



✓ LOA db # SID 5902  
DEN  
Perham, Craig <craig\_perham@fws.gov>

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## Den Watch April 5

1 message

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**Suzan Simonds** <ssimonds@saexploration.com>

Sun, Apr 6, 2014 at 7:50 PM

To: "craig\_perham@fws.gov" <craig\_perham@fws.gov>, "christopher\_putnam@fws.gov" <christopher\_putnam@fws.gov>

Cc: Rick Trupp <rtrupp@saexploration.com>, Ted Smith <tsmith@saexploration.com>, "dennis.henderson@repsol.com" <dennis.henderson@repsol.com>, "HENDERSON, JENNIFER" <jennifer.henderson@repsol.com>, "HARDHAM, WILLIAM D. (WDHARDHAM@repsol.com)" <WDHARDHAM@repsol.com>, Scott Nish <snish@saexploration.com>

Hi Craig

Attached is the report from the den watch as you requested. As per our phone conversation, we have resumed operations in this area. Please call with any further questions. Thank you for all your help.



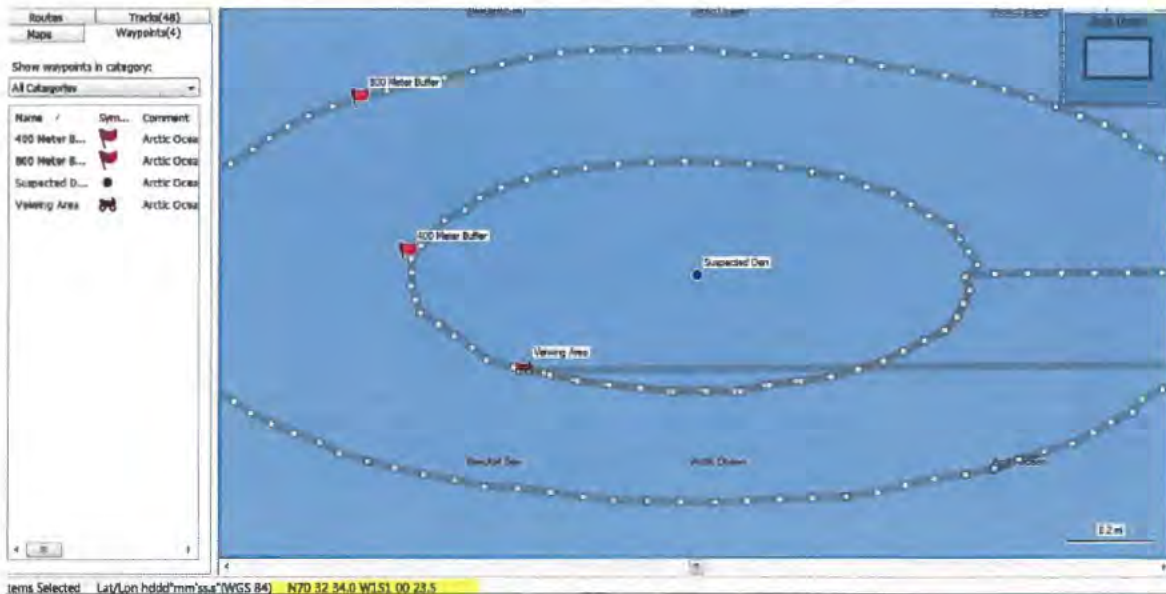
**Den Watch April 5.docx**

178K

Sue

4-6-14

On Saturday April 5, 2014 the Project Manager and Subsistence Representative drove out to the last suspect Polar Bear den location. Upon we arrival we drove the 800 meter buffer perimeter looking for tracks or any sign of the bear. We did not see any tracks or anything at all. We then moved in the 400 meter buffer perimeter driving very slowly looking for any sign of the bear tracks or. The conclusion of driving the 400 meter buffer was the same, no evidence of and tracks. Once we completed driving the buffers we set up in a location where we could view the area previously called in. We sat on location from 13:30 to 19:35. We could not see any fresh tracks or movement in the watched.



LOA DE ID 5902



Craig Perham  
Wildlife Biologist  
U.S. Fish and Wildlife Service  
Marine Mammals Management  
1011 E. Tudor Road  
Anchorage, Alaska 99503

3-28-2014

RE: Polar Bear Investigation

Craig

On 3-27-2014 Ingmar, our HSE and William, our Sub-rep took a trip out to the polar bear buffer area that was established on 3-21-14 at approximately 1130pm.( See map below) As per your instructions in your emails, the following investigations were completed.

