
Importance: Normal
Subject: Re: polar bear maternal denning habitat in the ANWR 1002 area: data for Stephen Wackowski
Received: 2018-01-09T16:05:55-05:00

Thanks Aimee. A lot of conversations are happening and not in a coordinated manner. Mary Colligan will be reaching out to you to discuss how we might be better at keeping folks in the loop of what all is going on. Science, technical, planning, legal, executive, department, three agencies, and our interested constituents are all having varying degrees of communications. I believe we need an executive/sr. management group for consistent communications on the variety of issues that are coming up.

The next couple of days should be interesting in the sept. I hope to catch up with Bill while I'm in MIB.

Best,

Greg

Sent from my iPhone

On Jan 9, 2018, at 12:00 PM, Devaris, Aimee <adevaris@usgs.gov> wrote:

Greg,
Just FYI, Wackowski came by yesterday and wanted to sit down with our GIS operator to look at the data and understand our sources. This is what we produced for him.

Hope your travels are going well.

Aimee

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

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

Date: Tue, Jan 9, 2018 at 10:53 AM

Subject: Fwd: polar bear maternal denning habitat in the ANWR 1002 area: data for
Stephen Wackowski

To: Stephen Wackowski <stephen_wackowski@ios.doi.gov>

Cc: Christian Zimmerman <czimmerman@usgs.gov>

Hi Steve,

Here is the information you requested. Please let me know if you need anything else.

Regards,
Aimee

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

From: **Durner, George** <gdurner@usgs.gov>

Date: Tue, Jan 9, 2018 at 10:09 AM

Subject: polar bear maternal denning habitat in the ANWR 1002 area: data for Stephen Wackowski

To: Christian Zimmerman <czimmerman@usgs.gov>

Cc: Todd Atwood <tatwood@usgs.gov>

Chris,

The attached information and data serves the information request made by Stephen Wackowski to the USGS polar bear research program on 8 January 2018. Please find attached the following:

- 1) polarbear_maternal_denning_habitat_in_the_ANWR1002_area_to_KML_09Jan18.kmz. This file includes spatial data of polar bear maternal denning habitat from the Colville River to the Canada border. Maternal denning habitat within the ANWR 1002 area is included as a separate layer. This file also includes the following layers: polar bear maternal den locations identified with telemetry on land and fastice, 1982-2010; 2) 1 mile polygon buffer surrounding denning habitat in the 1002 area.
- 2) polarbear_maternal_denning_habitat_in_the_ANWR1002_area_08Jan18.png. This is a graphics file for viewing all layers.

The following data were also requested by Mr. Wackowski:

Total area of the ANWR 1002 area: 6741 km²

Total area of 1 mile buffer surrounding denning habitat: 5883 km². Note this excludes marginal buffer area that occurred outside of the 1002 area.

Please contact with your questions and additional data requests.

George

Data sources:

Denning habitat: Durner et al. 2006. Arctic, 56(1): 31-36.

https://alaska.usgs.gov/science/biology/polar_bears/products.html.

ANWR and ANWR 1002 boundaries: USFWS, Region 7, Realty and Natural Resources,

<https://www.fws.gov/alaska/nwr/realty/data.htm>. Accessed 21 December 2017.

Durner, G.M., Fischbach, A.S., Amstrup, S.C., and Douglas, D.C., 2010, Catalogue of polar bear (*Ursus maritimus*) maternal den locations in the Beaufort Sea and neighboring regions, Alaska, 1910–2010: U.S. Geological Survey Data Series 568, 14 p.

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George Durner, Research Zoologist
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--

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<polarbear_maternal_denning_habitat in_the_ANWR1002_area_08Jan18.png>

<polarbear_maternal_denning_habitat
in_the_ANWR1002_area_to_KML_09Jan18.kmz>

To: Greg Siekaniec[greg_siekaniec@fws.gov]
From: Clark, Karen
Sent: 2018-01-12T14:59:35-05:00
Importance: Normal
Subject: Re: Coastal Plain
Received: 2018-01-12T15:00:27-05:00

I totally forgot about this- I'm sorry! You asked about this earlier in the week. I will check with the RDT now. I think most of them are the in the DCR session, so I may not hear back until after lunch.

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

On Fri, Jan 12, 2018 at 10:50 AM, Greg Siekaniec <greg_siekaniec@fws.gov> wrote:

Do have an idea of who should receive invites?
Thanks
Sent from my iPhone

Begin forwarded message:

From: "Sweet, Serena" <ssweet@blm.gov>
Date: January 12, 2018 at 1:13:38 PM CST
To: greg_siekaniec@fws.gov
Cc: Ted Murphy <t75murph@blm.gov>
Subject: Fwd: Coastal Plain

Hi Greg,
BLM will be hosting a workshop on this topic from 9am-3pm on January 19th at the Federal building. Can you please send me a list of the folks at FWS that should be included on the invite?

The agenda is being developed and in general will cover the BLM oil and gas leasing and development process. I will send it you and the invitees on Tuesday.

Serena Sweet

BLM-Alaska, Resources Division

Supervisory Planning
&
Environmental Coordinator
Desk: 907-271-4543
Cell: 907-223-3267

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

From: **Ted Murphy** <t75murph@blm.gov>

Date: Thu, Jan 11, 2018 at 1:58 PM

Subject: Fwd: Coastal Plain

To: Serena Sweet <ssweet@blm.gov>

Sent from my iPhone

Begin forwarded message:

From: Greg Siekaniec <greg_siekaniec@fws.gov>

Date: January 10, 2018 at 5:36:21 PM AKST

To: "Murphy, Ted" <t75murph@blm.gov>

Subject: Re: Coastal Plain

Hi Ted,

I have given it some thought and have been confused by all the potential meetings and "groups" that need to start coordinating for the new assignment. Today Karen and I discussed that the 19th May be the day to try and pull an executive/sr. Manager team together to discuss the present state of knowledge and expectations.

For an oil and gas 101 I would envision our remnant planning group, our science (endangered species) team, a few Refuge folks and I would like to sit in as well. I would say that we could easily have 15 or more people.

Is this what you have in mind?

Thanks,

Greg

Sent from my iPhone

On Jan 10, 2018, at 8:44 PM, Murphy, Ted <t75murph@blm.gov> wrote:

0000013559

Hey Greg,

Have you given any thought to who would coming to a Oil and Gas 101 discussion. Most likely it will be on January 19 at our office. We plan to tie in an Executive discussion prior to the meeting or immediately, thereafter.

Ted

--

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

To: Devaris, Aimee[adevaris@usgs.gov]
Cc: Gregory Siekaniec[greg_siekaniec@fws.gov]; John Pearce[jpearce@usgs.gov]; Christian Zimmerman[czimmerman@usgs.gov]; Steven Cohn[scohn@blm.gov]; Marlo Draper[mdraper@blm.gov]; Ted Murphy[t75murph@blm.gov]
From: Mouritsen, Karen
Sent: 2018-01-13T14:06:03-05:00
Importance: Normal
Subject: Re: coordination
Received: 2018-01-13T14:06:34-05:00

Hello Aimee, The summit was interesting and we missed you and your input. Maybe those who participated should meet up with you once we are all back in Alaska.

For the science needs for the North Slope, we will have Steve Cohn and Marlo Drapo as the contacts. Steve is the Deputy State Director for Resources and Marlo is the Branch Chief for Resources. As a side note, Steve will be leaving BLM soon and we have a DOI-wide interest announcement out, for both a detail and a lateral transfer. I will send the advertisements to you all. Marlo and Steve (and his detailer) will coordinate for us, keeping in close contact with Serena for planning, Sara for NSSI, and Shelly Jones, our Acting District Manager for the Arctic Office.

For your question on the baseline resource information - I think the NPR-A is certainly a great place to start, but i don't know for sure what the team has decided or if they have decided. I agree that we need to figure this out quickly. For the operational side of things, our staff is putting together an all-day meeting for FWS, to review all the procedures and steps for oil and gas leasing. A key part of the process is figuring out what information we need to develop plans for the surface resources. They are targeting Friday, January 19 but I need to confirm that. We can certainly include John Pearce or at least let him see the agenda and participate as he is interested. We will work to identify what the USGS can help us with. Thank you and we will be in touch !!

Safe travels, Karen

ps and I will be back in Alaska on Thursday

Karen E. Mouritsen
Acting State Director for BLM-Alaska
phone 907-271-5080
cell 202-329-2030

On Thu, Jan 11, 2018 at 5:29 PM, Devaris, Aimee <adevaris@usgs.gov> wrote:

Hi Karen and Greg,

Hope the summit went well. I'm looking forward to catching up with you when you return. I will be on travel next Mon-Wed, so I'm sending this note to tee up a couple of items we should coordinate on in the near future.

1. John Pearce will be the general POC for USGS on North Slope science issues, so if you

could let your folks know to go to him with various questions and requests, that would be great. Obviously higher level issues, such as communications/taskers for the Department should go to me. (I will let John Martin know this as well for the interdisciplinary meetings and activities he is organizing.)

2. I understood from Greg that Mary Colligan should be our general POC for FWS. Karen, who will that be for BLM? Is it Steve Cohn? Serena Sweet?
3. Within USGS, we stand ready to assist with the scientific studies needed to support the development of a management plan for the 1002. We are looking to BLM to provide the context we should use to help determine the science gaps and relative priority. (It seems this is also what FWS is working on via John Martin, but it's not clear yet to me what is driving that.) I saw a note from Wayne Svejnoha suggesting the NPRA IAP is being used as the comparison for determining what is needed for baseline resource information. Is that the case?

It is important for us to initiate some science planning within USGS because we are actually slated to take a significant cut in Arctic ecosystems research in FY18 if the budget passes. That said, we will likely have some internal conversations about shifting priorities at a leadership team meeting next month. So it will be very helpful over the coming weeks if we can identify the critical areas of work where USGS can assist you.

Regards,
Aimee

--

Aimee M. Devaris
Regional Director
U.S. Geological Survey
4210 University Drive
Anchorage, Alaska
907-786-7055

To: Greg Siekaniec[greg_siekaniec@fws.gov]; Karen Clark[karen_clark@fws.gov]; Devaris, Aimee[adevaris@usgs.gov]; Ted Murphy[t75murph@blm.gov]
From: Mouritsen, Karen
Sent: 2018-01-23T20:35:36-05:00
Importance: Normal
Subject: Fwd: Workshop Follow-up: FWS Interagency, Interdisciplinary Resource Assessment Request - Suspense 15 Feb 2018
Received: 2018-01-23T20:36:14-05:00
[Table - Discipline Subjects & Interagency Teams 23Jan2018amUPDATED.docx](#)
[REPORTING TEMPLATE.docx](#)
[Coastal Plain 1002 Area Interdisciplinary Info Request UPDATED wRPT OUTLINE 9Jan2018v6.docx](#)

Hi Greg, Karen,

On our call tomorrow, we want to fill you in on the questions we are getting from our Assistant Secretary on data needs for the refuge. He is asking for our data needs for 1) analyzing a seismic application and 2) for analyzing the larger issue of leasing and the associated exploratory(winter) drilling that would occur after the lease is issued. We have been looking at the information provided (like by John Martin, below) and we think we most likely have enough information to do the EA for the seismic work, and maybe even to get started on the larger issue of leasing/exploratory work (especially since we understand that USGS is finishing up their analysis of the ifsar data for the polar bear dens) However, the Assistant Secretary has asked if we need to gather additional data in the upcoming seasons, so he can help us get funding if necessary. We will explain more tomorrow what we are thinking on this. Thank you and talk to you tomorrow.

Karen E. Mouritsen
Acting State Director for BLM-Alaska
phone 907-271-5080
cell 202-329-2030

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

From: **Martin, John** <john_w_martin@fws.gov>
Date: Tue, Jan 23, 2018 at 8:12 AM
Subject: Workshop Follow-up: FWS Interagency, Interdisciplinary Resource Assessment Request - Suspense 15 Feb 2018
To: Serena Sweet <ssweet@blm.gov>
Cc: Stephanie Brady <stephanie_brady@fws.gov>, Drew Crane <drew_crane@fws.gov>, "Lor, Socheata" <socheata_lor@fws.gov>, Doug Damberg <doug_damberg@fws.gov>

Sarena

Per our brief discussions Fri 19 Jan 2018 during the workshop.

0000013563

Per your request, find attached the Service's approach to providing DOI with the same, or similar, information as was discussed Fri during the workshop.

Please advise us whether we can respond jointly or if we will work separately due to differing reporting deadlines.

The attached narrative with *please read carefully* (in red type) provides the draft affected environment from our coastal plain 1002 area regulation EA (presently uncertain status). While brief and not covering much in depth or breadth, keep in mind that 50 CFR 37 required and EIS-level analysis with each exploration permit application. These discussion were intended as a starting point for teams to expand, adapt or discard.

The reporting template is just the nuts and bolts of the resource assessment needs. As noted, this has been envisioned as a bullet-type memo report.

Finally, I sent out the following as clarifications to the resource assessment needs template and reporting due to email traffic and some apparent misunderstandings.

1. We have been tasked to provide a succinct, state-of-the-knowledge summary of the discipline subjects along with any known information or data gaps that would encumber informed agency decisions relative to: "provide an oil and gas program on the coastal plain ... in a manner similar to the administration of lease sales under the Naval Petroleum Reserves Production Act"
2. As our responses regarding *where we are* and *what we need to know* are routed upward to DOI, this portfolio of all the respective subjects will be used at the agency-director level as a resource in moving forward, and in turn, as an information source when they are asked questions.
3. Our responses may include, but not limited to, recommendations regarding core areas, sensitive life history periods or events, movement corridors, population objectives or goals, etc.
4. Our purpose is not to make management decisions at this time but provide information upon which management decisions may be based.

If I may provide more information or answer any questions, please so advise.

Thanks

John

To: Greg Siekaniec[greg_siekaniec@fws.gov]; karen_clark@fws.gov[karen_clark@fws.gov]
From: Karen Mouritsen
Sent: 2018-02-07T09:26:04-05:00
Importance: Normal
Subject: Fwd: Draft Communications Plan Coastal Plain 1002 Area EIS NOI
Received: 2018-02-07T09:26:16-05:00
[ATT00001.htm](#)
[Communications_Plan 1002 NOI 02_06_2018.docx](#)

We are to discuss with ASLM later today. I just want to add the message we give prior to issuance of NOI

Sent from my iPad

Begin forwarded message:

From: "McIntosh, Stacie" <s05mcint@blm.gov>
Date: February 6, 2018 at 4:04:56 PM AKST
To: Jeff Krauss <jkrauss@blm.gov>, Beverly Winston <bwinston@blm.gov>
Cc: Ted Murphy <t75murph@blm.gov>, Karen Mouritsen <kmourits@blm.gov>
Subject: Draft Communications Plan Coastal Plain 1002 Area EIS NOI

Hi Jeff and Bev,

Attached is the Draft Comm Plan for the 1002 Area (that Mike Nedd told you about) for your review. At yesterday's 1002 briefing it was mentioned that we needed a comm plan ASAP, both in order to ensure that the agencies and staff involved are communicating a consistent and clear message, and also because it is highly likely that Mr. Balash may be traveling to AK soon to meet with key stakeholder on the North Slope, including the North Slope Borough Mayor. So we want to make sure that we have clear talking points prepared.

Please edit and suggest any changes or additions. I do believe that we are scheduled to talk about this draft comm plan at the 1002 teleconference tomorrow, currently scheduled for 12:30 Alaska time, 4:30 EST.

Thank you, and don't hesitate to call if you need anything.
Stacie McIntosh
(acting for Lesli)

--

BLM Alaska
Office of Communications
(907) 271-4405 work
(907) 378-3815 cell

To: mary_colligan@fws.gov[mary_colligan@fws.gov];
socheata_lor@fws.gov[socheata_lor@fws.gov]
Cc: karen_clark@fws.gov[karen_clark@fws.gov]
From: Greg Siekaniec
Sent: 2018-02-14T14:20:10-05:00
Importance: Normal
Subject: Fwd: Response requested ASAP: Meeting with Steve W. next week on LNG Air Quality and Visual & Noise issues
Received: 2018-02-14T14:20:20-05:00
[ATT00001.htm](#)
[Visual Resources and Noise_AKLNG-6020-REG-YPW-DOC-00006.pdf](#)

We need to figure out how to reply to this request. Also, how we have provided information concerning air quality and visual/noise issues previously.
Can we investigate and set up some time to discuss.

Greg

Sent from my iPhone

Begin forwarded message:

From: "Johnson, Philip" <philip_johnson@ios.doi.gov>
Date: February 14, 2018 at 9:35:52 AM AKST
To: Herbert Frost <bert_frost@nps.gov>, Karen Mouritsen <kmourits@blm.gov>, Greg Siekaniec <greg_siekaniec@fws.gov>
Cc: Grace Cochon <grace_cochon@ios.doi.gov>
Subject: Response requested ASAP: Meeting with Steve W. next week on LNG Air Quality and Visual & Noise issues

All,

Steve W. has requested a meeting next week with appropriate bureaus and my office regarding these issues.

I let him know that I only got one of the two referenced attachments (the one on noise/visual impacts), In that paper the NPS, BLM and FWS are all cited.

I asked for a copy of the air quality paper, if Steve also wants to discussed those issues. I know that some your bureaus may egage on air quality issues, depending on the project.

Can you please have appropriate staff work with me to set up a meeting with Steve, as soon as possible? Lesia is also trying to schedule a different meeting, so she is seeking to lock something in as soon as possible.

Below are the times Steve is currently available (but with another meeting pending). *I*

would prefer some time on Friday if that works for the bureaus. I am not available Tues-Thursday (I will be on annual leave and/or in other meetings). If it has to be on Tues. or Wed, I will send Grace but I would prefer to attend if possible.

Steve's availability next week:

Tues: after 1:00 pm

Wed: after 1:00 pm

Friday: morning is free

Friday: 1:00 - 2:00 pm

Friday: 3:30 - 4:30 pm

Pebble Project: Also note that I was in a meeting with Steve last Friday morning and before that meeting he expressed concerns re: this project and he asked for an update re: DOI bureaus and their cooperating agency status. I don't know if that issue will come up or not during this LNG meeting, but I thought I would mention it so that you are not surprised. I checked with staff last week and my understanding is that BLM is not involved with Pebble, FWS and BSEE had already agreed to be cooperators with the Corps, and the NPS will evaluate whether to become a cooperating agency once the Notice of Intent to publish an EIS is published.