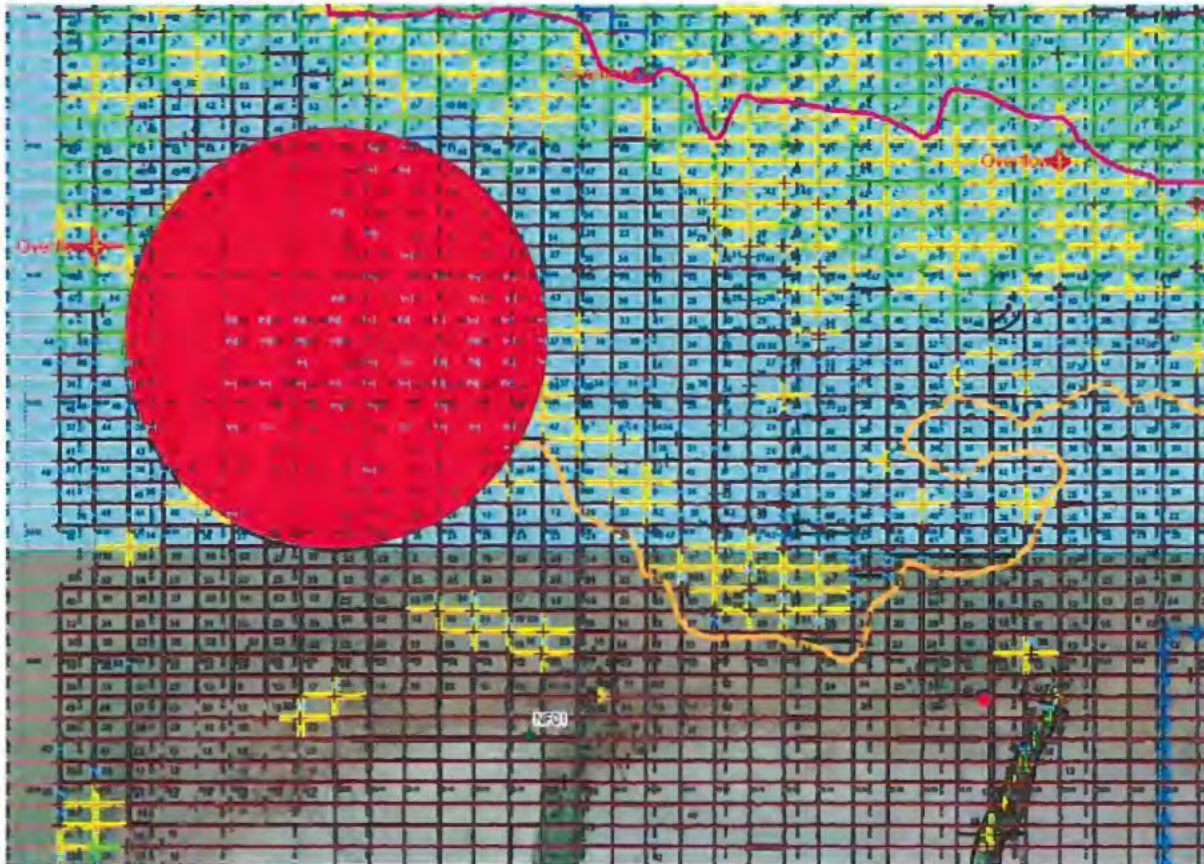
The crew approached the den area at 100 meters, stopped waited and watched for any bear sign and or movement. Nothing was observed, the crew then moved into a position that was 50 meters from the den and waited. There were no new tracks, diggings, fur or scat. Nothing appeared to be different than what was seen previously. A circular route in the tucker was completed around the den. The only tracks were seen leaving the den and none were observed entering the den. Pictures were taken of the pressure ridge and the tracks. A measuring tape was used per your request. The tracks left the den area moving NNW and appeared something was being dragged. Most of the tracks were covered with snow and the crew had to search for them, they were able to see a few tracks then drive for approximately 100 yards to find more. The only tracks they were able to see were the adult and the drag marks. The crew followed the tracks approximately 1/2 mile, nothing new was spotted. New pictures were taken and emailed to you. The buffer was lifted by USFW yesterday and all crews were cautioned to be watchful for any kind of bear signs.

The crew has been advised to call the Anchorage office immediately upon any suspected bear den and or sightings. Please let us know if you have any further questions.