Thanks for your assistance on short notice.

Philip Johnson
Regional Environmental Officer - Alaska
U.S. Department of the Interior
1689 C Street, Suite 119
Anchorage, Alaska 99501-5126

907-271-5011 (Work Phone)

907-227-3783 (Work Cell)

907-271-5930 (Fax)

philip_johnson@ios.doi.gov

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

From: **Wackowski, Stephen** <stephen_wackowski@ios.doi.gov>

Date: Wed, Feb 14, 2018 at 4:37 AM

Subject: Fwd: Air Quality and Visual & Noise whitepapers

To: "Johnson, Philip" <philip_johnson@ios.doi.gov>

Phil- How many of these comments came from us? I would like a briefing

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from you and the agency personnel involved in making these comments. Specifically, I would like to understand why these RFIs were made and what legal authorities/agency missions they tie back to.

Can we make this happen next week?

Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
4230 University Drive, Suite 300
Anchorage, AK 99508
907-271-5485

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

From: Ed Fogels <EFogels@agdc.us>
Date: Tue, Feb 13, 2018 at 6:11 PM
Subject: Air Quality and Visual & Noise whitepapers
To: "Wackowski, Stephen" <stephen_wackowski@ios.doi.gov>

Steve—at our meeting last week, I also said I would send you the two whitepapers we developed: 1) Federal Land Manager's overreach on air permitting, and 2) our issues with federal agency comments on noise and visual impacts.

Ed

Ed Fogels | Environmental , Regulatory, and Lands Manager | Alaska
Gasline Development Corporation | T (907) 330-6359 | C (907) 830-9107
| efogels@agdc.us

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the recipient) any review, use, distribution, copying or disclosure by you or others is strictly prohibited. Please notify sender by reply email or telephone and delete and/or destroy this message and all attachments.

To: Herbert Frost[bert_frost@nps.gov]; Greg Siekaniec[greg_siekaniec@fws.gov]; Karen Mouritsen[kmourits@blm.gov]
Cc: Cooper, Debora[Debora_Cooper@nps.gov]; Brooke Merrell[Brooke_Merrell@nps.gov]; Mary Colligan[mary_colligan@fws.gov]; Melissa Burns[melissa_burns@fws.gov]; Ted Murphy[t75murph@blm.gov]; Serena Sweet[ssweet@blm.gov]; Grace Cochon[grace_cochon@ios.doi.gov]
From: Johnson, Philip
Sent: 2018-02-16T11:49:41-05:00
Importance: Normal
Subject: Fwd: Air Quality and Visual & Noise whitepapers
Received: 2018-02-16T11:56:46-05:00
[Visual Resources and Noise AKLNG-6020-REG-YPW-DOC-00006.pdf](#)
[FLAG AQRV_Rev0A_1-17-18.pdf](#)

Mr. Wackowski just provided a copy of the second attachment, on Federal Land Managers and air quality issues. In the interest of time, I am taking the liberty of copying some additional bureau managers and staff who may need to see this as soon as possible, in preparation for the 2:00 pm meeting on Tuesday, February 20.

Philip Johnson

Regional Environmental Officer - Alaska
U.S. Department of the Interior
1689 C Street, Suite 119
Anchorage, Alaska 99501-5126

907-271-5011 (Work Phone)
907-227-3783 (Work Cell)
907-271-5930 (Fax)

philip_johnson@ios.doi.gov

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

From: Wackowski, Stephen <stephen_wackowski@ios.doi.gov>
Date: Fri, Feb 16, 2018 at 7:17 AM
Subject: Fwd: Air Quality and Visual & Noise whitepapers
To: "Johnson, Philip" <philip_johnson@ios.doi.gov>

here is the other attachment.

Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
[4230 University Drive, Suite 300](#)
[Anchorage, AK 99508](#)
907-271-5485

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

From: **Ed Fogels** <EFogels@agdc.us>

Date: Tue, Feb 13, 2018 at 6:11 PM

Subject: Air Quality and Visual & Noise whitepapers

To: "Wackowski, Stephen" <stephen_wackowski@ios.doi.gov>

Steve—at our meeting last week, I also said I would send you the two whitepapers we developed: 1) Federal Land Manager's overreach on air permitting, and 2) our issues with federal agency comments on noise and visual impacts.

Ed

Ed Fogels | Environmental , Regulatory, and Lands Manager | Alaska Gasline Development Corporation | T (907) 330-6359 | C (907) 830-9107 | efogels@agdc.us

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To: Devaris, Aimee[adevaris@usgs.gov]
From: Siekaniec, Greg
Sent: 2018-02-20T20:20:11-05:00
Importance: Normal
Subject: Re: Updated information on anticipated USGS products in/near 1002 Area
Received: 2018-02-20T20:20:15-05:00

Thank you Aimee

On Tue, Feb 20, 2018 at 2:18 PM, Devaris, Aimee <adevaris@usgs.gov> wrote:

Karen, Greg:

This information was developed to support a meeting my bosses have with Deputy Secretary Bernhardt tomorrow. I shared a similar spreadsheet with you last week -- but this one has a lot more detail about timing and deliverables.

Aimee

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

From: Devaris, Aimee <adevaris@usgs.gov>
Date: Tue, Feb 20, 2018 at 2:14 PM
Subject: Re: Updated information on anticipated USGS products in/near 1002 Area
To: William Werkheiser <whwerkhe@usgs.gov>, "Applegate, David" <applegate@usgs.gov>
Cc: "Kinsinger, Anne" <akinsinger@usgs.gov>, Geoffrey Plumlee <gplumlee@usgs.gov>, John Haines <jhaines@usgs.gov>, "Beard, Douglas" <dbeard@usgs.gov>, Christian Zimmerman <czimmerman@usgs.gov>, John Pearce <jpearce@usgs.gov>, Judy Nowakowski <jnowakowski@usgs.gov>, "Taylor, Joanne" <jctaylor@usgs.gov>

Bill and Dave:

I've updated the spreadsheet to include more detail on anticipated shoreline change products and the permafrost/climate data, Walter's inputs on the energy products, and a couple adjustments to dates that could be moved up slightly (caribou work and polar bear population estimate).

It may also be helpful for you to have this link accessible (in case there are questions on other publications relevant to the coastal plain).

https://alaska.usgs.gov/science/interdisciplinary_science/cae/USGS_Coastal_Plain_NPR-A_Research_Bibliography.php

Aimee

--

Aimee M. Devaris
Regional Director

0000013572

U.S. Geological Survey
4210 University Drive
Anchorage, Alaska
907-786-7055

To: Mary Colligan[mary_colligan@fws.gov]; Karen Clark[karen_clark@fws.gov]
From: Siekaniec, Greg
Sent: 2018-02-20T20:20:27-05:00
Importance: Normal
Subject: Fwd: Updated information on anticipated USGS products in/near 1002 Area
Received: 2018-02-20T20:20:29-05:00
USGS 1002 ongoing work to WS w pubs estimates for Dep Sec.xlsx

FYI

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

From: Devaris, Aimee <adevaris@usgs.gov>
Date: Tue, Feb 20, 2018 at 2:18 PM
Subject: Fwd: Updated information on anticipated USGS products in/near 1002 Area
To: Karen Mouritsen <kmourits@blm.gov>, Gregory Siekaniec <greg_siekaniec@fws.gov>

Karen, Greg:

This information was developed to support a meeting my bosses have with Deputy Secretary Bernhardt tomorrow. I shared a similar spreadsheet with you last week -- but this one has a lot more detail about timing and deliverables.

Aimee

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

From: Devaris, Aimee <adevaris@usgs.gov>
Date: Tue, Feb 20, 2018 at 2:14 PM
Subject: Re: Updated information on anticipated USGS products in/near 1002 Area
To: William Werkheiser <whwerkhe@usgs.gov>, "Applegate, David" <applegate@usgs.gov>
Cc: "Kinsinger, Anne" <akinsinger@usgs.gov>, Geoffrey Plumlee <gplumlee@usgs.gov>, John Haines <jhaines@usgs.gov>, "Beard, Douglas" <dbeard@usgs.gov>, Christian Zimmerman <czimmerman@usgs.gov>, John Pearce <jpearce@usgs.gov>, Judy Nowakowski <jnowakowski@usgs.gov>, "Taylor, Joanne" <jctaylor@usgs.gov>

Bill and Dave:

I've updated the spreadsheet to include more detail on anticipated shoreline change products and the permafrost/climate data, Walter's inputs on the energy products, and a couple adjustments to dates that could be moved up slightly (caribou work and polar bear population estimate).

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https://alaska.usgs.gov/science/interdisciplinary_science/cae/USGS_Coastal_Plain_NPR-A_Research_Bibliography.php

Aimee

--

Aimee M. Devaris
Regional Director
U.S. Geological Survey
4210 University Drive
Anchorage, Alaska
907-786-7055

To: Karen Mouritsen[kmourits@blm.gov]
Cc: Gregory Siekaniec[greg_siekaniec@fws.gov]
From: Aimee Devaris
Sent: 2018-02-21T10:24:07-05:00
Importance: Normal
Subject: Re: Updated information on anticipated USGS products in/near 1002 Area
Received: 2018-02-21T10:24:27-05:00

Hi Karen,
Sure — I see no reason not to.

Aimee

Sent from my iPhone

On Feb 21, 2018, at 6:14 AM, Karen Mouritsen <kmourits@blm.gov> wrote:

Thank you Aimee. I have a telephone check-in call with my assistant secretary at 12:30 today. Is it ok if I forward this to that office?
Thank you.

Karen Mouritsen
Acting State Director for Alaska
Phone 907-271-5080
Cell 202-329-2030

On Feb 20, 2018, at 2:18 PM, Devaris, Aimee <adevaris@usgs.gov> wrote:

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Aimee M. Devaris
Regional Director
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907-786-7055

<USGS 1002 ongoing work to WS w pubs estimates for Dep
Sec.xlsx>

To: Gregory Siekaniec[gregory_siekaniec@fws.gov]
Cc: Karen Clark[karen_clark@fws.gov]; Sara Boario[sara_boario@fws.gov]; Leonetti, Crystal[crystal_leonetti@fws.gov]
From: Howard, Amee
Sent: 2018-02-26T19:43:23-05:00
Importance: Normal
Subject: Fwd: Urgent Department Request: Briefing papers request for Deputy Secretary/ASLM visit
Received: 2018-02-26T19:44:26-05:00
[BP ASTAC Communications Tower ARH .docx](#)
[BP ATV Use On Arctic NWR ARH.docx](#)
[BP Polar Bear Science-Research Update ARH.docx](#)
[BP Polar Bear Viewing Management ARH.docx](#)
[BP Subsistence Moose Hunt - Kaktovik ARH.docx](#)

Hi Greg,

Here are the draft briefing papers that we have to fulfill Steve Wackowski's request. In his request he listed " Any ongoing issues with ICAS or NVB" and directed the question to us and BLM and BIA. Below Mary responded with an update, however it may not warrant a briefing paper. Please take a look at Mary's response and the draft documents attached below. Steve's request list is also below with FWS relevant briefing papers highlighted. No one had reports of recent interactions with Arctic Village. I am double checking with OSM to see if anything came up at the recent Eastern Interior Regional Advisory Council meeting.

Let me know if you have edits.

Thanks so much!
Amee

On Thu, Feb 22, 2018 at 8:56 PM, Colligan, Mary <mary_colligan@fws.gov> wrote:

Amee - I have attached an updated briefing paper on the FLIR surveys.

Steve's list includes "Any ongoing issues with ICAS or NVB" I am not sure if these are worth including or not, but for your consideration:

NVB & NSB: The Native Village of Barrow is the last of the 15 polar bear hunting villages to pass a resolution to adopt the constitution for the Alaska Nannuut Co-Management Council, the successor entity to the ANC. The NVB still has to designate their representative to the ANCC. Charlie Brower is the Executive Director of the Tribal Council for the NVB. He is the former Chair of the ANC and has been appointed by the President to serve as the Alaska Native Commissioner to the U.S. Russia Polar Bear Commission. Charlie has been only marginally involved in the formation of the ANCC and members of the ANC and the NSB have asserted that Charlie Brower does not represent the Alaska Native community and indicated they are interested in recommending a different individual to serve as the Alaska Native Commissioner. We have advised the ANCC that they can submit a recommendation, now that they have met the criteria in the MMPA to be the successor entity. However, we have also informed them that the process for Presidential appointment, particularly prior to the expiration of an existing 4-year appointment, typically takes a significant amount of time and the outcome may be unpredictable. As they were working towards their formation, the individuals involved in the creation of the ANCC did submit a recommendation that the Secretary of Interior appoint Taqulik Hepa, Director of the NSB Wildlife Department, serve as the Alternate Alaska Native Commissioner. We forwarded that recommendation to headquarters. The ANCC and NSB would like at least a new Alternate, and perhaps a new Commissioner, appointed prior to the planned July 2018 US Russia Commission meeting.

ICAS: Not sure if this is worth mentioning....but recently George Edwardson of ICAS showed up at the Polar Bear Range States meeting without requesting to be part of the US Delegation or to attend the meeting as an observer.

There is a deadline for applications for observer status weeks in advance of the meeting so that the Heads of Delegation from the Range States (Greenland, Norway, Russia, Canada and the US) can review and agree upon a list of approved observers. Given that ICAS had not requested observer status and just showed up at the meeting, we could not authorize them to participate as an observer. We did allow them to attend the meeting as part of the US delegation - this was an accommodation we made despite the fact they had not requested to be part of the delegation, had not participated in any delegation meetings, etc. Despite discussing this situation with Mr. Edwardson multiple times, he chose to voice a protest at the end of the meeting when we did not allow him to make a statement as an observer. For the record, ICAS has participated in the discussions leading up to the formation of the new ANCC. There has been some tension between the NSB and ICAS during those discussions.

On Thu, Feb 22, 2018 at 11:55 AM, Howard, Amee <amee_howard@fws.gov> wrote:

Hi All,

The request below is from Steve Wackowski regarding Briefing Papers for an upcoming visit by Deputy Secretary David Bernhardt and Assistant Secretary for Lands and Minerals - Joe Balash. They are scheduled to be in Alaska March 4th through March 9th.

Steve has requested briefing memos from all DOI agencies. Below, I have highlighted the list items where we are identified. I have also attached relevant briefings that we have already crafted that may be easy to update or borrow information from. We will definitely need to bring the Arctic Refuge team into the mix as well.

Greg has asked that I help coordinate this effort. Steve has requested that BPs be sent directly to Leisa Monson at his office by COB March 1st. I am not certain where that puts us for our process. Do we need to run these through DTS to Headquarters or can will they be approved here only?

It is a tight turn around. I am happy to assist with editing and drafting, if needed. Once each program has final drafts, I can organize them for Greg's review. **Please have them to me by COB Monday.** That will give us Tuesday to finalize everything and package them up for Steve/Leisa.

If HQ needs to approve, then we will need to adjust the timeline accordingly, please advise.

Special Note** Next week - Karen, Sara, Mary, and Soch will all be on travel for meetings. I will be on leave starting Wednesday, Feb 28th.

Thanks so much!
Amee

On Feb 21, 2018, at 6:38 PM, Wackowski, Stephen
<stephen_wackowski@ios.doi.gov> wrote:

Team Alaska-
My apologies to blanket you all with another large request. Can we get some briefing papers from you all on the following for the DepSec during our travels?

These are all on topics that I think will come up during our visits at the locations below... if I am missing something please let me know. Feel free to collaborate if and when it makes sense. One page or less is fine on each topic.

Please get these to Lesia by **COB Thursday, March 1st**, so we can get them into DepSec/ASLM's home packs before their trip.

Arctic Village

BIA/FWS: BIE, IHS, transpo, and any other engagement with the tribe

Kaktovik

USGS/FWS: Southern Beaufort Sea Polar Bear science update--I realize no hard data is out yet, but it will be good to get any initial results or a rundown of your plans (map of where the dens you've found so far would be great)

FWS: Polar Bear viewing/enforcement/relations with city on growing tourist industry

FWS/SOL: Year round OTV use in the refuge (why that can't be authorized and what is a potential solution for the community)

FWS: Subsistence limits to 30 day hunting season around village (I'll forward you a separate email on this)

FWS: Permitting ASTAC cell tower on old dew line site radar--specifically why we are delaying

BLM: Status of Native Allotments for tribal members (I will get some more gouge on this in the next day or so)

SOL: Authority in ANILCA to permit road--specifically linking Kaktovik to the haul road.

BIA: Information on ability to compact with NVK to provide for a community liason

Barrow

BOEM: State of engagement with AEWG on Liberty

BOEM: History of whaling setback (including maps) this applies for interested parties in Kaktovik and Nuiqsut

BLM: Helicopters and what went on with City of Wainwright (we will be having dinner with John Hopson Jr.)

BLM/FWS/BIA: Any ongoing issues with ICAS or NVB?

Nuiqsut

BOEM: Background on engagement with AEWC/Nuiqsut whalers and Liberty

BLM: Air quality monitoring within NPRA

BLM: Any engagement/expectations from CPAI with Willow

BIA: low income senior housing issues (Lynn lets discuss)

Spy Island

BSEE: Background on permits, Christmas day well spud and engagement with ENI

Nome

BOEM: OCS in Bering Sea and surrounding areas/background on engagement with interest groups/tribes there

BIA: Transportation efforts with Kawearek and any other engagements

Thanks in advance for doing this... I know its a lot of work but DepSec is a voracious consumer of information and all of this will be read.

My Best,

Steve

Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
4230 University Drive, Suite 300
Anchorage, AK 99508
907-271-5485

--

Amea Howard

Congressional and State Liaison
U.S. Fish & Wildlife Service
Anchorage, Alaska
Office: (907)786-3509

Mobile: (907)229-8575
<https://www.fws.gov/alaska/>
"Day in the Office"

--

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

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Mobile: (907)229-8575
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"Day in the Office"

To: mary_colligan@fws.gov[mary_colligan@fws.gov]
From: Greg Siekaniec
Sent: 2018-02-21T14:31:57-05:00
Importance: Normal
Subject: Fwd: For the 4:30 Eastern time mtg with ASLM
Received: 2018-02-21T14:32:37-05:00
[mime-attachment.html](#)
[ATT00001.htm](#)
[USGS 1002 ongoing work to WS w pubs estimates for Dep Sec.xlsx](#)
[ATT00002.htm](#)

FYI this is where the deputy secretary raised question about FWS research and reports that we did not make evident.

Let's discuss when you have a minute.

Greg

Sent from my iPhone

Begin forwarded message:

From: "Wackowski, Stephen" <stephen_wackowski@ios.doi.gov>
Date: February 21, 2018 at 9:53:11 AM AKST
To: Greg Siekaniec <greg_siekaniec@fws.gov>
Subject: Fwd: For the 4:30 Eastern time mtg with ASLM

This was the list DB talked to me about.

Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
[4230 University Drive, Suite 300](#)
[Anchorage, AK 99508](#)
907-271-5485

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From: Karen Mouritsen <kmourits@blm.gov>
Date: Wed, Feb 21, 2018 at 11:26 AM
Subject: For the 4:30 Eastern time mtg with ASLM
To: Jeff Brune <jbrune@blm.gov>, pmali@blm.gov, Michael Nedd <mnedd@blm.gov>
Cc: Ted Murphy <t75murph@blm.gov>, mnhayes@blm.gov, adevaris@usgs.gov,
Stephen Wackowski <stephen_wackowski@ios.doi.gov>

Hello Jeff, attached is a document from USGS Regional Director Aimee Devaris, on USGS projects for the Coastal Plain area. She told me I can share this with BLM

0000013583

and ASLM for interest. I will mention on the call and you can forward or print for them. Thank you, Karen.

Sent from my iPad

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From: "Devaris, Aimee" <adevaris@usgs.gov>
Date: February 20, 2018 at 2:18:31 PM AKST
To: Karen Mouritsen <kmourits@blm.gov>, Gregory Siekaniec
<greg_siekaniec@fws.gov>
Subject: Fwd: Updated information on anticipated USGS products in/near
1002 Area

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NPR-A Research Bibliography.php](https://alaska.usgs.gov/science/interdisciplinary_science/cae/USGS_Coastal_Plain_NPR-A_Research_Bibliography.php)

Aimee

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Aimee M. Devaris
Regional Director
U.S. Geological Survey
4210 University Drive
Anchorage, Alaska
907-786-7055

To: Wackowski, Stephen[stephen_wackowski@ios.doi.gov]
Cc: Karen Mouritsen[kmourits@blm.gov]; Greg Siekaniec[greg_siekaniec@fws.gov]; James Kendall[james.kendall@boem.gov]; Mark Fesmire[mark.fesmire@bsee.gov]; Lynn Polacca[lynn.polacca@bia.gov]; Herbert Frost[bert_frost@nps.gov]; Cynthia Jacobson[cynthia_jacobson@fws.gov]; Gene Peltola[gene_peltola@fws.gov]; Sara Longan[slongan@blm.gov]; Travnicek, Andrea[andrea_travnicek@ios.doi.gov]; Jason Larrabee[jason_larrabee@ios.doi.gov]; Joseph Balash[joseph_balash@ios.doi.gov]
From: Devaris, Aimee
Sent: 2018-03-09T19:24:17-05:00
Importance: Normal
Subject: Re: Arctic Science data call
Received: 2018-03-09T19:24:27-05:00

Hi Steve,

In addition to the previous USGS response, I would add a *potential* LiDAR acquisition which would overlap portions of NPRA and ANWR. The NSB proposed grant assistance from USGS 3DEP for LiDAR acquisition in 2018 for its populated areas. NSB would provide \$120,250 plus \$205,000 in-kind, and USGS would contribute \$460,000. This would potentially include Kaktovik, Deadhorse/Prudhoe Bay, Nuiqsut, Atkasuk and Barrow/Utqiagvik.

This project is likely to be approved when we receive our 2018 budget.

Thanks,
Aimee

On Wed, Feb 21, 2018 at 4:56 PM, Wackowski, Stephen <stephen_wackowski@ios.doi.gov> wrote:

Team-

Just a follow up on Dep Sec's data call for Arctic research activities. Could you please use the attached excel as a template (adding one more column for anticipated publish or data release date) for all of your scientific research and enforcement actions that may have impacts to the eastern half of the US Arctic.

This includes subsistence research/enforcement, any science grants to the state or academia, or any international treaty work.

Jim/Mark- For your agencies this should focus on near shore/terrestrial, i.e. Polar Bear.

Can this get done in the next three weeks? This is a priority. If any of your DC offices delay the response to this data call please let me and your respective Assistant Secretaries (cc'd) know.

Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
4230 University Drive, Suite 300
Anchorage, AK 99508
907-271-5485

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Regional Director
U.S. Geological Survey
4210 University Drive
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907-786-7055

To: Greg Siekaniec[greg_siekaniec@fws.gov]
From: Colligan, Mary
Sent: 2018-02-21T17:29:47-05:00
Importance: Normal
Subject: Re: For the 4:30 Eastern time mtg with ASLM
Received: 2018-02-21T17:29:54-05:00

Greg - This is interesting. From what Steve had said, I have envisioned this to be much a more inclusive and exhaustive inventory. A spreadsheet like this of work in the 1002 area should not be that difficult for us to develop and maintain. I can add it to our agenda for our internal discussion on Friday if you would like. I assume you won't be there given the FSB meeting. But if you want us to develop and maintain something like this, I can pitch that to the group and we can come up with a plan.

Thanks,
Mary

On Wed, Feb 21, 2018 at 10:31 AM, Greg Siekaniec <greg_siekaniec@fws.gov> wrote:

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Aimee

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Aimee M. Devaris
Regional Director
U.S. Geological Survey
4210 University Drive
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907-786-7055

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

To: Karen Mouritsen[kmourits@blm.gov]; Greg Siekaniec[greg_siekaniec@fws.gov]; Aimee Devaris[adevaris@usgs.gov]; James Kendall[james.kendall@boem.gov]; Mark Fesmire[mark.fesmire@bsee.gov]; Lynn Polacca[lynn.polacca@bia.gov]; Herbert Frost[bert_frost@nps.gov]; Cynthia Jacobson[cynthia_jacobson@fws.gov]; Gene Peltola[gene_peltola@fws.gov]; Sara Longan[slongan@blm.gov]
Cc: Travnicek, Andrea[andrea_travnicek@ios.doi.gov]; Jason Larrabee[jason_larrabee@ios.doi.gov]; Joseph Balash[joseph_balash@ios.doi.gov]
From: Wackowski, Stephen
Sent: 2018-02-21T20:56:24-05:00
Importance: Normal
Subject: Arctic Science data call
Received: 2018-02-21T20:56:29-05:00
[USGS 1002 ongoing work to WS w pubs estimates for Dep Sec.xlsx](#)

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Senior Adviser for Alaskan Affairs
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4230 University Drive, Suite 300
Anchorage, AK 99508
907-271-5485

To: Greg Siekaniec[greg_siekaniec@fws.gov]
From: Wackowski, Stephen
Sent: 2018-02-27T13:26:34-05:00
Importance: Normal
Subject: Fwd: Coastal Plain EIS FR NOTICE - EXPEDITE SURNAME REVIEW
Received: 2018-02-27T13:26:38-05:00
[Coastal Plain NOI AKSO Signed Routing Sheet.pdf](#)
[ANWR_1002_Coastal_Plain_Plan_Follow-Up_Paper_map.pdf](#)
[Coastal Plain EIS NOI 2.21.18 CLEAN.docx](#)
[Coastal Plain NOI BP 2.21.18 CLEAN.docx](#)
[Coastal Plain NOI News Release 2.21.18 CLEAN.docx](#)
[Communications Plan NOI 2.22.18 CLEAN.docx](#)
[DOI BP Coastal Plain NOI 2.22.18 CLEAN.docx](#)
[Coastal Plain NOI Budget Signature 2.21.18.pdf](#)

Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
[4230 University Drive, Suite 300](#)
[Anchorage, AK 99508](#)
907-271-5485

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

From: **Laubenstein, Karen** <klaubens@blm.gov>
Date: Mon, Feb 26, 2018 at 7:19 PM
Subject: Coastal Plain EIS FR NOTICE - EXPEDITE SURNAME REVIEW
To: Stephen Wackowski <stephen_wackowski@ios.doi.gov>, Lesia Monson <lesia_monson@ios.doi.gov>
Cc: "Ellis-Wouters, Lesli" <lellis@blm.gov>

Hi, attached is the Federal Register Notice of Intent to prepare an EIS for the Coastal Plain Oil and Gas Leasing Program, Alaska.

ASLM worked closely with the Alaska State Office on this package.

As you know, this is time sensitive. We look forward to your review/surname.

Thank you!

-Karen

--

Karen J. Laubenstein
State Writer-Editor and Printing Specialist
Office of Communications
Alaska State Office (AK912)
Bureau of Land Management
222 W. 7th Avenue #13
Anchorage, AK 99513
(907) 271-3318; fax (907) 271-5421; cell (907) 854-7702

Follow us on Twitter [@BLMAlaska](#)

Friend us on Facebook [Bureau of Land Management-Alaska](#)

Explore BLM-Alaska -- it's an awesome experience!!!

To: greg_siekaniec@fws.gov[greg_siekaniec@fws.gov]; Doug Damberg[doug_damberg@fws.gov]
Cc: Socheata Lor[socheata_lor@fws.gov]; Karen Clark[karen_clark@fws.gov]
From: Mitch Ellis
Sent: 2018-03-05T09:57:03-05:00
Importance: Normal
Subject: Fwd: More on PCH information needs
Received: 2018-03-05T09:57:14-05:00

Did we respond to Bruce? Seems a response is in order as well as direction to Arctic staff on the Technical Committee's role. Doug - can you follow up with Greg and Karen?

Sent from my iPhone

Begin forwarded message:

From: "Dale, Bruce W (DFG)" <bruce.dale@alaska.gov>
Date: March 2, 2018 at 7:19:50 PM MST
To: "Christine.Cleghorn@gov.yk.ca" <Christine.Cleghorn@gov.yk.ca>, "greg_siekaniec@fws.gov" <greg_siekaniec@fws.gov>, "mitch_ellis@fws.gov" <mitch_ellis@fws.gov>, "craig.machtans@canada.ca" <craig.machtans@canada.ca>
Cc: "Gladziszewski, Maria (DFG)" <maria.gladziszewski@alaska.gov>, "Bruning, Darren L (DFG)" <darren.bruning@alaska.gov>
Subject: RE: More on PCH information needs

Thanks Christine
Same here. Have a great weekend.

Bruce

----- Original message -----

From: Christine.Cleghorn@gov.yk.ca
Date: 3/2/2018 5:11 PM (GMT-09:00)
To: "Dale, Bruce W (DFG)" <bruce.dale@alaska.gov>, greg_siekaniec@fws.gov, mitch_ellis@fws.gov, craig.machtans@canada.ca
Cc: "Gladziszewski, Maria (DFG)" <maria.gladziszewski@alaska.gov>, "Bruning, Darren L (DFG)" <darren.bruning@alaska.gov>
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Christine



Christine Cleghorn
Director
Environment | Fish and Wildlife
T 867-667-5715 | Yukon.ca

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Sent: Friday, March 02, 2018 4:18 PM
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Cc: Gladziszewski, Maria (DFG); Bruning, Darren L (DFG)
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ADF&G will continue to participate in routine research and management activities of the PCTC.

Let me know if you have questions or want to discuss. And please share this with the new CWS member.

Respectfully,

Bruce

Bruce Dale
Director
Division of Wildlife Conservation
Alaska Department of Fish and Game
1800 Glenn Highway, Suite 4

0000013595

Palmer, AK 99645

907-861-2101

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Sent: Friday, March 02, 2018 2:56 PM
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To: Bruning, Darren L (DFG)
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Jason Caikoski
Wildlife Biologist
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1300 College Road
Fairbanks, AK 99701
(907) 459-7300
e-mail: jason.caikoski@alaska.gov
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Stephen M. Arthur, Ph.D.

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

On Fri, Feb 23, 2018 at 11:20 AM, Stotyn, Shannon (EC)

<shannon.stotyn@canada.ca> wrote:

Hi Stephen,

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ian.mcdonald@pc.gc.ca, david.tavares@pc.gc.ca, Martin.Kienzler@gov.yk.ca

What would be the most ideal format for this meeting? Teleconference or face to face?

Thanks!

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From: Arthur, Stephen [mailto:stephen_arthur@fws.gov]

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To: Stotyn, Shannon (EC); Mike.Suitor@gov.yk.ca; Marsha_Branigan@gov.nt.ca; Tracy_Davison@gov.nt.ca; Troy Hegel (Troy.Hegel@gov.yk.ca); Don Russell (drussell@yukoncollege.yk.ca); Brad Griffith; Caikoski, Jason R (DFG); Lenart, Elizabeth (DFG)

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It seems to me we (PCTC) should be most concerned with identifying calving areas and insect relief habitat (for example, the coast of Camden Bay was used by large groups of caribou for insect relief during some years of the late 80s and early 90s). So my question for the group is: do we want to examine the telemetry data in more detail to prioritize certain areas within the 1002, or should we continue to consider the entire area as equally valuable to caribou, and propose some overall stipulations that would mitigate impacts across the entire area?

I have a short timeline to respond to this request (about a week) so I don't expect a final answer on this, but I do want to get some feedback from the group before I head down the wrong path, so any thoughts you may have would be very welcome.

Do we need to convene a meeting to discuss how to handle this sort of information request (I expect there will be more to come...)?

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*Supervisory Wildlife Biologist
Arctic National Wildlife Refuge
101 12th Ave., Room 236
Fairbanks, AK 99701
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Yukon

To: Damberg, Doug[doug_damberg@fws.gov]
Cc: Greg Siekaniec[greg_siekaniec@fws.gov]; Socheata Lor[socheata_lor@fws.gov]
From: Mitch Ellis
Sent: 2018-03-07T13:00:11-05:00
Importance: Normal
Subject: Re: More on PCH information needs
Received: 2018-03-07T13:00:20-05:00

Thanks Doug. Yes, the re-appointment of Bruce is news to me. I did receive Canada's co-chair appointment notice. You were copied on that, right? I'll check and forward if you didn't.

Sent from my iPad

On Mar 7, 2018, at 10:21 AM, Damberg, Doug <doug_damberg@fws.gov> wrote:

I haven't heard of other U.S. appointments or re-appointments. In the past, I believe that a re-appointment (any appointment, for that matter) was done based on a FWS request - and we didn't generate that from here.

I spent some time yesterday looking at the IPCB International Conservation Agreement, the IPCB Rules and Procedures, and the Porcupine Caribou Technical Committee's Terms of Reference, in addition to talking with Gilbert. I'm also looking for some more background information that might inform the discussion. It would be helpful to learn more about the underlying basis (i.e. based on the documents I reference above) for Bruce Dale's comments as they aren't necessarily consistent with what I am reading in these documents. There are some other issues for consideration as well. We can talk through this when you are back or I can write up the main points.

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

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I spoke with Bruce and asked if his thoughts were political or true operational and true to the international perspective. He landed squarely on this not being political due to State support for 1002 area development. In fact, he shared with me that he recently received his reappointment to the board from the Secretary. I have not heard of any US appointments so this seems a bit odd. Mitch do you have any information as to status of other appointments? If this is the case we can reengage the board and give this issue consideration.

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Sent from my iPhone

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From: "Machtans, Craig (EC)" <craig.machtans@canada.ca>
Date: March 5, 2018 at 9:35:34 AM AKST
To: "Dale, Bruce W (DFG)" <bruce.dale@alaska.gov>, "Christine.Cleghorn@gov.yk.ca" <Christine.Cleghorn@gov.yk.ca>, "greg_siekaniec@fws.gov" <greg_siekaniec@fws.gov>, "mitch_ellis@fws.gov" <mitch_ellis@fws.gov>, "MacDonald2, Bruce (EC)" <bruce.macdonald2@canada.ca>
Cc: "Gladziszewski, Maria (DFG)" <maria.gladziszewski@alaska.gov>, "Bruning, Darren L (DFG)" <darren.bruning@alaska.gov>
Subject: RE: More on PCH information needs

Thanks for cc'ing me. Bruce MacDonald was appointed Canadian co-chair officially on February 20th. Bruce is on language training till October, and I'm his alternate till he returns to normal duties - so please ensure all correspondence also comes to me.

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Craig

Craig Machtans

Manager, Northern Region (Whitehorse), Canadian Wildlife Service
Environment and Climate Change Canada / Government of Canada
craig.machtans@canada.ca / Tel: 867-393-6706 / Fax: 867-393-7970

Gestionnaire, Région du Nord (Whitehorse), Service canadien de la faune

Environnement et Changement climatique Canada / Gouvernement du Canada

0000013600

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Thanks Christine

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Director

Environment | Fish and Wildlife

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Subject: FW: More on PCH information needs

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Bruce Dale

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Division of Wildlife Conservation

Alaska Department of Fish and Game

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-

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Sent: 2018-03-07T15:33:50-05:00
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Let's schedule a discussion for next week. Thank you.
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Gestionnaire, Région du Nord (Whitehorse), Service canadien de la faune

Environnement et Changement climatique Canada / Gouvernement du Canada

0000013609

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0000013610

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Christine Cleghorn

Director

Environment | Fish and Wildlife

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Division of Wildlife Conservation

Alaska Department of Fish and Game

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Palmer, AK 99645

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Darren

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=====

From: Arthur, Stephen [mailto:stephen_arthur@fws.gov]
Sent: Friday, March 02, 2018 2:28 PM
To: Stotyn, Shannon (EC)
Cc: Mike.Suitor@gov.yk.ca; Marsha_Branigan@gov.nt.ca; Tracy_Davison@gov.nt.ca; Troy Hegel (Troy.Hegel@gov.yk.ca); Don Russell (drussell@yukoncollege.yk.ca); Brad Griffith; Caikoski, Jason R (DFG); Lenart, Elizabeth (DFG); ian mcdonald (ian.mcdonald@pc.gc.ca); martin kienzler; david.tavares@pc.gc.ca
Subject: Re: More on PCH information needs

PCTC:

Is there interest in setting up a conference call in the next couple of weeks? At this point, I think the main thing to discuss is what level of involvement does the PCTC want to have in handling the various calls for data (and potentially some additional analyses) that I expect we will be hearing in the near future as the BLM proceeds with developing an EIS for additional exploration (3D seismic) and leasing of the 1002 area. If folks think that would be worthwhile, let me know and we will try and find a time that works for most of us.