Suzan Simonds  
Ingmar Riverous



### 1 Mile Buffered Den Area

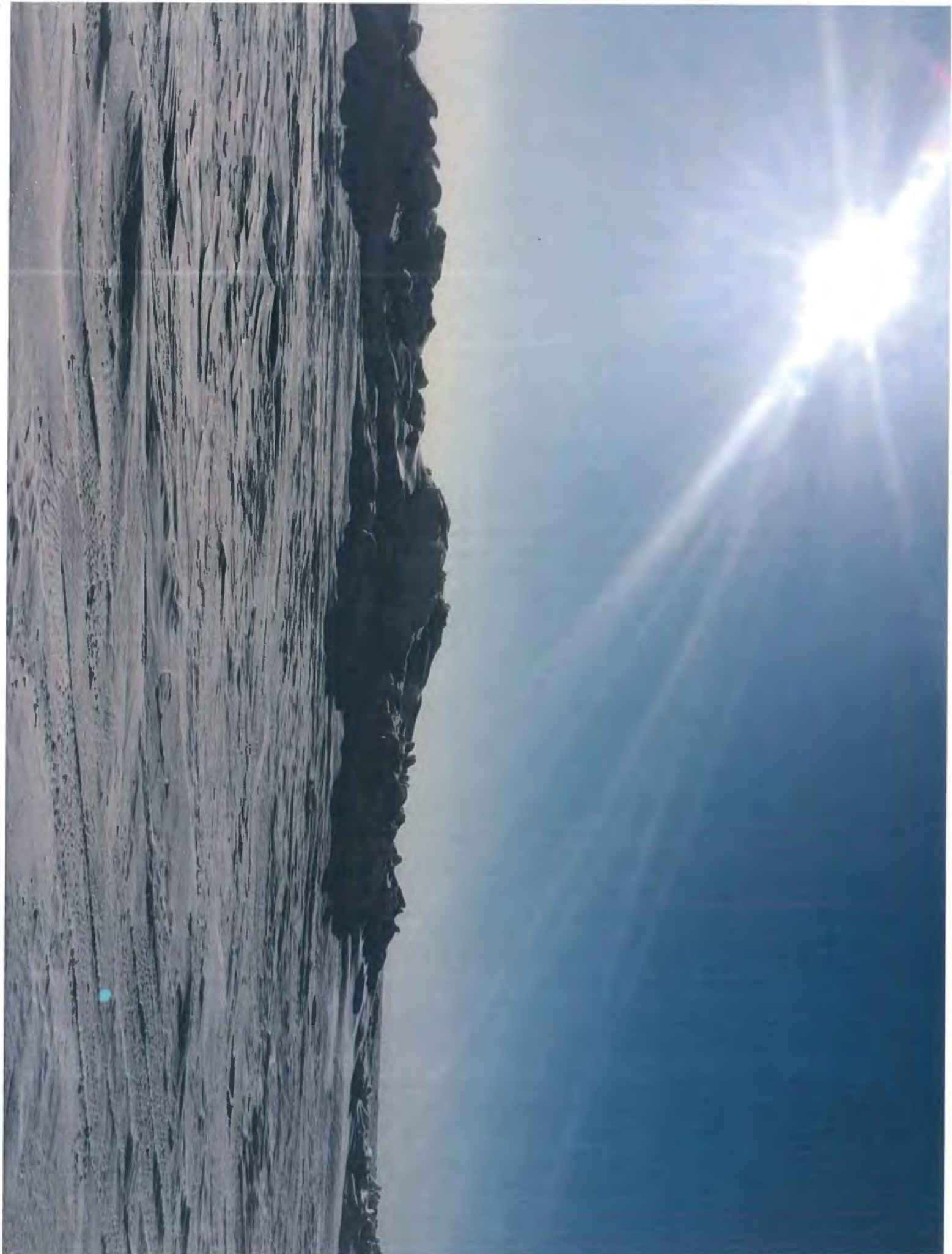




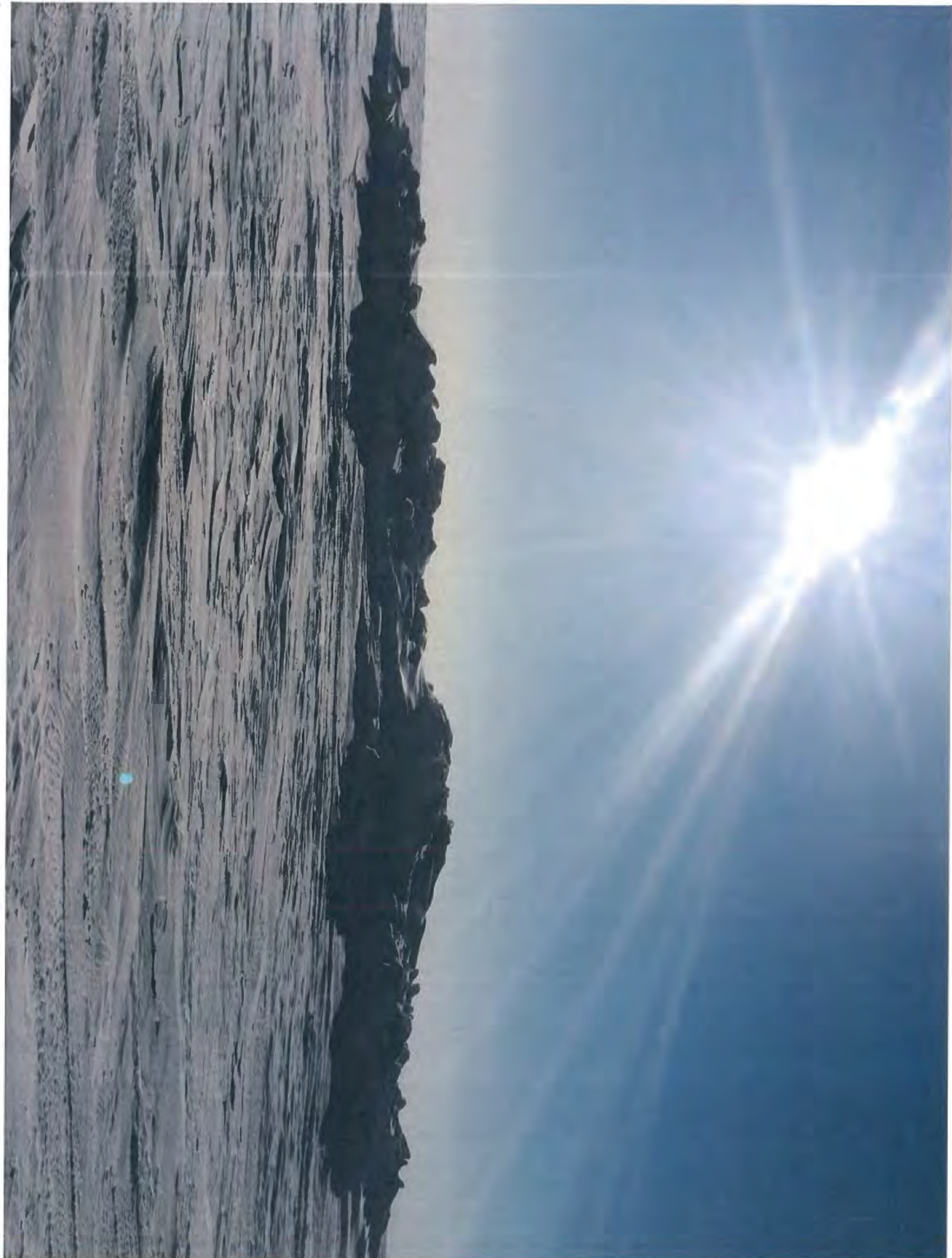






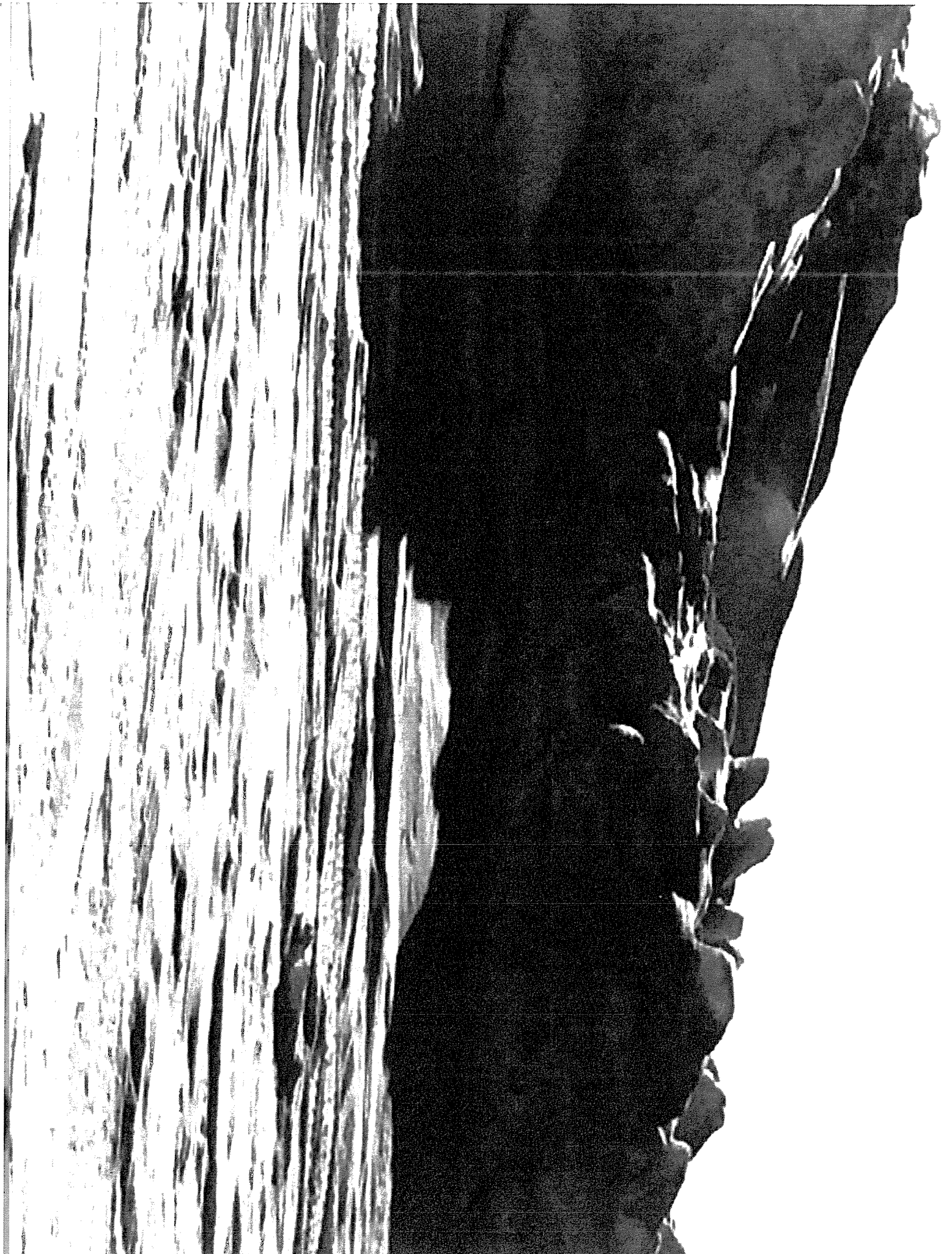


















✓ 6a db SID 5903  
(Possible FEN) + BEAR

## Polar Bear Signs

Suzan Simonds <ssimonds@saexploration.com>

Mon, Mar 31, 2014 at 6:07 PM

To: "christopher\_putnam@fws.gov" <christopher\_putnam@fws.gov>, "craig\_perham@fws.gov" <craig\_perham@fws.gov>

Cc: Ted Smith <tsmith@saexploration.com>, Rick Trupp <rtrupp@saexploration.com>, Chad Greengrass <cgreengrass@saexploration.com>

Hi Chris

Attached is the old map with sighting and the new bear signs locations. When the pictures get in from the crew we will send to you and call with our stake out update.

Sue Simonds

Permits and Regulatory Manager

SAExploration, Inc.