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 Fri, Feb 23, 2018 at 11:20 AM, Stotyn, Shannon (EC) <shannon.stotyn@canada.ca> wrote:

Hi Stephen,

0000013614

I just wanted to make sure you include the Parks Canada reps on the PCTC correspondence and Martin Keinzler as well. I will forward this request to them.

ian.mcdonald@pc.gc.ca, david.tavares@pc.gc.ca, Martin.Kienzler@gov.yk.ca

What would be the most ideal format for this meeting? Teleconference or face to face?

Thanks!

Shannon

From: Arthur, Stephen [mailto:stephen_arthur@fws.gov]

Sent: February 22, 2018 2:42 PM

To: Stotyn, Shannon (EC); Mike.Suitor@gov.yk.ca; Marsha_Branigan@gov.nt.ca;

Tracy_Davison@gov.nt.ca; Troy Hegel (Troy.Hegel@gov.yk.ca); Don Russell

(drussell@yukoncollege.yk.ca); Brad Griffith; Caikoski, Jason R (DFG); Lenart, Elizabeth (DFG)

Subject: More on PCH information needs

PCTC members:

I have been asked to identify specific areas of high value to caribou within the 1002 area of the Arctic Refuge. In the past, the PCTC has taken the position that entire area is important, because calving areas vary from year to year and it is impossible to predict which area will be most valuable in a particular year. However, the USFWS and BLM are going to be tasked with recommending specific stipulations, required operating procedures (ROPs), and best management practices (BMPs) for establishing an program for oil and gas production in the area, and this may include identifying areas that warrant special management stipulations of some kind. In the short term, this means preparing an Environmental Impact Statement that specifies what types of activities can be conducted in each area and under what conditions, similar to what has been prepared for the NPR-A area further west (see attached maps).

It seems to me we (PCTC) should be most concerned with identifying calving areas and insect relief habitat (for example, the coast of Camden Bay was used by large groups of caribou for insect relief during some years of the late 80s and early 90s). So my question for the group is: do

we want to examine the telemetry data in more detail to prioritize certain areas within the 1002, or should we continue to consider the entire area as equally valuable to caribou, and propose some overall stipulations that would mitigate impacts across the entire area?

I have a short timeline to respond to this request (about a week) so I don't expect a final answer on this, but I do want to get some feedback from the group before I head down the wrong path, so any thoughts you may have would be very welcome.

Do we need to convene a meeting to discuss how to handle this sort of information request (I expect there will be more to come...)?

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: Wackowski, Stephen[stephen_wackowski@ios.doi.gov]
Cc: Karen Clark[karen_clark@fws.gov]
From: Siekaniec, Greg
Sent: 2018-03-16T19:27:32-04:00
Importance: Normal
Subject: Re: Arctic Science data call
Received: 2018-03-16T19:28:15-04:00
FWS 2018 North Slope Research DOI 1002 Data Call and NSSI Annual Studies 031518 (1).xlsx

Steve,

My apology as I meant to send this yesterday after we spoke. I trust this will meet the interest per your request. If not, please let us know and we can adjust or amend.

Greg

On Wed, Feb 21, 2018 at 4:56 PM, Wackowski, Stephen <stephen_wackowski@ios.doi.gov> wrote:

Team-

Just a follow up on Dep Sec's data call for Arctic research activities. Could you please use the attached excel as a template (adding one more column for anticipated publish or data release date) for all of your scientific research and enforcement actions that may have impacts to the eastern half of the US Arctic.

This includes subsistence research/enforcement, any science grants to the state or academia, or any international treaty work.

Jim/Mark- For your agencies this should focus on near shore/terrestrial, i.e. Polar Bear.

Can this get done in the next three weeks? This is a priority. If any of your DC offices delay the response to this data call please let me and your respective Assistant Secretaries (cc'd) know.

Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
4230 University Drive, Suite 300
Anchorage, AK 99508
907-271-5485

To: Siekaniec, Greg[greg_siekaniec@fws.gov]; Mary Colligan[mary_colligan@fws.gov]
From: Wackowski, Stephen
Sent: 2018-03-19T15:57:00-04:00
Importance: Normal
Subject: Re: ANWR 1002 Area PB Den IR Survey Summary
Received: 2018-03-19T15:58:03-04:00

Thanks. Is this final? If not I would like to have a discussion about the narrative in the introduction.

(b) (5) DPP

A large section of the email body is redacted with black bars. The redaction covers approximately six lines of text, with the first line starting with the text "(b) (5) DPP".

Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
4230 University Drive, Suite 300
Anchorage, AK 99508
907-271-5485

On Mon, Mar 19, 2018 at 3:16 PM, Siekaniec, Greg <greg_siekaniec@fws.gov> wrote:

> Steve,
>
> I think this will satisfy your request for polar bear information. I did
> not realize the report was this close to being provided. I see in the
> report there are a sampling of screen shots.
>
> greg
> ----- Forwarded message -----
> From: Colligan, Mary <mary_colligan@fws.gov>
> Date: Sun, Mar 18, 2018 at 3:06 PM
> Subject: ANWR 1002 Area PB Den IR Survey Summary
> To: Gregory Siekaniec <greg_siekaniec@fws.gov>
>
>
> The U.S. Fish and Wildlife Service, Marine Mammals Management Office in
> coordination with the U.S. Geological Survey, Alaska Science Center, Polar
> Bear Program, contracted with Owyhee Air Research to conduct an aerial
> infrared survey for maternal polar bear dens in the 1002 Area of the Arctic
> National Wildlife Refuge. The objectives of this survey were to survey
> critical portions of the 1002 Area for occupied maternal polar bear dens and
> document all detected high interest infrared signals, or "hotspots"; develop
> survey strategies for the 1002 Area designed to ensure maximum area coverage
> and den detection rates; and identify high priority areas within the 1002
> Area where maternal polar bear denning is most likely to occur.
>

> Survey flights were conducted over a 10-day period between February 18 - 28,
> 2018. Weather conditions allowed survey flights for five of the ten days,
> with the survey crew grounded during the other five days due to unsuitable
> weather. Nine high interest hotspots were identified during the survey
> flights. Two of the nine hotspots were identified as occupied maternal
> polar bear dens, with one other hotspot an unconfirmed possible den. The
> rest of the hotspots were identified as false positives.
>
> The survey results confirm the existing information regarding polar bear
> maternal denning habitat in the 1002 Area and our understanding of how polar
> bears use that habitat. There is a higher density of denning habitat in the
> 1002 area, and polar bears use it more frequently and farther inland than in
> other areas of the the north slope of Alaska. The survey also confirms that
> aerial infrared technology, and our survey methods, can detect polar bear
> maternal dens in the 1002 Area.
>
> The report from the survey work is attached. Please let us know if you have
> any questions.
>
> --
> 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: Cribley, Bud[bud_cribley@fws.gov]
Cc: Jim Kurth[jim_kurth@fws.gov]; Stephen Guertin[stephen_guertin@fws.gov]; Barbara Wainman[barbara_wainman@fws.gov]; Gregory Siekaniec[greg_siekaniec@fws.gov]; Charisa Morris[charisa_morris@fws.gov]; Cynthia Martinez[cynthia_martinez@fws.gov]
From: gregory_sheehan@fws.gov
Sent: 2018-03-31T23:30:56-04:00
Importance: Normal
Subject: Re: [EXTERNAL] Meeting request
Received: 2018-03-31T23:31:23-04:00

Bud,
Sounds like a meeting on April 13 may be in order if we can get some solicitors to the meeting that can speak to the issue. I am not sure what our authority is to speak on this matter at an international relations level. Please keep us updated on what you are hearing.

Thanks

Greg

On Fri, Mar 30, 2018 at 12:02 PM, Cribley, Bud <bud_cribley@fws.gov> wrote:

Greg,

Following is the email I received back from Karen Mouritsen regarding the requested meeting with Canada regarding the Porcupine Caribou herd and the Coastal Plain.

Bud

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

From: Mouritsen, Karen <kmourits@blm.gov>
Date: Fri, Mar 30, 2018 at 10:20 AM
Subject: Re: [EXTERNAL] Meeting request
To: Bud Cribley <bud_cribley@fws.gov>
Cc: Gregory Siekaniec <greg_siekaniec@fws.gov>, "Hayes, Miriam (Nicole)" <mnhayes@blm.gov>, Wendy Loya <wendy_loya@fws.gov>, Serena Sweet <ssweet@blm.gov>

Hi Bud, I discussed this with our Assistant Secretary yesterday. He was aware of this request and he said that he will elevate this in the Department to figure out who should attend. He said to tell you all that someone would meet with the Canadian group.

Thank you, Karen

Karen E. Mouritsen
Acting State Director for BLM-Alaska
phone 907-271-5080
cell 202-329-2030

On Wed, Mar 28, 2018 at 11:11 PM, Bud Cribley <bud_cribley@fws.gov> wrote:

Thanks for the heads up. I will make our leadership aware of this email. Look forward to any feedback.

FYI, the solicitors here in DC are looking at this also to provide feedback.

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 Mar 28, 2018, at 7:56 PM, Mouritsen, Karen <kmourits@blm.gov> wrote:

Thank you Bud. I will ask for guidance tomorrow afternoon when I have a call with our leadership.

Karen E. Mouritsen
Acting State Director for BLM-Alaska
phone 907-271-5080
cell 202-329-2030

On Tue, Mar 27, 2018 at 8:20 AM, Cribley, Bud <bud_cribley@fws.gov> wrote:

Karen/Greg,

I wanted to share this email with you all before I share with Greg Sheehan and Brian Steed. Any suggestions on how we can facilitate this.

Bud

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

From: <Danielle.Chesky@international.gc.ca>
Date: Mon, Mar 26, 2018 at 11:26 AM
Subject: [EXTERNAL] Meeting request
To: bud_cribley@fws.gov

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~



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

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Canada

--

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

--

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

--

Greg Sheehan

Principal Deputy Director

US Fish and Wildlife Service

1849 C Street NW, Room 3358

Washington, DC 20240

Office 202-208-4545

Cell 202-676-7675

To: Close, Ryan[ryan_close@ios.doi.gov]
Cc: Olivia Sierra Villalvazo[olivia_sierravillalvazo@ios.doi.gov]; Greg Sheehan[greg_j_sheehan@fws.gov]; Jim Kurth[jim_kurth@fws.gov]; Gregory Siekaniec[greg_siekaniec@fws.gov]; Karen Mouritsen[KMourits@blm.gov]; Senhadji, Karen M[Karen_Senhadji@ios.doi.gov]; David Downes[david_downes@ios.doi.gov]
From: Cribley, Bud
Sent: 2018-04-02T16:02:45-04:00
Importance: Normal
Subject: Re: [EXTERNAL] Meeting request
Received: 2018-04-02T16:03:48-04:00

Thank you for the clarification.

Bud

On Mon, Apr 2, 2018 at 3:50 PM, Close, Ryan <ryan_close@ios.doi.gov> wrote:

Hi Bud,
Apologies for any confusion: the meeting on April 18th is an internal DOI meeting *about* Canada (i.e. it is not *with* Canada). Our office periodically arranges staff-level meetings to share news and updates regarding our cooperation with foreign partners. Among other topics on the 18th, it may be helpful to share information about ANWR among bureaus, but no Canadian officials will be present and the meeting will not be able to serve the role you've identified below.

Ryan

Ryan Close
Office of International Affairs
U.S. Department of the Interior

(202) 208-3004
www.doi.gov/intl

On Mon, Apr 2, 2018 at 3:33 PM, Cribley, Bud <bud_cribley@fws.gov> wrote:

Ryan,

I received an invitation from you on March 30th for a coordination meeting with Canada. I had been previously contacted by a representative from the Canadian gov. (see note below) looking for some help to set up a meeting between FWS/BLM and Basile van Havre to discuss Canada's potential role in the NEPA BLM will be doing for O&G development in the 1002 and its effects on the international caribou herd the Porcupine Caribou herd. Your meeting is schedule for April 18th. Do you see it serving that role??

Bud

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

From: <Danielle.Chesky@international.gc.ca>
Date: Mon, Mar 26, 2018 at 11:26 AM
Subject: [EXTERNAL] Meeting request

0000013624

To: bud_cribley@fws.gov

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.

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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~



Danielle Chesky
Environment and Energy Section, Embassy of Canada

0000013625

501 Pennsylvania Avenue NW, Washington DC 20001

danielle.chesky@international.gc.ca

Tel: (202) 448-6313

Fax: (202) 448-6506

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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

--

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: greg_siekaniec@fws.gov[greg_siekaniec@fws.gov];
karen_clark@fws.gov[karen_clark@fws.gov]
From: Aimee Devaris
Sent: 2018-05-09T20:42:59-04:00
Importance: Normal
Subject: Fwd: USGS Briefing Paper -- New Open-File Report on Polar Bear Denning Habitat
Received: 2018-05-09T20:43:06-04:00
[ATT00001.htm](#)
[USGS Briefing Paper Polar Bear Denning Habitat OFR.5.9.2018.docx](#)

FYI.

Sent from my iPhone

Begin forwarded message:

From: "Taylor, Joanne" <jctaylor@usgs.gov>
Date: May 9, 2018 at 1:16:32 PM AKDT
To: William Lukas <wlukas@usgs.gov>
Cc: William Werkheiser <whwerkhe@usgs.gov>, "Applegate, David" <applegate@usgs.gov>, Judy Nowakowski <jnowakowski@usgs.gov>, Aimee Devaris <adevaris@usgs.gov>, Anne Kinsinger <akinsinger@usgs.gov>, Leslie Jones <ljones@usgs.gov>, Durelle Smith <dpsmith@usgs.gov>, Kenneth Rice <krice@usgs.gov>, Colette Charbonneau <ccharbonneau@usgs.gov>, Anne-Berry Wade <abwade@usgs.gov>
Subject: USGS Briefing Paper -- New Open-File Report on Polar Bear Denning Habitat

Bill Lukas -- Please share the attached briefing paper with W&S. The briefing paper provides a heads up on an upcoming USGS Open-File Report that describes a qualitative analysis to compare maps of possible polar bear den habitats on the Arctic Coastal Plain of the Arctic National Wildlife Refuge, Alaska. This work was requested by Steve Wackowski, DOI Senior Advisor for Alaskan Affairs. Please let us know if there are any questions, or interest in a briefing. -- Thanks, Joanne
Joanne C. Taylor, USGS
Deputy Chief of Staff, Reston, VA
703-648-6837; jctaylor@usgs.gov

To: Christopher Putnam[christopher_putnam@fws.gov]; Mary Colligan[mary_colligan@fws.gov]; Christopher Noyles[christopher_noyles@blm.gov]
Cc: Karen Mouritsen[kmourits@blm.gov]; Greg Siekaniec[greg_siekaniec@fws.gov]; Lesia Monson[lesia_monson@ios.doi.gov]
From: Wackowski, Stephen
Sent: 2018-04-17T18:04:57-04:00
Importance: Normal
Subject: Fwd: ANWR 1002 Area PB Den IR Survey Summary
Received: 2018-04-17T18:12:31-04:00
[FWS Polar.Bear.Den 2018 AIR Final.Report.pdf](#)

Chris-

Wanted to put this report on your radar. I am curious if any of your widgets at the NCAC could verify or detect these dens.

Can we set up a call with you and the FWS Marine Mammal team to discuss?

Thanks,

Steve

Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
4230 University Drive, Suite 300
Anchorage, AK 99508
907-271-5485

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

From: Siekaniec, Greg <greg_siekaniec@fws.gov>
Date: Mon, Mar 19, 2018 at 3:16 PM
Subject: Fwd: ANWR 1002 Area PB Den IR Survey Summary
To: "Wackowski, Stephen" <stephen_wackowski@ios.doi.gov>

Steve,

I think this will satisfy your request for polar bear information. I did not realize the report was this close to being provided. I see in the report there are a sampling of screen shots.

greg

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

From: Colligan, Mary <mary_colligan@fws.gov>
Date: Sun, Mar 18, 2018 at 3:06 PM
Subject: ANWR 1002 Area PB Den IR Survey Summary
To: Gregory Siekaniec <greg_siekaniec@fws.gov>

The U.S. Fish and Wildlife Service, Marine Mammals Management Office
in coordination with the U.S. Geological Survey, Alaska Science

0000013628

Center, Polar Bear Program, contracted with Owyhee Air Research to conduct an aerial infrared survey for maternal polar bear dens in the 1002 Area of the Arctic National Wildlife Refuge. The objectives of this survey were to survey critical portions of the 1002 Area for occupied maternal polar bear dens and document all detected high interest infrared signals, or "hotspots"; develop survey strategies for the 1002 Area designed to ensure maximum area coverage and den detection rates; and identify high priority areas within the 1002 Area where maternal polar bear denning is most likely to occur.

Survey flights were conducted over a 10-day period between February 18 - 28, 2018. Weather conditions allowed survey flights for five of the ten days, with the survey crew grounded during the other five days due to unsuitable weather. Nine high interest hotspots were identified during the survey flights. Two of the nine hotspots were identified as occupied maternal polar bear dens, with one other hotspot an unconfirmed possible den. The rest of the hotspots were identified as false positives.

The survey results confirm the existing information regarding polar bear maternal denning habitat in the 1002 Area and our understanding of how polar bears use that habitat. There is a higher density of denning habitat in the 1002 area, and polar bears use it more frequently and farther inland than in other areas of the the north slope of Alaska. The survey also confirms that aerial infrared technology, and our survey methods, can detect polar bear maternal dens in the 1002 Area.

The report from the survey work is attached. Please let us know if you have any questions.

--

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: Wackowski, Stephen[stephen_wackowski@ios.doi.gov]
Cc: Christopher Putnam[christopher_putnam@fws.gov]; Mary Colligan[mary_colligan@fws.gov]; Christopher Noyles[christopher_noyles@blm.gov]; Karen Mouritsen[kmourits@blm.gov]; Greg Siekaniec[greg_siekaniec@fws.gov]; Lesia Monson[lesia_monson@ios.doi.gov]; Hillis, Catherine[chillis@blm.gov]
From: Noyles, Christopher
Sent: 2018-04-17T19:21:15-04:00
Importance: Normal
Subject: Re: ANWR 1002 Area PB Den IR Survey Summary
Received: 2018-04-17T19:30:25-04:00

Steve,

I working through some Windows 10 upgrade issues but once they are resolved I can cross reference the points in the report against the data we received. We did not get much usable data in late Feb early Mar due to poor weather however that last couple weeks have been very good for collection. I have a lot of data to review and cross reference.

Anytime Thursday or Friday would work for a call.

Cheers,

Chris

Christopher C. Noyles
Civil Applications Committee - Alaska Liaison
US Department of Interior/Bureau of Land Management
Alaska State Office, Division of Support Services
222 West 7th Ave # 13, Anchorage AK 99513
Phone: (907) 271-5693
Personal Cell: (b) (6)
FAX: (907) 271-3118
email: cnoyles@blm.gov



Click on this button to take a short survey and tell my boss how I'm doing

On Tue, Apr 17, 2018 at 2:04 PM, Wackowski, Stephen <stephen_wackowski@ios.doi.gov> wrote:

Chris-

Wanted to put this report on your radar. I am curious if any of your

widgets at the NCAC could verify or detect these dens.

Can we set up a call with you and the FWS Marine Mammal team to discuss?

Thanks,

Steve

Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
4230 University Drive, Suite 300
Anchorage, AK 99508
907-271-5485

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

From: Siekaniec, Greg <greg_siekaniec@fws.gov>
Date: Mon, Mar 19, 2018 at 3:16 PM
Subject: Fwd: ANWR 1002 Area PB Den IR Survey Summary
To: "Wackowski, Stephen" <stephen_wackowski@ios.doi.gov>

Steve,

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greg

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

From: Colligan, Mary <mary_colligan@fws.gov>
Date: Sun, Mar 18, 2018 at 3:06 PM
Subject: ANWR 1002 Area PB Den IR Survey Summary
To: Gregory Siekaniec <greg_siekaniec@fws.gov>

The U.S. Fish and Wildlife Service, Marine Mammals Management Office in coordination with the U.S. Geological Survey, Alaska Science Center, Polar Bear Program, contracted with Owyhee Air Research to conduct an aerial infrared survey for maternal polar bear dens in the 1002 Area of the Arctic National Wildlife Refuge. The objectives of this survey were to survey critical portions of the 1002 Area for occupied maternal polar bear dens and document all detected high

interest infrared signals, or "hotspots"; develop survey strategies for the 1002 Area designed to ensure maximum area coverage and den detection rates; and identify high priority areas within the 1002 Area where maternal polar bear denning is most likely to occur.

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The report from the survey work is attached. Please let us know if you have any questions.

--

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

To: Greg Siekaniec[greg_siekaniec@fws.gov]
From: Clark, Karen
Sent: 2018-04-19T15:10:50-04:00
Importance: Normal
Subject: Fwd: Porcupine Caribou Workshop participation- help?
Received: 2018-04-19T15:11:39-04:00

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

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

From: **Wackowski, Stephen** <stephen_wackowski@ios.doi.gov>
Date: Wed, Apr 18, 2018 at 10:52 AM
Subject: Re: Porcupine Caribou Workshop participation- help?
To: "Clark, Karen" <karen_clark@fws.gov>

I can mention it to Susan. Can you forward me the invite and a simple justification write up. Also I assume this biologist will serve to support my efforts on the IPCH treaty board. Make sure to mention that to. Thanks.

Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
4230 University Drive, Suite 300
Anchorage, AK 99508
907-271-5485

On Wed, Apr 18, 2018 at 1:57 PM, Clark, Karen <karen_clark@fws.gov> wrote:
> Hey Steve, Just following up on this today in case it got lost in your email
> yesterday. Is this something you can help us move through the process?
>
> 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
>
>
>
> On Tue, Apr 17, 2018 at 8:29 AM, Clark, Karen <karen_clark@fws.gov> wrote:
>>
>> Hi Steve,
>>
>> Steve Arthur, our Arctic Refuge caribou biologist has just been asked to
>> participate in a Porcupine Caribou Workshop in Whitehorse in May- leaving
>> not enough time to get the necessary approvals without elevating the issue.
>> Given the importance of this topic and that the Arctic is most definitely a
>> priority, I'm wondering if you would you be willing to help us move this one
>> through the process? I'm available to chat more if you'd like- just let me
>> know.
>>
>> Thanks, Karen
>>
>>
>> Karen P. Clark
>> Deputy Regional Director
>> U.S. Fish & Wildlife Service- Alaska Region
>> 1011 E Tudor Rd, MS 374
>> Anchorage, AK 99503
>> karen_clark@fws.gov
>> 907.786.3542 office
>> 907.786.3493 direct
>> 907.786.3306 fax
>>
>>
>

To: Stephen Wackowski[stephen_wackowski@ios.doi.gov]
Cc: Lesli Ellis-Wouters[lellis@blm.gov]; Katharine Macgregor[kate_macgregor@ios.doi.gov]; Siekaniec, Greg[greg_siekaniec@fws.gov]; Karen E. Mouritsen[kmourits@blm.gov]; Swift, Heather[heather_swift@ios.doi.gov]; Rigas, Laura[laura_rigas@ios.doi.gov]; Faith Vander Voort[faith_vandervoort@ios.doi.gov]; Ted Murphy[t75murph@blm.gov]; Jeff Krauss[jkrauss@blm.gov]; Winston, Beverly[bwinston@blm.gov]; McIntosh, Stacie J[s05mcint@blm.gov]; Boario, Sara[sara_boario@fws.gov]
From: Cargile, Amber
Sent: 2018-05-31T16:23:03-04:00
Importance: Normal
Subject: Re: Hard Stop on Comments RE: 1002 seismic
Received: 2018-05-31T16:23:14-04:00

In addition to the outlets Lesli just listed, the BLM statement (coordinated with DOI Comms last night) was sent to the Wash Post last night and to E&E (Pamela King w/ Greenwire) today. E&E requested a copy of the application and I advised that it was still under review and not releasable at this time.

For what it's worth, the Washington Post reporter mentioned last night that he had seen the application (I don't know his source) and he also mentioned he had seen a FWS response to the permit application and called it a "tough-worded response" but didn't elaborate further.

The BLM statement:

BLM's Alaska State Office received an application from SA Exploration and partner Arctic Slope Regional Corporation to conduct seismic geophysical exploration within the Alaska Coastal Plain. The Alaska State Office is currently reviewing the application.

The 2017 Tax Cuts & Jobs Act directs the Secretary of the Interior to establish a competitive program for leasing, development, production, and transportation of oil and gas on Alaska's Coastal Plain. Currently, the BLM is conducting public scoping in preparation of an Environmental Impact Statement for the Coastal Plain Oil and Gas Leasing Program.

Amber Cargile

Acting BLM National Spokesperson

Bureau of Land Management

Main Interior Building, Ste.5645

Washington, D.C. 20240

480.392.1422 (mobile)

www.blm.gov

On Thu, May 31, 2018 at 12:57 PM, Boario, Sara <sara_boario@fws.gov> wrote:

Hi Steve -

We have issued no statement out of the Alaska Regional office. The FWS statement referenced below was issued out of our HQ. My understanding is that it was a DOI approved statement.

sb

On Thu, May 31, 2018 at 11:53 AM, Lesli Ellis-Wouters <lellis@blm.gov> wrote:

This response was sent to the following outlets:

Washington Examiner - Josh Siegal

Anchorage Daily News - Alex DeMarban

Alaska Public Media - Elizabeth Harball

We have received an application from SA Exploration and partner Arctic Slope Regional Corporation to conduct seismic geophysical exploration within the Alaska Coastal Plain. The Alaska State Office is currently reviewing the application.

The 2017 Tax Cuts & Jobs Act directs the Secretary of the Interior to establish a competitive program for leasing, development, production, and transportation of oil and gas on Alaska's Coastal Plain. Currently, the BLM is conducting public scoping in preparation of an Environmental Impact Statement for the Coastal Plain Oil and Gas Leasing Program.

Alex and Elizabeth sent follow up requests for a copy of the application where I replied with the FWS statement:

There are no public documents to share at this time. However, such responses are part of a normal, iterative process whereby we work collaboratively with both the permit applicant and our sister federal agencies to identify shortcomings or gaps in information in the application so that we can fully and appropriately evaluate it.

Lesli J. Ellis-Wouters

Communications Director
Alaska State Office
Bureau of Land Management
907-271-4418 | cell - 907-331-8763

On Thu, May 31, 2018 at 11:44 AM Wackowski, Stephen <stephen_wackowski@ios.doi.gov> wrote:

Sara, Lesli-

Hard stop on any comments to press on the WaPo story until a response is coordinated with departmental comms (CC'd). Please send the group the statements you have put out so far and to whom.

We are working on detailing the myraid of inaccuracies in the story and want to have a unified response.

-Steve

Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
4230 University Drive, Suite 300
Anchorage, AK 99508
907-271-5485

--

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



To: Gregory Siekaniec[gregory_siekaniec@fws.gov]; Karen Clark[karen_clark@fws.gov]
Cc: Sara Boario[sara_boario@fws.gov]
From: Howard, Amee
Sent: 2018-06-05T17:37:31-04:00
Importance: Normal
Subject: Fwd: CBS News on AK seismic application comms
Received: 2018-06-05T17:37:40-04:00

FYI - update on communications from DOI

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

From: **Wackowski, Stephen** <stephen_wackowski@ios.doi.gov>
Date: Tue, Jun 5, 2018 at 11:45 AM
Subject: Fwd: CBS News on AK seismic application comms
To: Sara Boario <sara_boario@fws.gov>, "Howard, Amee" <amee_howard@fws.gov>

Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
4230 University Drive, Suite 300
Anchorage, AK 99508
907-271-5485

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

From: Swift, Heather <heather_swift@ios.doi.gov>
Date: Tue, Jun 5, 2018 at 3:43 PM
Subject: Re: CBS News on AK seismic application comms
To: Stephen Wackowski <stephen_wackowski@ios.doi.gov>
Cc: "Cargile, Amber" <acargile@blm.gov>, Joe Balash <joseph_balash@ios.doi.gov>, Katharine MacGregor <katharine_macgregor@ios.doi.gov>, Faith Vander Voort <faith_vandervoort@ios.doi.gov>, Interior Press <interior_press@ios.doi.gov>, Jeff Krauss <jkrauss@blm.gov>, Beverly Winston <bwinston@blm.gov>, Lesli Ellis-Wouters <lellis@blm.gov>, Megan Crandall <mcrandal@blm.gov>, Isabel Benemelis <isabel_benemelis@ios.doi.gov>

And to Steve's point, I was able to get a correction in the article so you can point to that as well.

Washington Post

Correction: A previous version of this article said seismic work in the refuge would be done with explosives. However, due to environmental concerns, most seismic work is now done with special

vehicles with large pistons or other equipment to create vibrations similar to those caused by dynamite. The article also misstated the location of the Arctic National Wildlife Refuge. It is in northeastern Alaska, not in northwestern. The post has since been updated.

-

Heather Swift
Department of the Interior
@DOIPressSec
Heather_Swift@ios.doi.gov | Interior_Press@ios.doi.gov

On Tue, Jun 5, 2018 at 3:38 PM, Stephen Wackowski

[<stephen_wackowski@ios.doi.gov>](mailto:stephen_wackowski@ios.doi.gov) wrote:

>

> Looping in ASLM for input.

>

> Please add something to the effect of: "we are actively working with the project proponents and local Alaska Native stakeholders in Kaktovik on the application."

>

> If it makes sense please give it to them on background that the WaPo story was inaccurate—the techniques described in the story (dynamite, etc.) have not been used on federal lands on Alaska's North Slope in 30 years.

>

>

>

> Sent from my iPhone

>

> On Jun 5, 2018, at 11:07 AM, Cargile, Amber [<acargile@blm.gov>](mailto:acargile@blm.gov) wrote:

>

> Steve/Heather/Faith,

>

> BLM has received inquiries from CBS News and S&P (deadline today) on the application for seismic exploration in the Coastal Plains. Reporters are asking the BLM to release the application and the FWS letter/comments.

>

> Last I heard we were on hold on comms...Do we have new guidance or are we cleared to provide the reporters our previously cleared statement? The statement is pasted below, plus an additional proposed "if asked" response to the request for the documents. Thx!

>

>

> STATEMENT (previously used)

>

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- > Arctic Slope Regional Corporation to conduct seismic geophysical exploration within the Alaska Coastal Plain. The BLM's Alaska State Office is currently reviewing the application.
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- > The 2017 Tax Cuts & Jobs Act directs the Secretary of the Interior to establish a competitive program for leasing, development, production, and transportation of oil and gas on Alaska's Coastal Plain. Currently, the BLM is conducting public scoping in preparation of an Environmental Impact Statement for the Coastal Plain Oil and Gas Leasing Program.
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- >
- >
- > Amber Cargile
- > Acting BLM National Spokesperson
- > Bureau of Land Management
- > Main Interior Building, Ste.5645
- > Washington, D.C. 20240
- > 480.392.1422 (mobile)
- > www.blm.gov

--

Amee Howard

Congressional and State Liaison

U.S. Fish & Wildlife Service

Anchorage, Alaska

Office: (907)786-3509

Mobile: (907)229-8575

[Get Inspired](#)

To: Gregory Siekaniec[gregory_siekaniec@fws.gov]; Karen Clark[karen_clark@fws.gov]
Cc: Sara Boario[sara_boario@fws.gov]
From: Howard, Amee
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Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
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Heather Swift
Department of the Interior
@DOIPressSec
Heather_Swift@ios.doi.gov | Interior_Press@ios.doi.gov

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- > Amber Cargile
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- > www.blm.gov

--

Amee Howard

Congressional and State Liaison

U.S. Fish & Wildlife Service

Anchorage, Alaska

Office: (907)786-3509

Mobile: (907)229-8575

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To: Bert Frost[bert_frost@nps.gov]; Karen Mouritsen[kmourits@blm.gov]; Siekaniec, Greg[greg_siekaniec@fws.gov]
Cc: Tankersley, Yolanda[yolanda_tankersley@nps.gov]; Lucille Frerich[lucille_frerich@fws.gov]; Eileen Frost[efrost@blm.gov]; Stephen Wackowski[steve_wackowski@ios.doi.gov]
From: Monson, Lesia
Sent: 2018-06-26T15:31:32-04:00
Importance: Normal
Subject: OMB/EOP visitors in July/August
Received: 2018-06-26T15:33:10-04:00
[OMB Draft Itinerary.docx](#)

Hi all,

We've been asked to draft an itinerary for a senior officials visit this summer. Travelers include an OMB official and a WH official, along with Todd Willens, DOI Associate Deputy Secretary. Steve will accompany the travelers and there may be one additional TBD DOI official.

We want to share this attached draft itinerary to you so you are aware prior to us reaching out to your field points of contacts. Can you provide some POC names to me for logistics planning?

Please let me know if you have any feedback/recommendations.

Thanks very much,

Lesia

Lesia Monson
Department of the Interior
Office of the Secretary
4230 University Drive, Suite 300
Anchorage, AK 99508
907-271-5485

To: Lucille A Frerich[lucille_frerich@fws.gov]
From: Greg Siekaniec
Sent: 2018-06-26T19:37:52-04:00
Importance: Normal
Subject: letter to BLM
Received: 2018-06-26T19:38:35-04:00
DRAFT BLM Mouritsen letter WaPo follow up (1) (1)ges.docx

Please prepare final of this for signature.

Thank you,

greg

To: Devaris, Aimee[adevaris@usgs.gov]; Greg Siekaniec[greg_siekaniec@fws.gov]
From: Mouritsen, Karen
Sent: 2018-06-29T13:50:59-04:00
Importance: Normal
Subject: Fwd: Tasker
Received: 2018-06-29T13:51:29-04:00

Karen E. Mouritsen
Acting State Director for BLM-Alaska
phone 907-271-5080
cell 202-329-2030

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

From: **Stephen Wackowski** <stephen_wackowski@ios.doi.gov>
Date: Fri, Jun 29, 2018 at 9:31 AM
Subject: Re: Tasker
To: Lisbeth Chandler <lchandle@usgs.gov>, Joseph Hayes <joseph.hayes@boem.gov>
Cc: "Opstal, Daniel" <dopstal@usgs.gov>, "Noyles, Christopher" <cnoyles@blm.gov>, Karen Mouritsen <kmourits@blm.gov>, Catherine Hillis <chillis@blm.gov>, gs_commercial_requests_gims@usgs.gov

Thanks for following up. In general, did you see a lot of caribou and their calves on the eastern side of ANWR (not in 10-02) and in Canada as the State of Alaska asserted?
I will head over to Chris' office in the SKIF to see the collects when he gets back from the UAS ops over TAPS. If possible, I would like a few simple unclass products to display at the International Porcupine Caribou Herd meeting in September. Also, if the Canada rep to the NGA needs some background on this directly from me I would be happy to do a call.
In the mean time could you set up a time with ASLM Joe Balash to show him the products and give him a general brief on the NCAC in the SKIF in MIB?

Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
4230 University Drive, Suite 300
Anchorage, AK 99508
[907-271-5485](tel:907-271-5485)

On Wed, Jun 27, 2018 at 10:19 AM Chandler, Lisbeth <lchandle@usgs.gov> wrote:

Caribou enthusiasts,

Much of the stereo commercial imagery for this project has recently collected. Let us know if it meets your needs.

P.S. Steven and Andy are exploring other sensors, and that is still in the review process.

Lisbeth Chandler
Geographer

National Civil Applications Center
U.S. Geological Survey
Mail Stop 562
12201 Sunrise Valley Drive
Reston, VA 20192

703-648-7882

On Tue, Jun 19, 2018 at 12:08 PM, Stephen Wackowski <stephen_wackowski@ios.doi.gov> wrote:

Thanks. I was hoping to see if there is any potential of good product from non-commercial means as well.

Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
4230 University Drive, Suite 300
Anchorage, AK 99508
907-271-5485

On Tue, Jun 19, 2018 at 11:59 AM Chandler, Lisbeth <ljchandle@usgs.gov> wrote:

- >
- > It turns out that NGA already had this area in for collection on commercial, so they are going to up the collection priority on these cells for us.
- >
- > Another resource to consider is Plant Labs. The NGA Planet contract does not cover civil agencies, but I believe imagery can be purchased off the GSA schedule. I bring this up because Planet has a good repeat.
- >
- > Lisbeth Chandler
- > Geographer
- >
- > National Civil Applications Center
- > U.S. Geological Survey
- > Mail Stop 562
- > 12201 Sunrise Valley Drive
- > Reston, VA 20192

>
> 703-648-7882
>
> On Tue, Jun 19, 2018 at 9:37 AM, Stephen Wackowski <stephen_wackowski@ios.doi.gov>
wrote:
>>
>> I am the US lead on the International Porcupine Caribou Herd Treaty
>> Board and am meeting with my Canadian counterparts in September. The
>> calving grounds of the herd has a high level of visibility. This data
>> will be helpful in my meetings with our Canadian partners as it should
>> depict calving outside of the 10-02 area of ANWR.
>>
>> This also has potential to help inform our 10-02 lease sale EIS, which
>> is a secretarial and administration priority.
>>
>> All this being said this should be a secondary priority to any
>> firefighting requirements you currently have in Alaska.
>>
>> Does that justification suffice?
>>
>>
>> Steve Wackowski
>> Senior Adviser for Alaskan Affairs
>> Department of the Interior
>> 4230 University Drive, Suite 300
>> Anchorage, AK 99508
>> 907-271-5485
>> On Tue, Jun 19, 2018 at 9:26 AM Chandler, Lisbeth <lchandle@usgs.gov> wrote:
>> >
>> > Chris, et al.
>> >
>> > Can someone provide a short justification for us to put into the request and how it fits into
the Federal mission? Points can be tasked daily on commercial if you can provide updated
coordinates each morning. Otherwise, the herd will just move out of the scene before the
shot occurs.
>> >
>> > Also the points may very well impact the BLM Alaska state-wide collection. Scott
Keesey has an update for that one on the call this afternoon.
>> >
>> > Thanks,
>> > Libby
>> >
>> > Lisbeth Chandler
>> > Geographer
>> >
>> > National Civil Applications Center
>> > U.S. Geological Survey

>> > Mail Stop 562
>> > 12201 Sunrise Valley Drive
>> > Reston, VA 20192
>> >
>> > 703-648-7882
>> >
>> > On Tue, Jun 19, 2018 at 8:06 AM, Daniel Opstal <dopstal@usgs.gov> wrote:
>> >>
>> >> Chris/Libby/Steven Hak,
>> >>
>> >> Please see tasking request below. I am at Army War College residency - would appreciate it if you could assist Steve Wackowski.
>> >>
>> >> Thanks all,
>> >> Dan
>> >>
>> >> On Jun 18, 2018, at 9:00 PM, Noyles, Christopher <cnoyles@blm.gov> wrote:
>> >>
>> >> Steve,
>> >>
>> >> Dan has a 4 hour lead on me tomorrow but I will follow up with my thoughts and see if we can get something turned quickly. I don't control the weather but we'll do our best.
>> >>
>> >>
>> >> Dan,
>> >>
>> >> I believe we have several options combined (NS & CI), I suggest we exercise them all. Despite the suggestion the caribou will be there for the next 10-20 days, I would recommend we press for collection sooner vice later. Short turn on periodicity 1 in 3, maybe less if DG can accommodate. Caribou are very nomadic and move a lot and often. I suspect as soon as calves are mobile they will be moving.
>> >>
>> >>
>> >> I'll call you tomorrow before talking to Andy/Libby.
>> >>
>> >>
>> >>
>> >> Cheers,
>> >>
>> >>
>> >> Chris
>> >>
>> >> Christopher C. Noyles
>> >> Civil Applications Committee - Alaska Liaison
>> >> US Department of Interior/Bureau of Land Management
>> >> Alaska State Office, Division of Support Services
>> >> 222 West 7th Ave # 13, Anchorage AK 99513

>>>> Phone: (907) 271-5693
>>>> Personal Cell: (b) (6)
>>>> FAX: (907) 271-3118
>>>> email: cnoyles@blm.gov
>>>>
>>>> Click on this button to take a short survey and tell my boss how I'm doing
<Vote_Button_sm.ico>
>>>>
>>>> On Mon, Jun 18, 2018 at 4:32 PM, Stephen Wackowski
<stephen_wackowski@ios.doi.gov> wrote:
>>>>
>>>>> Looking for caribou in the area below. Can you guys do some collects and let us know
what you see?
>>>>>
>>>>> Note the timely request. Thanks.
>>>>>
>>>>>
>>>>> Sent from my iPhone
>>>>>
>>>>> Begin forwarded message:
>>>>>
>>>>> From: "Caikoski, Jason R (DFG)" <jason.caikoski@alaska.gov>
>>>>> Date: June 18, 2018 at 7:59:40 PM EDT
>>>>> To: Stephen Wackowski <stephen_wackowski@ios.doi.gov>
>>>>> Subject: RE: [EXTERNAL] RE: Quick call
>>>>>
>>>>> 68.5 x -140.0
>>>>> 68.5 x -138.0
>>>>> 69.2 x -140.0
>>>>> 69.2 x -138.0
>>>>>
>>>>> Units decimal degrees.
>>>>>
>>>>> Should be 100,000+ caribou in that area as of today. The above is about a 50 mile by
25 mile area.
>>>>>
>>>>>
>>>>>
>>>>> Jason Caikoski
>>>>> Wildlife Biologist
>>>>> Alaska Dept. of Fish and Game
>>>>> [1300 College Road](#)
>>>>> [Fairbanks, AK 99701](#)
>>>>> [\(907\) 459-7300](#)
>>>>> e-mail: jason.caikoski@alaska.gov
>>>>>
>>>>>

>>>> -----Original Message-----
>>>> From: Stephen Wackowski [mailto:stephen_wackowski@ios.doi.gov]
>>>> Sent: Monday, June 18, 2018 3:39 PM
>>>> To: Caikoski, Jason R (DFG)
>>>> Subject: Re: [EXTERNAL] RE: Quick call
>>>>
>>>> Canada is fine. Thank you.
>>>>
>>>>
>>>>
>>>> Steve Wackowski
>>>> Senior Adviser for Alaskan Affairs
>>>> Department of the Interior
>>>> 4230 University Drive, Suite 300
>>>> Anchorage, AK 99508
>>>> 907-271-5485
>>>>
>>>> On Mon, Jun 18, 2018 at 7:32 PM Caikoski, Jason R (DFG)
>>>> <jason.caikoski@alaska.gov> wrote:
>>>>
>>>>
>>>> Hi Steve,
>>>>
>>>> The bulk of the PCH calved in Canada. Can the corner points be around caribou in
Canada or does it need to be in U.S.?
>>>>
>>>>
>>>> Jason
>>>>
>>>>
>>>>
>>>>
>>>> Jason Caikoski
>>>>
>>>> Wildlife Biologist
>>>>
>>>> Alaska Dept. of Fish and Game
>>>>
>>>> 1300 College Road
>>>>
>>>> Fairbanks, AK 99701
>>>>
>>>> (907) 459-7300
>>>>
>>>> e-mail: jason.caikoski@alaska.gov
>>>>
>>>>

>> >>>
>> >>>
>> >>>
>> >>> -----Original Message-----
>> >>>
>> >>> From: Stephen Wackowski [mailto:stephen_wackowski@ios.doi.gov]
>> >>>
>> >>> Sent: Monday, June 18, 2018 1:19 PM
>> >>>
>> >>> To: Parrett, Lincoln S (DFG)
>> >>>
>> >>> Cc: Caikoski, Jason R (DFG)
>> >>>
>> >>> Subject: Re: [EXTERNAL] RE: Quick call
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>> >>> If you guys could get me corner points on a box area of interest for
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>> >>> the porcupine herd, in particular, wide-area where they are with
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>> >>> calves right now for the next 10-20 days that would be great.
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>> >>>
>> >>>
>> >>> Steve Wackowski
>> >>>
>> >>> Senior Adviser for Alaskan Affairs
>> >>>
>> >>> Department of the Interior
>> >>>
>> >>> [4230 University Drive, Suite 300](#)
>> >>>
>> >>> [Anchorage, AK 99508](#)
>> >>>
>> >>> [907-271-5485](#)
>> >>
>> >>
>> >
>
>

To: Karen Mouritsen[kmourits@blm.gov]
From: Greg Siekaniec
Sent: 2018-08-08T20:53:36-04:00
Importance: Normal
Subject: Re: Joe's AK Itinerary
Received: 2018-08-08T20:54:26-04:00

thanks Karen

On Wed, Aug 8, 2018 at 2:58 PM Mouritsen, Karen <kmourits@blm.gov> wrote:

Karen E. Mouritsen
Acting State Director for BLM-Alaska
phone 907-271-5080
cell 202-329-2030

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

From: **Seidlitz, Joseph (Gene)** <gseidlitz@blm.gov>
Date: Wed, Aug 8, 2018 at 11:25 AM
Subject: Fwd: Joe's AK Itinerary
To: Ted Murphy <t75murph@blm.gov>, "Mouritsen, Karen" <kmourits@blm.gov>

Hi

Gene Seidlitz
ASLM Analyst-Liaison
202 208 4555 (O)
775 304 1008 (C)

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

From: **Lassiter, Tracie** <tracie_lassiter@ios.doi.gov>
Date: Wed, Aug 8, 2018 at 3:16 PM
Subject: Joe's AK Itinerary
To: Lesia Monson <lesia_monson@ios.doi.gov>
Cc: Stephen Wackowski <steve_wackowski@ios.doi.gov>, "Joseph (Gene) Seidlitz" <gseidlitz@blm.gov>

Hi Lesia:

Please see below:

WEDNESDAY, August 8, 2018

12:05pm Depart New Orleans Airport via United Flight #520
Confirmation#: IQS5Y7 (Duluth Travel Reservations#
1-855-847-6398)

Seat: 29B
1:14pm Arrive Houston (connection)
Confirmation#: #: IQS5Y7
Seat: 39C

2:20pm Depart Houston Airport via United Flight #1291

6:38pm Arrive Anchorage, AK (Pick up rental car)

RENTAL CAR: Budget Rental Car, PH: 1-907-243-0150, Confirmation
#40845450US2.

LODGING: Springhill Suites University Marriott, 4050 University Lake Drive,
Anchorage, AK_99508, PH: 504-561-0500, Fax: 504-584-3989, Confirmation
#72158129.

THURSDAY, August 9, 2018

Level 3 GMT2 Meeting/Coordination

Aug. 9th	12 3 p.m.	Level 3 GMT2 Meeting/Coordination	BLM Alaska State Office, Kodiak A conference room 1-888-989-8852, passcode 6559254
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FRIDAY, August 10, 2018

Caribou Subject Matter Expertise Meeting/Coordination

Aug. 10th	9 10 a.m.	Caribou Subject Matter Expertise Meeting/Coordination	BLM Alaska State Office, State Director's conference room
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Coastal Plain Reasonable Foreseeable Development

Aug 10 th	10:45-11:45 a.m.	Coastal Plain Reasonable Foreseeable Development	BLM Alaska State Office, State Director's conference room
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SATURDAY, August 11, 2018

ON PERSONAL LEAVE

SUNDAY, August 12, 2018

RENTAL CAR: Budget Rental Car, PH: 1-907-243-0150, Confirmation #40845594US6.

LODGING: Springhill Suites University Marriott, 4050 University Lake Drive, Anchorage, AK 99508, PH: 504-561-0500, Fax: 504-584-3989, Confirmation #73772504.

MONDAY, August 13, 2018

Ring of Fire – Haines Amendment Range of Alternatives

Aug. 13th	10:45 11:45 a.m	Ring of Fire Haines Amendment Range of Alternatives	BLM Alaska State Office, State Director's conference room
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Joint Signing of One Federal Decision - Donlin

Aug. 13	1 3 p.m.	Donlin Joint ROD signing	Joint Base Elmendorf/Richardson U.S. Army Corps of Engineers
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TUESDAY, August 14, 2018

BLM Alaska Resource Advisory Council

Aug. 14	9 a.m. 4 p.m.	BLM Alaska Resource Advisory Council	Robert B. Atwood Building Conference Room 104
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9:00am rental) _Depart for Anchorage Airport (approx time/drop off

**10:17am Depart Anchorage Airport via Alaska Air Flight #538
Confirmation#: POGSEC (Duluth Travel
Reservations# 1-855-847-6398)
Seat: 09C**

11:15am Arrive Fairbanks, AK (Pick up rental car)

RENTAL CAR: Thrifty Rental Car, PH: 1-907-451-1048, Confirmation #H75033493C3.

LODGING: Best Western Plus Chena River, 1255 Tvsa Way, Fairbanks, AK 99709, PH: 907-328-3500, Fax: 907-328-3607, Confirmation #73772504.

WEDNESDAY, August 15, 2018

9:30am Depart Hotel for Fort Knox (approx departure time)

11:00am Fort Knox Gilmore Expansion Groundbreaking Event

Program

Aug. 15	11:00 a.m.	Gilmore Groundbreaking Ceremony for Ft. Knox Mine	Kinross' Fort Knox Mine Approx.. 30 miles northeast of Fairbanks
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2:45pm _Depart for Fairbanks Airport (approx departure time)

**3:45pm Depart Fairbanks Airport via Alaska Air Flight #190
Confirmation#: POGSEC (Duluth Travel
Reservations# 1-855-847-6398)
Seat: 12D**

4:45pm Arrive Anchorage, AK (Taxi/Shuttle to Hotel)

**LODGING: Anchorage Hilton Garden Inn, 4555 Union Square Drive, Anchorage,
AK 99503, PH: 907-729-7000, Fax: 907-729-8000, Confirmation #3481884702.**

THURSDAY, August 16, 2018

**6:45am Depart hotel for Anchorage Airport (approx departure
time)**

**8:05am Depart Anchorage Airport via Alaska Air Flight #112
Confirmation#: POGSEC (Duluth Travel
Reservations# 1-855-847-6398)
Seat: 13C**

**12:35pm Arrive Seattle (connection)
Confirmation#: POGSEC
Seat: 13C**

1:47pm Depart Seattle Airport via Alaska Air Flight #2

**9:58pm Arrive National Airport (Taxi Home or to Office to pick
up car)**

--

Thanks,

Tracie L. Lassiter

U.S. Department of the Interior

Office of the Secretary

Land & Minerals Management

1849 C. Street, NW, Room 6615

Washington, DC 20240

(o) 202-208-6734

(f) 202- 208-3619

Tracie_Lassiter@ios.doi.gov

To: Devaris, Aimee[adevaris@usgs.gov]; Greg Siekaniec[greg_siekaniec@fws.gov]
From: Mouritsen, Karen
Sent: 2018-06-29T13:50:59-04:00
Importance: Normal
Subject: Fwd: Tasker
Received: 2018-06-29T13:51:29-04:00

Karen E. Mouritsen
Acting State Director for BLM-Alaska
phone 907-271-5080
cell 202-329-2030

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

From: **Stephen Wackowski** <stephen_wackowski@ios.doi.gov>
Date: Fri, Jun 29, 2018 at 9:31 AM
Subject: Re: Tasker
To: Lisbeth Chandler <lchandle@usgs.gov>, Joseph Hayes <joseph.hayes@boem.gov>
Cc: "Opstal, Daniel" <dopstal@usgs.gov>, "Noyles, Christopher" <cnoyles@blm.gov>, Karen Mouritsen <kmourits@blm.gov>, Catherine Hillis <chillis@blm.gov>, gs_commercial_requests_gims@usgs.gov

Thanks for following up. In general, did you see a lot of caribou and their calves on the eastern side of ANWR (not in 10-02) and in Canada as the State of Alaska asserted?
I will head over to Chris' office in the SKIF to see the collects when he gets back from the UAS ops over TAPS. If possible, I would like a few simple unclass products to display at the International Porcupine Caribou Herd meeting in September. Also, if the Canada rep to the NGA needs some background on this directly from me I would be happy to do a call.
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Senior Adviser for Alaskan Affairs
Department of the Interior
4230 University Drive, Suite 300
Anchorage, AK 99508
[907-271-5485](tel:907-271-5485)

On Wed, Jun 27, 2018 at 10:19 AM Chandler, Lisbeth <lchandle@usgs.gov> wrote:

Caribou enthusiasts,

Much of the stereo commercial imagery for this project has recently collected. Let us know if it meets your needs.

P.S. Steven and Andy are exploring other sensors, and that is still in the review process.