Safety – Acquisition - Experience

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Anchorage, Alaska 99507

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### 2 attachments



March21st\_BearSighting2.pdf

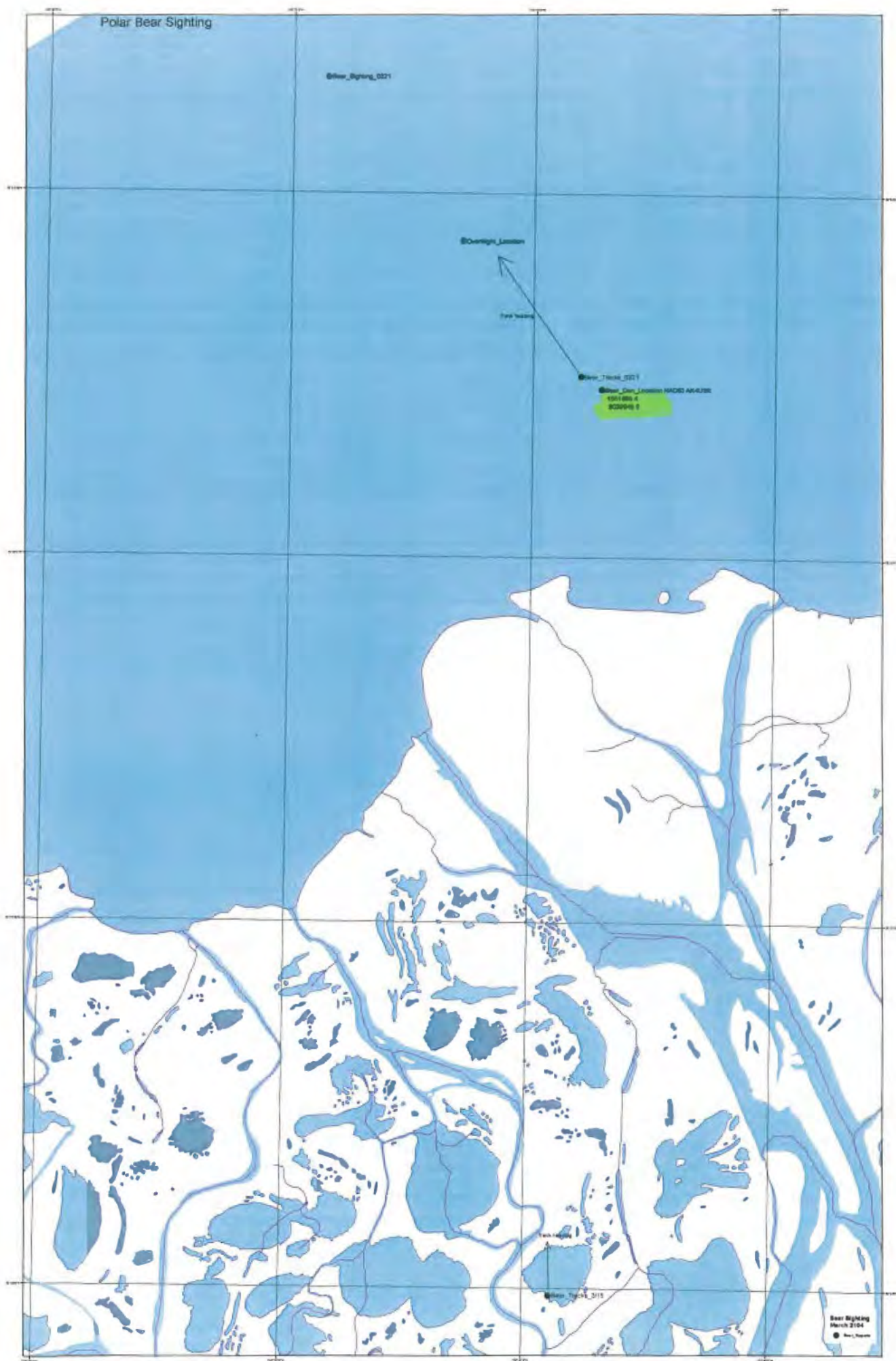
188K



Nigliq3D\_Sighting\_March31.pdf

522K





Niglig-Fiord 3D - Bear Evidence March 31st, 2014

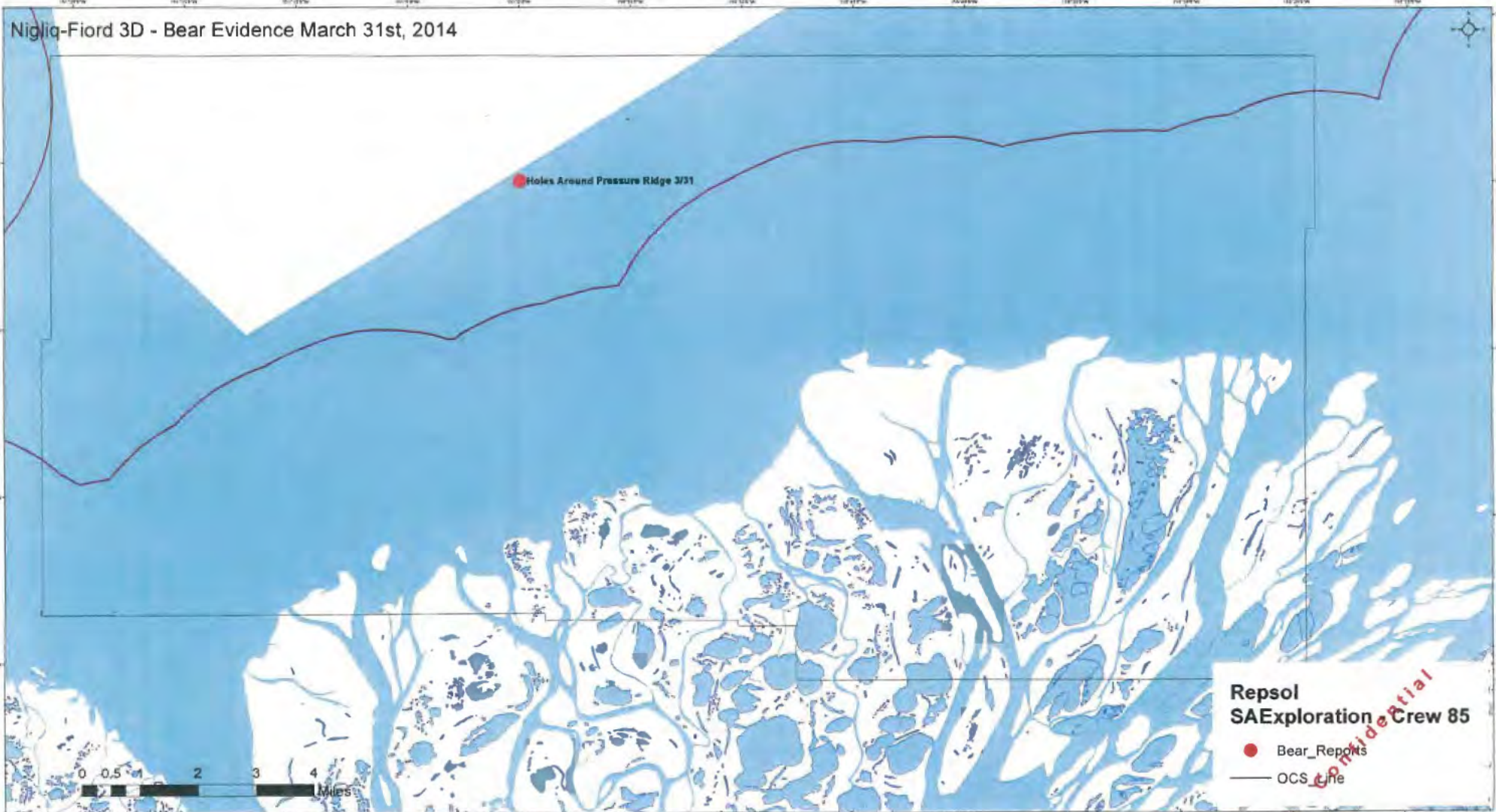
Holes Around Pressure Ridge 3/31

Repsol  
SAExploration Crew 85

● Bear\_Reports  
— OCS\_line

0 0.5 1 2 3 4 Miles

Confidential







✓ COA DB SID 5903  
PEN

## Holes in a pressure ridge with tracks

Suzan Simonds <ssimonds@saexploration.com>

Mon, Mar 31, 2014 at 10:37 PM

To: "christopher\_putnam@fws.gov" <christopher\_putnam@fws.gov>, "craig\_perham@fws.gov"

<craig\_perham@fws.gov>

Cc: Ted Smith <tsmith@saexploration.com>, Chad Greengrass <cgreengrass@saexploration.com>, Rick Trupp <rtrupp@saexploration.com>

Hi Chris

This is a follow up to our phone call this afternoon.

Ice check and a sub rep were working the west side of the prospect and they had go around a pressure ridge and that is when they saw the holes.

Took pictures and backed up from the area. They had left the area when you had given us instructions to watch from a distance of 800 meters. They stood at that position for 2.5 hours and did not see any bears.

Please see attached pictures . We will not send people into that area until we get further instructions from you. I am available by cell at any time.

Sue Simonds

Permits and Regulatory Manager

SAExploration, Inc.

Safety – Acquisition - Experience

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## I will redo the map with the coord on it

**Suzan Simonds** <ssimonds@saexploration.com>

Tue, Apr 1, 2014 at 11:25 AM

To: "craig\_perham@fws.gov" <craig\_perham@fws.gov>, "christopher\_putnam@fws.gov" <christopher\_putnam@fws.gov>

Coordinates for Den 3-31-14

N 70 539 5238

W 150 99 7975

Sue Simonds

Permits and Regulatory Manager

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Perham, Craig &lt;craig\_perham@fws.gov&gt;

**Re: Call**

1 message

**Perham, Craig** <craig\_perham@fws.gov>

Wed, Mar 26, 2014 at 1:40 PM

To: Suzan Simonds &lt;:ssimonds@saexploration.com&gt;

Cc: Christopher Putnam &lt;christopher\_putnam@fws.gov&gt;, Charles Hamilton &lt;charles\_hamilton@fws.gov&gt;

Bcc: Pete Sloan &lt;pete.sloan@boem.gov&gt;

Hi Sue,

Below are the tasks that should be completed in order to lift the one-mile buffer from the original area where the hole/"den" was found.

1. Return to the original site of the "den." Drive in a circle around the site at approximately 80-100m from the "den" to locate any fresh tracks in the vicinity.

If a bear is observed, back off to 800m and contact us immediately.

If fresh tracks are seen back off to 400m and contact us immediately.

If no new tracks are observed:

2. Drive up to approximately 50m facing the hole and look for recent activity (since Friday-based on the weather conditions out there) around the hole, such as scrapes, diggings, fur, lots of tracks, scat, etc. (Does the area look lived in?). Use binoculars. If you don't have a rangefinder use the vehicle gps to estimate distances.