Lisbeth Chandler
Geographer

National Civil Applications Center
U.S. Geological Survey
Mail Stop 562
12201 Sunrise Valley Drive
Reston, VA 20192

703-648-7882

On Tue, Jun 19, 2018 at 12:08 PM, Stephen Wackowski <stephen_wackowski@ios.doi.gov> wrote:

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- >
- > Lisbeth Chandler
- > Geographer
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- > National Civil Applications Center
- > U.S. Geological Survey
- > Mail Stop 562
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>
> 703-648-7882
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>> All this being said this should be a secondary priority to any
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>> Does that justification suffice?
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>> Department of the Interior
>> 4230 University Drive, Suite 300
>> Anchorage, AK 99508
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>> > 12201 Sunrise Valley Drive
>> > Reston, VA 20192
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>> > On Tue, Jun 19, 2018 at 8:06 AM, Daniel Opstal <dopstal@usgs.gov> wrote:
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>> >> Chris/Libby/Steven Hak,
>> >>
>> >> Please see tasking request below. I am at Army War College residency - would appreciate it if you could assist Steve Wackowski.
>> >>
>> >> Thanks all,
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>> >>
>> >> On Jun 18, 2018, at 9:00 PM, Noyles, Christopher <cnoyles@blm.gov> wrote:
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>> >> Steve,
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>> >> Dan has a 4 hour lead on me tomorrow but I will follow up with my thoughts and see if we can get something turned quickly. I don't control the weather but we'll do our best.
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>> >>
>> >> Cheers,
>> >>
>> >>
>> >> Chris
>> >>
>> >> Christopher C. Noyles
>> >> Civil Applications Committee - Alaska Liaison
>> >> US Department of Interior/Bureau of Land Management
>> >> Alaska State Office, Division of Support Services
>> >> 222 West 7th Ave # 13, Anchorage AK 99513

>>>> Phone: (907) 271-5693
>>>> Personal Cell: (907) 854-8896
>>>> FAX: (907) 271-3118
>>>> email: cnoyles@blm.gov
>>>>
>>>> Click on this button to take a short survey and tell my boss how I'm doing
<Vote_Button_sm.ico>
>>>>
>>>> On Mon, Jun 18, 2018 at 4:32 PM, Stephen Wackowski
<stephen_wackowski@ios.doi.gov> wrote:
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>>>>> Looking for caribou in the area below. Can you guys do some collects and let us know
what you see?
>>>>>
>>>>> Note the timely request. Thanks.
>>>>>
>>>>>
>>>>> Sent from my iPhone
>>>>>
>>>>> Begin forwarded message:
>>>>>
>>>>> From: "Caikoski, Jason R (DFG)" <jason.caikoski@alaska.gov>
>>>>> Date: June 18, 2018 at 7:59:40 PM EDT
>>>>> To: Stephen Wackowski <stephen_wackowski@ios.doi.gov>
>>>>> Subject: RE: [EXTERNAL] RE: Quick call
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>>>>> 68.5 x -140.0
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>>>>> Jason Caikoski
>>>>> Wildlife Biologist
>>>>> Alaska Dept. of Fish and Game
>>>>> [1300 College Road](#)
>>>>> [Fairbanks, AK 99701](#)
>>>>> (907) 459-7300
>>>>> e-mail: jason.caikoski@alaska.gov
>>>>> =====
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>>>> From: Stephen Wackowski [mailto:stephen_wackowski@ios.doi.gov]
>>>> Sent: Monday, June 18, 2018 3:39 PM
>>>> To: Caikoski, Jason R (DFG)
>>>> Subject: Re: [EXTERNAL] RE: Quick call
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>>>> Canada is fine. Thank you.
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>>>> Senior Adviser for Alaskan Affairs
>>>> Department of the Interior
>>>> [4230 University Drive, Suite 300](#)
>>>> [Anchorage, AK 99508](#)
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>>>> FAX: (907) 271-3118
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>>>> =====
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>>>>
>>>> 1300 College Road
>>>>
>>>> Fairbanks, AK 99701
>>>>
>>>> (907) 459-7300
>>>>
>>>> e-mail: jason.caikoski@alaska.gov
>>>>
>>>> =====

>> >>>
>> >>>
>> >>>
>> >>> -----Original Message-----
>> >>>
>> >>> From: Stephen Wackowski [mailto:stephen_wackowski@ios.doi.gov]
>> >>>
>> >>> Sent: Monday, June 18, 2018 1:19 PM
>> >>>
>> >>> To: Parrett, Lincoln S (DFG)
>> >>>
>> >>> Cc: Caikoski, Jason R (DFG)
>> >>>
>> >>> Subject: Re: [EXTERNAL] RE: Quick call
>> >>>
>> >>>
>> >>> If you guys could get me corner points on a box area of interest for
>> >>>
>> >>> the porcupine herd, in particular, wide-area where they are with
>> >>>
>> >>> calves right now for the next 10-20 days that would be great.
>> >>>
>> >>>
>> >>>
>> >>> Steve Wackowski
>> >>>
>> >>> Senior Adviser for Alaskan Affairs
>> >>>
>> >>> Department of the Interior
>> >>>
>> >>> [4230 University Drive, Suite 300](#)
>> >>>
>> >>> [Anchorage, AK 99508](#)
>> >>>
>> >>> [907-271-5485](#)
>> >>
>> >>
>> >
>
>

To: Sara Boario[sara_boario@fws.gov]
From: Greg Siekaniec
Sent: 2018-07-31T11:53:35-04:00
Importance: Normal
Subject: Fwd: Coastal Plain Seismic Statement
Received: 2018-07-31T11:53:45-04:00

FYI
Sent from my iPhone

Begin forwarded message:

From: Karen Mouritsen <kmourits@blm.gov>
Date: July 28, 2018 at 5:16:37 PM AKDT
To: karen_clark@fws.gov, Greg Siekaniec <greg_siekaniec@fws.gov>
Subject: Fwd: Coastal Plain Seismic Statement

Karen Mouritsen
Acting State Director, BLM Alaska
907-271-5080
202-329-2030 cell
Sent from my iPhone

Begin forwarded message:

From: Lesli Ellis-Wouters <lellis@blm.gov>
Date: July 27, 2018 at 3:27:54 PM AKDT
To: Ted Murphy <t75murph@blm.gov>, "Nichelle (Shelly) Jacobson" <njones@blm.gov>, Michael Gieryic <mike.gieryic@sol.doi.gov>, James Hart <jehart@blm.gov>, Wayne Svejnoha <wsvejnoh@blm.gov>, Robert Brumbaugh <rbrumbau@blm.gov>, "Karen E. Mouritsen" <kmourits@blm.gov>, Lisa Gleason <lgleason@blm.gov>, "Hayes, Miriam (Nicole)" <mnhayes@blm.gov>, Serena Sweet <ssweet@blm.gov>
Subject: Coastal Plain Seismic Statement

All,
Here is the final approved statement for the Coastal Plain seismic. Use this for your own messaging when discussing the project, but please continue to forward all media queries to my office. Thanks

"As we have done for seismic applications in the National Petroleum Reserve in Alaska, after we have determined the application to be complete we initiate an environmental review. Part of that review is developing a project website in ePlanning and that is where the proposed action is posted until the review is completed. Currently, we are seeking substantive public input to help guide our review of this proposed action.

The U.S. Fish and Wildlife Service conducted an Environmental Impact Statement in February 1983 for Proposed Oil and Gas Exploration within the Coastal Plain of the Arctic National Wildlife Refuge and concluded that there would be no significant impacts. Additionally, prior seismic activity in the NPR-A was found to have minimal impacts to the environment and all seismic activities were permitted through environmental assessments (EA). If through the environmental review process the BLM finds the proposed activity could result in significant impacts, an environmental impact statement (EIS) will be required, which requires notice in the Federal Register. An EA does not require a Federal Register notice. Once an EA and draft Finding of No Significant Impact is completed, we will provide a 30-day public comment period before any decisions are issued.

Modern seismic techniques in the arctic are known to be minimally impactful. They continue to operate in the NPR-A, an environment similar to the Coastal Plain, with no significant impacts to wildlife or subsistence activities.

Geophysical exploration can be authorized without a lease and is considered a separate activity from the leasing process."

Lesli J. Ellis-Wouters

Communications Director
Alaska State Office
Bureau of Land Management

907-271-4418 | cell - 907-331-8763

To: Berendzen, Steve[steve_berendzen@fws.gov]; Joanna Fox[joanna_fox@fws.gov]
From: Greg Siekaniec
Sent: 2018-08-08T20:56:01-04:00
Importance: Normal
Subject: Fwd: Table of Trips - Aug. 2018
Received: 2018-08-08T20:56:42-04:00
Table of Trips Aug 2018.docx

Steve/Joanna,

Are you in the loop on the proposed consultations noted at the end of the attached table? I understand they may not be scheduled but would like to know if we are being considered as participants.

Thanks,

greg

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

From: Mouritsen, Karen <kmourits@blm.gov>
Date: Wed, Aug 8, 2018 at 2:59 PM
Subject: Fwd: Table of Trips - Aug. 2018
To: Greg Siekaniec <greg_siekaniec@fws.gov>

see the g to g at bottom of list.
also , the Ft Yukon trip is not yet arranged.

Karen E. Mouritsen
Acting State Director for BLM-Alaska
phone 907-271-5080
cell 202-329-2030

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

From: Frost, Eileen <efrost@blm.gov>
Date: Tue, Aug 7, 2018 at 1:41 PM
Subject: Table of Trips - Aug. 2018
To: Karen Mouritsen <kmourits@blm.gov>, "Murphy, Ted" <t75murph@blm.gov>, James Hart <jehart@blm.gov>, Leslie Rosenberger <rosenberger@blm.gov>

Hi Karen and Ted,

Attached is the most current "Table of Trips" that Jim just forwarded. I made just a few edits. Do you know of anything else that should be added, or do you have edits? Would you like your ANC-FAI travel added to Aug. 24 and 27?

Thanks, ~Eileen

--

Best Regards,

Eileen A. Frost

Executive Assistant to Karen E. Mouritsen
Acting State Director
Bureau of Land Management
222 W. 7th Avenue, #13
Anchorage, AK 99513
907-271-5080

To: Lemons, Patrick[patrick_lemons@fws.gov]; Ryan Wilson[ryan_r_wilson@fws.gov]; Christopher Putnam[christopher_putnam@fws.gov]; Greg Siekaniec[greg_siekaniec@fws.gov]; Mary Colligan[mary_colligan@fws.gov]
Cc: Todd Atwood[tatwood@usgs.gov]; George Durner[gdurner@usgs.gov]; Brian Wright[bwright@usgs.gov]; Noyles, Christopher[cnoyles@blm.gov]; Catherine Hillis[chillis@blm.gov]; Zimmerman, Christian[czimmerman@usgs.gov]; Opstal, Daniel[dopstal@usgs.gov]; Paul Young[pyoung@usgs.gov]
From: Wackowski, Stephen
Sent: 2018-10-10T16:26:54-04:00
Importance: Normal
Subject: NCAC briefing on Den Detection
Received: 2018-10-10T16:28:20-04:00
[NCAC 101 Oct 2018.pptx](#)

Gents-

See the attached brief. Through the USGS's NCAC, our remote sensing brethren in the Intelligence Community have offered to see if they can detect dens through National Imagery Systems. Short of any major finding, this is meant to be an experiment with no immediate impact on any enforcement/EIS work we have on the slope this season.

I am working on compiling a brief for them on how we currently detect dens.

Could USFWS please send over some aerial IR video clips and any briefing slides you have done for the industry on this? I am aware of the "dens what to look for" that include ground pictures of dens.

My Best,

Steve

Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
[4230 University Drive, Suite 300](#)
[Anchorage, AK 99508](#)
907-271-5485

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

From: **Young, Paul** <pyoung@usgs.gov>
Date: Wed, Oct 10, 2018 at 3:43 PM
Subject: Re: NCAC 101 Brief
To: Stephen Wackowski <stephen_wackowski@ios.doi.gov>
Cc: Daniel Opstal <dopstal@usgs.gov>

Is this the type of slides you were looking for? I put some information into the notes section. Holler if you need something else.

Paul

Paul M. Young
Director, National Civil Applications Center

U.S. Geological Survey
12201 Sunrise Valley Drive, Mail Stop 562
Reston, VA 20192

(703) 648-5115 - Voice
(703) 648-6057 - Fax

On Tue, Oct 9, 2018 at 5:12 PM Wackowski, Stephen <stephen_wackowski@ios.doi.gov> wrote:

ok

Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
[4230 University Drive, Suite 300](#)
[Anchorage, AK 99508](#)
907-271-5485

On Tue, Oct 9, 2018 at 5:10 PM Young, Paul <pyoung@usgs.gov> wrote:

Good to know. Do I have a couple of days to get something to you?

Paul

Paul M. Young
Director, National Civil Applications Center

U.S. Geological Survey
12201 Sunrise Valley Drive, Mail Stop 562
Reston, VA 20192

(703) 648-5115 - Voice
(703) 648-6057 - Fax

On Tue, Oct 9, 2018 at 4:30 PM Wackowski, Stephen <stephen_wackowski@ios.doi.gov> wrote:

USFWS marine mammal biologists. I am getting some data from them on my briefing to the NCAC this Nov and would like to explain to them what the NCAC is/does.

Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
4230 University Drive, Suite 300
Anchorage, AK 99508
907-271-5485

On Tue, Oct 9, 2018 at 4:23 PM Young, Paul <pyoung@usgs.gov> wrote:

Steve,
Will do. Can you tell me who the audience is? I customize the intro slides depending on who they are for.

Thanks,

Paul

Paul M. Young
Director, National Civil Applications Center

U.S. Geological Survey
12201 Sunrise Valley Drive, Mail Stop 562
Reston, VA 20192

(703) 648-5115 - Voice
(703) 648-6057 - Fax

On Tue, Oct 9, 2018 at 2:33 PM Wackowski, Stephen <stephen_wackowski@ios.doi.gov> wrote:

Do you guys have a good UNCLASS brief on the NCAC you could send my way?

Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
4230 University Drive, Suite 300
Anchorage, AK 99508
907-271-5485

To: Colligan, Mary[mary_colligan@fws.gov]
Cc: Hilderbrand, Grant[ghilderbrand@usgs.gov]; Greg Siekaniec[greg_siekaniec@fws.gov]; Christopher Putnam[Christopher_Putnam@fws.gov]; Aimee Devaris[adevaris@usgs.gov]; Christian Zimmerman[czimmerman@usgs.gov]
From: Lemons, Patrick
Sent: 2018-09-17T15:29:34-04:00
Importance: Normal
Subject: Re: Estimate of Take of Denning Polar Bears During Seismic Activities in the 1002
Received: 2018-09-17T15:29:40-04:00

Hi Grant,
I just got back in town. As Mary said, thanks to you and your polar bear team for turning this around so quickly. We appreciate the support and objective review, particularly on the expedited timeline.

Cheers,
Patrick

On Thu, Sep 13, 2018 at 9:20 AM, Colligan, Mary <mary_colligan@fws.gov> wrote:

Grant - Thank you to Todd, George and the others on your team who provided this very helpful review in a very quick timeframe. It is much appreciated.

Mary

On Thu, Sep 13, 2018 at 9:11 AM, Hilderbrand, Grant <ghilderbrand@usgs.gov> wrote:

Hello Patrick,

Based on your request a sub-set of the USGS polar bear research team reviewed the attachment titled "Denning Bears 11Sept2018 – All 26 pages". Given your timeframe and your request for an "informal" review, we focused on the following three questions:

- 1) Does the document utilize the most appropriate and current available science?
- 2) Is the approach technically and logically sound?
- 3) Are the assumptions consistent with the current state of knowledge relative to polar bear ecology?

Relative to question 1, all relevant and current literature and available science is cited. We are not aware of other important available publications (though note our reference to Durner 2006 below).

Relative to question 2, the approach outlined in the document is generally clear, well described, and logical.

One suggestion would be to incorporate denning habitat and the likelihood of use of regions within the 1002 Area to improve the robustness of the simulation described on page 12. Relative to denning habitat, dens occur where wind-blown snow accumulates to a depth sufficient for the female to construct a den. The simulation could be improved by restricting dens to those near mapped denning habitat (i.e., within 145m; 32 of 38 dens reported in Durner et al. 2006). Relative to the likelihood of use, USGS does have data that might allow the estimation of the likelihood that a particular area of the 1002 Area is used by a pregnant bear. The USGS database has records of 33 maternal dens that were discovered through VHF or satellite telemetry from 1984-2014. Assuming

that those 33 den records are not biased by human search effort, then a distribution of maternal denning likelihood in the 1002 Area could be generated.

Relative to question 3, while we recognize that gaps exist in our collective scientific knowledge regarding the ecology of polar bears, the assumptions that form the foundation of the analyses in this document are consistent with our shared current knowledge of polar bears ecology. Further, the caveats associated with the parameters were adequately described.

Finally, some minor editorial notes:

- 1) We recommend using a point estimate of 907 bears rather than 900 which is the point estimate listed in the IUCN Polar Bear Specialists Group Population Status Table based on Bromaghin et al. (2015).
- 2) On page 10 at detection probability of 0.62 was identified and based on Amstrup et al. (2004). As this number was not explicitly reported in the paper we recommend its derivation/selection be described in more detail.
- 3) It would be helpful to describe the distribution of dens relative to SAE seismic tracks in more detail on page 14 instead of just "All dens not detected by AIR or collapsed by vehicles are likely to be within 101m (300 ft) or less of a seismic tract".
- 4) The first full sentence on the top of page 17 that reads: "We evaluated whether den disturbances near pre-existing or recurring Industry activities had different outcomes than den disturbances **near** industry" should read: "We evaluated whether den disturbances near pre-existing or recurring Industry activities had different outcomes than den disturbances **away from** industry".

All the best,

Grant

On Tue, Sep 11, 2018 at 4:24 PM, Lemons, Patrick <patrick_lemons@fws.gov> wrote:

Hi Grant,

As discussed over the phone, we'd like to request an informal review of the enclosed document analyzing disturbance and take of polar bears incidental to proposed seismic activities in the 1002 Area. Specifically the attached 25 page document is a draft of the "Denning Bears" section of the analysis that would be included if we promulgate Incidental Take Regulations. We have a briefing on Thursday afternoon so ideally we'd like your comments by close of business Wednesday the 12th of September. I realize that is a very rapid turn around for a 25 page document. If that timeline is not possible, would it be possible to let us know if you see any red flags before Thursday morning? We also have a briefing with DOI Headquarters late next week so if you do decide you need more time, would it be possible to have your full comments back to us by Monday, September 17th?

I've also included a short 4 page briefing to help with understanding some of our determination under the MMPA. Hopefully this will be useful. If you have any questions, please reach out to Mary Colligan (907-786-3505) or Christopher Putnam (907-786-3844) as I will be out of touch starting tomorrow through the rest of the week.

Thanks for considering this request.

Patrick

--

Patrick Lemons, Ph.D.

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

--

Grant V. Hilderbrand, Ph.D., C.W.B.
Marine Ecosystems Office
Alaska Science Center
USGS
4210 University Drive
Anchorage, AK 99508
(907) 786-7076
ghilderbrand@usgs.gov

--

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

--

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

To: Greg Siekaniec[greg_siekaniec@fws.gov]; Karen Clark[karen_clark@fws.gov]; Mary Colligan[mary_colligan@fws.gov]
From: Murphy, Ted
Sent: 2018-09-21T20:11:56-04:00
Importance: Normal
Subject: Fwd: Review
Received: 2018-09-21T20:12:11-04:00
Review of Estimation of Incidental Take.docx

Greg,

Attached are the comments provided by our biometrician (Steve Garman) at the National Operation Center regarding the draft polar bear analysis we reviewed. Please consider these in your final analysis. In summary, in addition to the comments attached, BLM wants to emphasize the following points:

- There is no discussion or explanation of acceptable level of take and why;
- Assumptions appear to be overly broad;
- New concepts and terms should be defined;
- Support information does not appear to be described correctly;
- Mathematical calculations do not appear to be consistent;
- Mitigation needs to be incorporated into the analysis; and
- There is no conclusion presented to give the reader an understanding if the take estimates are acceptable or not, and why.

Thanks again for the opportunity to provide feedback.

Ted

--

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

To: Murphy, Ted[t75murph@blm.gov]
Cc: Karen Clark[karen_clark@fws.gov]; Mary Colligan[mary_colligan@fws.gov]
From: Greg Siekaniec
Sent: 2018-09-21T20:25:23-04:00
Importance: Normal
Subject: Re: Review
Received: 2018-09-21T20:25:29-04:00

Ted,
Thank you for the feedback. The information provided is only a portion of the analysis and some of your noted items will certainly be included in the complete document/analysis.

More to come.

Greg

Sent from my iPhone

On Sep 21, 2018, at 4:11 PM, Murphy, Ted <t75murph@blm.gov> wrote:

Greg,

Attached are the comments provided by our biometrician (Steve Garman) at the National Operation Center regarding the draft polar bear analysis we reviewed. Please consider these in your final analysis. In summary, in addition to the comments attached, BLM wants to emphasize the following points:

- There is no discussion or explanation of acceptable level of take and why;
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Alaska-Acting State Director
907-271-5076

<Review of Estimation of Incidental Take.docx>

To: Wackowski, Stephen[stephen_wackowski@ios.doi.gov]
Cc: Lemons, Patrick[patrick_lemmons@fws.gov]; Ryan Wilson[ryan_r_wilson@fws.gov]; Christopher Putnam[christopher_putnam@fws.gov]; Greg Siekaniec[greg_siekaniec@fws.gov]; Todd Atwood[tatwood@usgs.gov]; George Durner[gdurner@usgs.gov]; Brian Wright[bwright@usgs.gov]; Noyles, Christopher[cnoyles@blm.gov]; Catherine Hillis[chillis@blm.gov]; Zimmerman, Christian[czimmerman@usgs.gov]; Opstal, Daniel[dopstal@usgs.gov]; Paul Young[pyoung@usgs.gov]
From: Colligan, Mary
Sent: 2018-10-15T23:14:06-04:00
Importance: Normal
Subject: Re: NCAC briefing on Den Detection
Received: 2018-10-15T23:14:10-04:00

Thanks for the update, Steve. We have folks pretty focused right now on the seismic application so would prefer to keep them on that task for now. We can follow up to make sure we understand what information would be most useful.

Mary

On Wed, Oct 10, 2018 at 4:22 PM, Wackowski, Stephen <stephen_wackowski@ios.doi.gov> wrote:

One clarification: We're not engaging on this until early November at the earliest. So no rush on getting me the examples.

Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
4230 University Drive, Suite 300
Anchorage, AK 99508
907-271-5485

On Wed, Oct 10, 2018 at 4:26 PM Wackowski, Stephen <stephen_wackowski@ios.doi.gov> wrote:

Gents-

See the attached brief. Through the USGS's NCAC, our remote sensing brethren in the Intelligence Community have offered to see if they can detect dens through National Imagery Systems. Short of any major finding, this is meant to be an experiment with no immediate impact on any enforcement/EIS work we have on the slope this season.

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Could USFWS please send over some aerial IR video clips and any briefing slides you have done for the industry on this? I am aware of the "dens what to look for" that include ground pictures of dens.

My Best,

Steve

0000013685

Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
4230 University Drive, Suite 300
Anchorage, AK 99508
907-271-5485

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

From: **Young, Paul** <pyoung@usgs.gov>
Date: Wed, Oct 10, 2018 at 3:43 PM
Subject: Re: NCAC 101 Brief
To: Stephen Wackowski <stephen_wackowski@ios.doi.gov>
Cc: Daniel Opstal <dopstal@usgs.gov>

Is this the type of slides you were looking for? I put some information into the notes section.

Holler if you need something else.

Paul

Paul M. Young
Director, National Civil Applications Center

U.S. Geological Survey
12201 Sunrise Valley Drive, Mail Stop 562
Reston, VA 20192

(703) 648-5115 - Voice
(703) 648-6057 - Fax

On Tue, Oct 9, 2018 at 5:12 PM Wackowski, Stephen <stephen_wackowski@ios.doi.gov>
wrote:

ok

Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
4230 University Drive, Suite 300
Anchorage, AK 99508
907-271-5485

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Good to know. Do I have a couple of days to get something to you?

Paul

Paul M. Young
Director, National Civil Applications Center

U.S. Geological Survey
12201 Sunrise Valley Drive, Mail Stop 562
Reston, VA 20192

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Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
4230 University Drive, Suite 300
Anchorage, AK 99508
907-271-5485

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Paul M. Young
Director, National Civil Applications Center

U.S. Geological Survey

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Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
4230 University Drive, Suite 300
Anchorage, AK 99508
907-271-5485

--

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: Wackowski, Stephen[stephen_wackowski@ios.doi.gov]
Cc: Gregory Siekaniec[greg_siekaniec@fws.gov]
From: Boario, Sara
Sent: 2018-12-07T13:03:32-05:00
Importance: Normal
Subject: Re: [EXTERNAL] questions for story
Received: 2018-12-07T13:03:49-05:00
[Facebook Logo for Email Signature Block.png](#)
[twitter-icon Signature Block.jpg](#)

Greg and I will call within 30min; he's finishing up a call!

sb

On Fri, Dec 7, 2018 at 8:59 AM Stephen Wackowski <stephen_wackowski@ios.doi.gov> wrote:

FYI. I think you are on deck to comment. I'd like to talk to you about your statement before it goes out.

We should also run it by Departmental Comms and Balash.

Sent from my iPhone

Begin forwarded message:

From: Joseph Balash <joseph_balash@ios.doi.gov>
Date: December 6, 2018 at 10:45:29 PM AKST
To: Stephen Wackowski <stephen_wackowski@ios.doi.gov>
Cc: Heather Swift <heather_swift@ios.doi.gov>, melissa_beaumont@fws.gov,
joshua.kindred@sol.doi.gov
Subject: Re: [EXTERNAL] questions for story

I'm trying to be constructive:

BLM is assuming that a FONSI occurs if and only if there is a zero level A take conclusion as to the MMPA/ESA analysis being conducted by USFWS.

The fact that this memo is dated 9/5 and today is 12/7 demonstrates that BLM is not moving forward on an EA unless this can be proven to be true. Any suggestion otherwise is evidence that the leaker is trying to sully the integrity of BLM.

Joe Balash
Assistant Secretary
Land and Minerals Management
Department of the Interior

On Dec 6, 2018, at 11:18 PM, Stephen Wackowski <stephen_wackowski@ios.doi.gov> wrote:

Unfortunately I think this is another leak of a draft, predecisional memo.

Josh- I know you've been reviewing all AK FOIAs can you confirm that this didn't go out?

I'm on a plane home now and may take another crack at this in the morning. My recommendation: "The BLM and FWS Alaska region offices are currently working with the applicants on the size, scope and timing of the project. We will not comment on leaked draft memos."

Sent from my iPhone

On Dec 6, 2018, at 2:37 PM, Heather Swift <heather_swift@ios.doi.gov> wrote:

Heather Swift
US Department of the Interior

Begin forwarded message:

From: Adam Federman

<(b) (6)>

Date: December 6, 2018 at 5:21:15 PM EST

To: Heather Swift <heather_swift@ios.doi.gov>, Faith Vander Voort
<faith_vandervoort@ios.doi.gov>

Cc: Interior Press <Interior_Press@ios.doi.gov>

Subject: [EXTERNAL] questions for story

To Whom It May Concern:

I'm a reporting fellow with the Investigative Fund at the Nation Institute and intend to publish a story in *Mother Jones* based on a four-page FWS memo raising concerns about the impacts of seismic surveys on critically threatened polar bear populations in the Southern Beaufort Sea. The Information Memorandum for the Director, drafted by

Gregory Siekaniec, is dated September 6 and seems to contradict DOI's earlier assertions that an environmental assessment can be issued with a draft finding of no significant impact.

If you could please respond on the record to the following questions by 1 pm tomorrow (Friday) that would be greatly appreciated. Thank you for your time.

1. On at least two occasions BLM has publicly stated that DOI will issue an environmental assessment with a finding of no significant impact in order to allow seismic surveys of the coastal plain to move forward, possibly as early as this winter. But the September 6 FWS memo appears to contradict this assertion. How has BLM reached the conclusion that seismic surveys will have no significant impact on the coastal plain, and in particular on the threatened polar bear population?
2. The FWS memo concludes that even with mitigation measures in place impacts on the threatened polar bear population would likely be greater than what is permitted under the Marine Mammal Protection Act. Does BLM dispute this conclusion?
3. What sort of stipulations if any are being considered in the event that an incidental take permit is authorized? Is BLM confident that seismic surveys on the coastal plain will not result in Level A harassment of polar bears?
4. According to the memo BLM had intended to release an Environmental Assessment with a finding of no significant impact as early as September 10. Does BLM dispute this?

5. Did the FWS memo delay BLM's publication of the Environmental Assessment?

6. When will BLM be issuing the Environmental Assessment?

7. Does the Department expect that seismic surveys will begin this winter?

(802) 503 9894
Reporting Fellow, Investigative Fund at the Nation
Institute
Author of *Fasting and Feasting: The Life of Visionary
Food Writer Patience Gray*

--

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



To: Heather Swift[heather_swift@ios.doi.gov]; Faith Vander Voort[faith_vandervoort@ios.doi.gov]; joseph_balash@ios.doi.gov[joseph_balash@ios.doi.gov]; melissa_beaumont@fws.gov[melissa_beaumont@fws.gov]; Greg Siekaniec[greg_siekaniec@fws.gov]
From: Stephen Wackowski
Sent: 2018-12-07T13:07:06-05:00
Importance: Normal
Subject: Fwd: [EXTERNAL] questions for story
Received: 2018-12-07T13:07:15-05:00

See below. Confirmed this did not go out in a FOIA.

Sent from my iPhone

Begin forwarded message:

From: "Lord, Kenneth" <ken.lord@sol.doi.gov>
Date: December 7, 2018 at 9:03:45 AM AKST
To: Steve Wachowski <stephen_wackowski@ios.doi.gov>
Cc: "Gieryic, Michael" <mike.gieryic@sol.doi.gov>, Joshua Kindred <joshua.kindred@sol.doi.gov>
Subject: Re: [EXTERNAL] questions for story

Steve,

As I thought, the FWS FOIA office has responded to any FOIA requests relating to polar bears and the seismic program. (b) (5) ACP

Ken

Kenneth M. Lord
Assistant Regional Solicitor
U.S. Dept. of the Interior
Office of the Regional Solicitor -- Alaska Region
907-271-4184

On Fri, Dec 7, 2018 at 8:37 AM Lord, Kenneth <ken.lord@sol.doi.gov> wrote:

Steve,

Both Josh and Mike are out, (b) (5) ACP

I'll let you know as soon as I have an answer.

Ken

*Kenneth M. Lord
Assistant Regional Solicitor
U.S. Dept. of the Interior
Office of the Regional Solicitor -- Alaska Region
907-271-4184*

On Thu, Dec 6, 2018 at 10:21 PM Stephen Wackowski
<stephen_wackowski@ios.doi.gov> wrote:

For your awareness I'll keep you in the loop on our final response.

Sent from my iPhone

Begin forwarded message:

From: Stephen Wackowski <stephen_wackowski@ios.doi.gov>
Date: December 6, 2018 at 11:18:31 PM PST
To: Heather Swift <heather_swift@ios.doi.gov>, melissa_beaumont@fws.gov,
joseph_balash@ios.doi.gov, joshua.kindred@sol.doi.gov
Subject: Re: [EXTERNAL] questions for story

Unfortunately I think this is another leak of a draft, predecisional memo.

Josh- I know you've been reviewing all AK FOIAs can you confirm that this didn't go out?

I'm on a plane home now and may take another crack at this in the morning. My recommendation: "The BLM and FWS Alaska region offices are currently working with the applicants on the size, scope and timing of the project. We will not comment on leaked draft memos."

Sent from my iPhone

On Dec 6, 2018, at 2:37 PM, Heather Swift <heather_swift@ios.doi.gov> wrote:

Heather Swift
US Department of the Interior

Begin forwarded message:

From: Adam Federman

<(b) (6)>

Date: December 6, 2018 at 5:21:15 PM EST

To: Heather Swift <heather_swift@ios.doi.gov>, Faith Vander Voort
<faith_vandervoort@ios.doi.gov>

Cc: Interior Press <Interior_Press@ios.doi.gov>

Subject: [EXTERNAL] questions for story

To Whom It May Concern:

I'm a reporting fellow with the Investigative Fund at the Nation Institute and intend to publish a story in *Mother Jones* based on a four-page FWS memo raising concerns about the impacts of seismic surveys on critically threatened polar bear populations in the Southern Beaufort Sea. The Information Memorandum for the Director, drafted by Gregory Siekaniec, is dated September 6 and seems to contradict DOI's earlier assertions that an environmental assessment can be issued with a draft finding of no significant impact.

If you could please respond on the record to the following questions by 1 pm tomorrow (Friday) that would be greatly appreciated. Thank you for your time.

1. On at least two occasions BLM has publicly stated that DOI will issue an environmental assessment with a

finding of no significant impact in order to allow seismic surveys of the coastal plain to move forward, possibly as early as this winter. But the September 6 FWS memo appears to contradict this assertion. How has BLM reached the conclusion that seismic surveys will have no significant impact on the coastal plain, and in particular on the threatened polar bear population?

2. The FWS memo concludes that even with mitigation measures in place impacts on the threatened polar bear population would likely be greater than what is permitted under the Marine Mammal Protection Act. Does BLM dispute this conclusion?
3. What sort of stipulations if any are being considered in the event that an incidental take permit is authorized? Is BLM confident that seismic surveys on the coastal plain will not result in Level A harassment of polar bears?
4. According to the memo BLM had intended to release an Environmental Assessment with a finding of no significant impact as early as September 10. Does BLM dispute this?
5. Did the FWS memo delay BLM's publication of the Environmental Assessment?
6. When will BLM be issuing the Environmental Assessment?
7. Does the Department expect that seismic surveys will begin this winter?

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Reporting Fellow, Investigative Fund at the Nation
Institute
Author of *Fasting and Feasting: The Life of*
Visionary Food Writer Patience Gray

To: Mouritsen, Karen[kmourits@blm.gov]
From: Greg Siekaniec
Sent: 2018-10-18T12:33:04-04:00
Importance: Normal
Subject: Re: Existing Contracts Question
Received: 2018-10-18T12:33:10-04:00

Thanks for taking my call. You should come back to AK.

Sent from my iPhone

On Oct 18, 2018, at 11:01 AM, Mouritsen, Karen <kmourits@blm.gov> wrote:

sorry, just the regional directors.

Karen E. Mouritsen
State Director, Eastern States
Bureau of Land Management
202-912-7701
cell 202-329-2030

On Thu, Oct 18, 2018 at 11:58 AM Greg Siekaniec <greg_siekaniec@fws.gov> wrote:

Region 2 and 4 with all employees or the facilitators?

Sent from my iPhone

On Oct 18, 2018, at 10:55 AM, Mouritsen, Karen <kmourits@blm.gov> wrote:

He thought it might be good to have the facilitators just touch base and compare notes, what we are doing, etc. I think we didn't all hear things the same way, or all capture all that was said. I was on a Region 2 and 4 combined call, with 3 facilitators, and we didn't have all the same take aways, at least on the details.

Karen E. Mouritsen
State Director, Eastern States
Bureau of Land Management

202-912-7701
cell 202-329-2030

On Thu, Oct 18, 2018 at 11:51 AM Greg Siekaniec <greg_siekaniec@fws.gov> wrote:

There will be a lot of fretting I'm afraid. Do you know why Mike Tupper is trying to have a call on Friday?

Sent from my iPhone

On Oct 18, 2018, at 10:49 AM, Mouritsen, Karen <kmourits@blm.gov> wrote:

thanks tons. i have them calling FWS and Nicole Hayes .
I am off today but fretting about the reorg and how to make it work somewhat in the east.

Karen E. Mouritsen
State Director, Eastern States
Bureau of Land Management
202-912-7701
cell 202-329-2030

On Thu, Oct 18, 2018 at 11:08 AM Greg Siekaniec <greg_siekaniec@fws.gov> wrote:

FYI

Sent from my iPhone

Begin forwarded message:

From: "Varrati, Alissa"

<alissa_varrati@fws.gov>

Date: October 18, 2018 at 10:05:50 AM CDT

To: Greg Siekaniec <greg_siekaniec@fws.gov>

Subject: Fwd: Existing Contracts Question

Hi Greg,

I think this may answer your question regarding an IDIQ for 1002 arrangement with BLM.

Best Regards,

Alissa Varrati

JAO Acquisition & Property Manager

1011 E Tudor Road

Anchorage, Alaska 99503

907-786-3439 (phone)

907-887-3361 (cell)

Joint Administrative Operations (JAO) Vision: Improve the sustainability & resiliency of the Service's administrative operations.

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See what **JAO** is up to and provide feedback on the unique field-based design process.

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

From: **Varrati, Alissa** <alissa_varrati@fws.gov>

Date: Wed, Oct 17, 2018 at 9:34 AM

Subject: Fwd: Existing Contracts Question

To: Janine Velasco <janine_velasco@fws.gov>

Cc: Kristin Young <kristin_young@fws.gov>

Good morning,

A little clarity after a night of sleep ;-) I believe this may be the contract you're referring to. Please see the email below to Leslie at BLM.

Please let me know if there is any additional information I can provide or feel free to pass my contact information along to Charlie or Karen if further discussion is necessary.

Best Regards,

0000013700

Alissa Varrati
JAO Acquisition & Property Manager
1011 E Tudor Road
Anchorage, Alaska 99503
907-786-3439 (phone)
907-887-3361 (cell)

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

From: **Alissa Varrati** <alissa_varrati@fws.gov>
Date: Tue, Aug 7, 2018 at 10:53 AM
Subject: Existing Contracts Question
To: Holland, Leslie <lholland@blm.gov>

Hi Leslie,

FWS has a BPA in place for scientific technical advisory services that may work for your EIS needs. I've attached the contract, SOW, and ordering instructions. Use of the BPA requires coordination with the Contracting Officer, Jerry Perry.

I'm not aware of any existing FWS contracts for translation services. The GSA professional services schedule may have contractors able to meet your needs.

Hope that helps out some. Have a great day.

Best Regards,
Alissa Varrati
JAO Acquisition & Property Manager
1011 E Tudor Road
Anchorage, Alaska 99503
907-786-3439 (phone)
907-887-3361 (cell)
Office Hours T,W,F 7:00 - 3:30 AKST
Telework Hours, M, Th 7:00 - 3:30 AKST

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- **Budget & Administration Employees:** Cultivate & invest in a dynamic workforce that delivers mission-driven support services & is valued by the Service.
- **Continuous Improvement:** Foster an adaptive culture that encourages innovation & business evolution.
- **Budget:** Establish a sustainable funding framework that maximizes the resources available for mission delivery.

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