If fresh activity is observed back off to 400m and contact us immediately.

If no fresh activity is observed and no new tracks are observed, call us (Christopher or myself with one of the numbers provided) immediately so we can lift the buffer and work can proceed.

If a bear is observed any time during this procedure back off to 800m and contact us immediately.

3. Contact your workers and have them be vigilant for bear activity in that location when they conduct work in the area. Contact us immediately if a bear shows up in this area.

4. After the above survey, if the area is void of recent bear activity and the buffer has been lifted, and if visible tracks remain in the vicinity, we'd like additional photos of the large and small tracks with a scale reference in the picture, such as a ruler or tape measure. This request is biological as we would like to estimate the size of the cub.

Finally, if you don't have it, standard equipment for your sub-reps should always be binoculars, a rangefinder, a hand-held gps unit, a camera, a field notebook, and photo reference scale tools, such as rulers or tape measure for tracks and even an avalanche probe to measure snow depth or present reference for drifts and the like. It should be in a go-bag/pack/pelican case so that the equipment doesn't get raided or damaged. Develop a procedure that works for you whether you have a kit per shift or one to share. The sub reps should always have it when they're in the field as this would save a lot of time if we get into these situations. A go-bag would also support any other wildlife issues that may arise.

Please call me if you have any questions regarding the above procedures and thanks for being responsive to this event, Sue. As always they are learning events for everyone involved.

Regards,

Craig

On Wed, Mar 26, 2014 at 7:14 AM, Suzan Simonds <ssimonds@saexploration.com> wrote:

The crew is asking to do the call in early due to changes at camp

Can you do a call at 8 am ... I will call Chris cell phone

Sue Simonds

Permits and Regulatory Manager

**SAExploration, Inc.**

**Safety – Acquisition - Experience**

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--  
Craig Perham  
Wildlife Biologist, Polar Bears and  
Incidental Take Coordinator  
U.S. Fish and Wildlife Service  
Marine Mammals Management  
1011 E. Tudor Road  
Anchorage, Alaska 99503

907/786-3810 (office)  
907/887-3082 (cell)  
907/786-3816 (FAX)



[craig\\_perham@fws.gov](mailto:craig_perham@fws.gov)

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## Tracks spotted

1 message

**Suzan Simonds** <[ssimonds@saexploration.com](mailto:ssimonds@saexploration.com)>

Tue, Apr 15, 2014 at 9:02 PM

To: "craig\_perham@fws.gov" <[craig\\_perham@fws.gov](mailto:craig_perham@fws.gov)>, "christopher\_putnam@fws.gov" <[christopher\\_putnam@fws.gov](mailto:christopher_putnam@fws.gov)>

Hi Craig

Tried calling both phones. Bear tracks with a blood spot next to a hole. Female two cubs.

See attached pictures. Sub rep is working on report.

Sue Simonds

Permits and Regulatory Manager

SAExploration, Inc.

Safety – Acquisition - Experience

[ssimonds@saexploration.com](mailto:ssimonds@saexploration.com)

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**3 attachments**



**photo 1.jpg**  
2690K



**photo 1.jpg**  
2690K



**photo 2.jpg**  
2504K











18

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## Book1.xlsx

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**Suzan Simonds** <ssimonds@saexploration.com>

Wed, Mar 26, 2014 at 6:29 AM

To: "christopher\_putnam@fws.gov" <christopher\_putnam@fws.gov>, "craig\_perham@fws.gov" <craig\_perham@fws.gov>

I have put together a spread sheet of documented events from my end. The crew is filling in theirs. Its much clearer on paper..... I think the confusion is coming in on the "Thursday" that was mentioned. We will talk with you guys at 8:30



**Book1.xlsx**

10K



Polar Bear Events

Tracks reported from crew	3/21/2014	11:02 PM
update on track coming from hole	3/21/2014	11:09 PM
Event report sent to sue	3/22/2014	3:55 AM
One mile radius	3/22/2014	12:39 AM
Report to USFW by Sue by email and phone call	3/22/2014	7:52 AM
Report to USFW update	3/22/2014	8:10 AM
Report to USFW with photos	3/22/2014	8:23 AM
Request for a call from USFW	3/22/2014	9:15 AM
Polar Bear Sighting email sent to USFW	3/22/2014	12:57 PM
Report of sighting email to USFW	3/22/2014	2:37 PM
email request for a call to USFW	3/24/2014	6:33 AM



17

Perham, Craig <craig\_perham@fws.gov>

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## Meeting

1 message

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**Suzan Simonds** <ssimonds@saexploration.com>

Wed, Mar 26, 2014 at 5:00 AM

To: "christopher\_putnam@fws.gov" <christopher\_putnam@fws.gov>, "craig\_perham@fws.gov" <craig\_perham@fws.gov>

I talked with the crew last night and let them know we need to talk with you guys this morning to end the confusion on our part for timing. They get out of meetings at 8 so I will be calling and patching through the call around 8:30, will that work?

Sue Simonds

Permits and Regulatory Manager

SAExploration, Inc.

Safety – Acquisition - Experience

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16

(no subject)

**Suzan Simonds** <ssimonds@saexploration.com>

Tue, Mar 25, 2014 at 2:05 PM

To: "christopher\_putnam@fws.gov" <christopher\_putnam@fws.gov>

Cc: "craig\_perham@fws.gov" <craig\_perham@fws.gov>

I cannot get a hold of the crew at this time, they are in a camp move. I have left messages for them to call. I will set up a time tomorrow morning, Probably early to catch all shifts.

Sue Simonds

Permits and Regulatory Manager

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SID 5903

15

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## Bear pictures

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**Suzan Simonds** <ssimonds@saexploration.com>

Tue, Mar 25, 2014 at 12:08 PM

To: "christopher\_putnam@fws.gov" <christopher\_putnam@fws.gov>, "craig\_perham@fws.gov" <craig\_perham@fws.gov>

Please see attached information

Sue Simonds

Permits and Regulatory Manager

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saexploration.com



**Bear den Bear sighting (3).pptx**

6527K

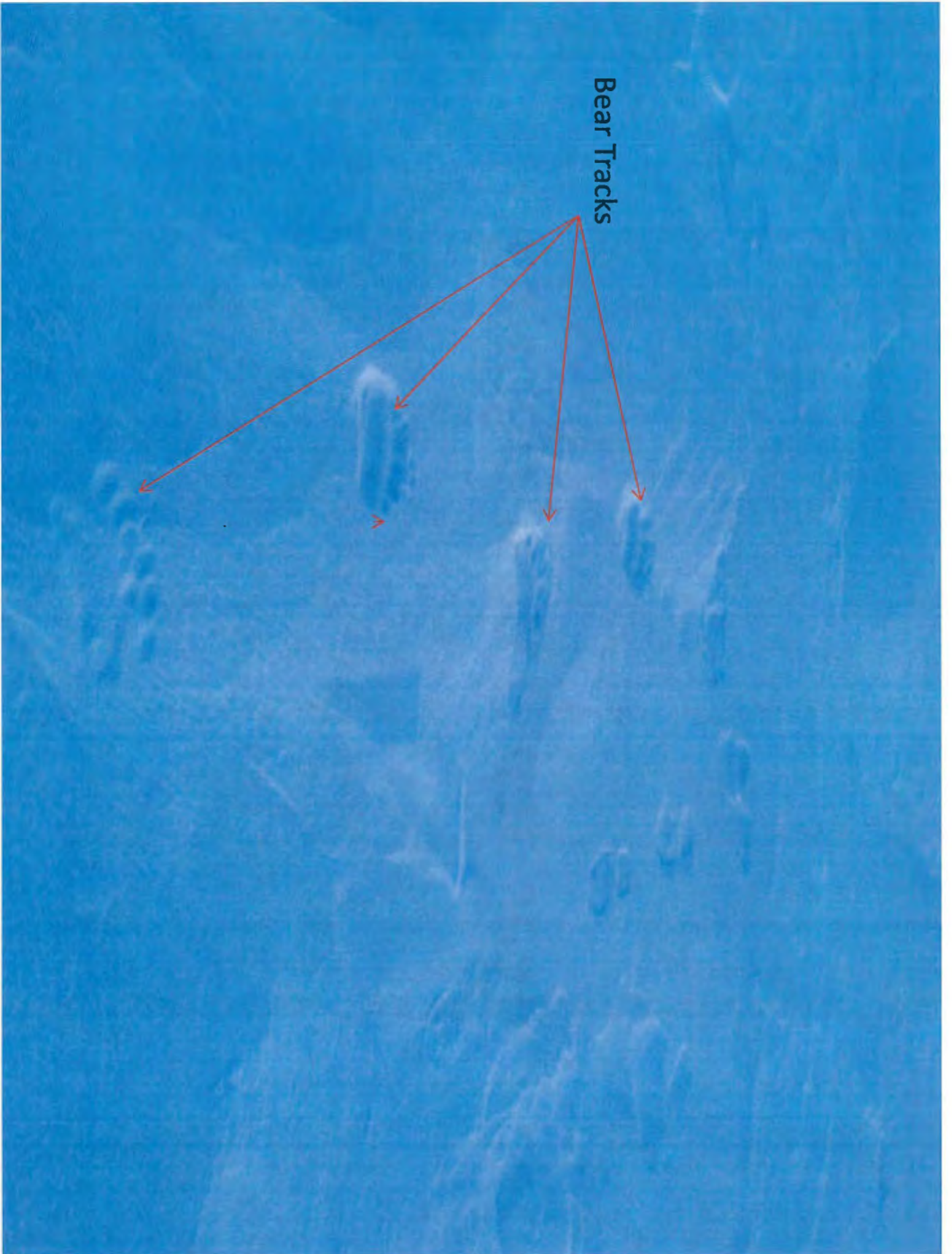


# Bear den & Bear sighting

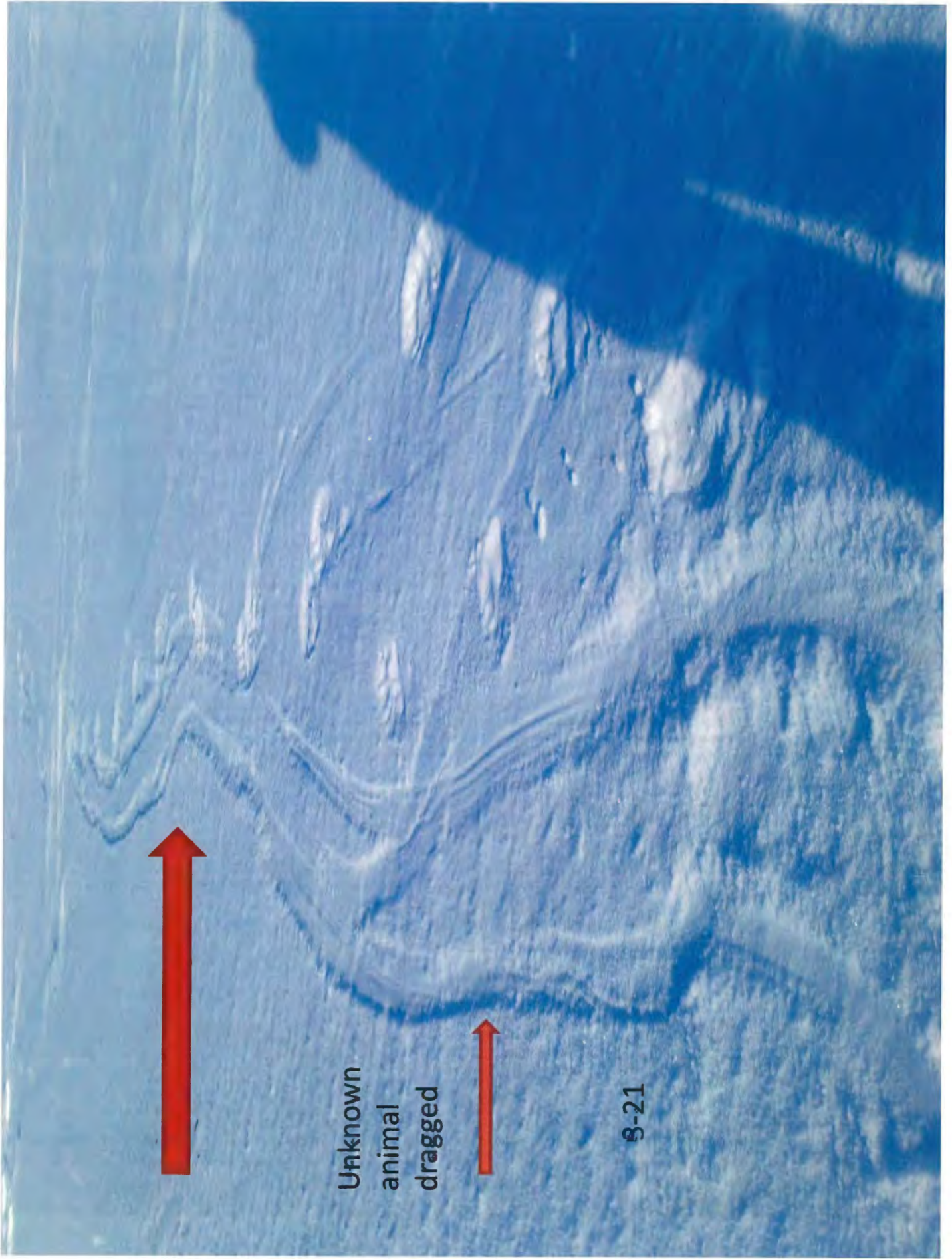
Pictures below:

Bear tracks, bear sighting.

Bear Tracks







Unknown  
animal  
dragged

8-21





**Location where bears  
rested overnight (open  
area)**

**3-21**

Polar Bear



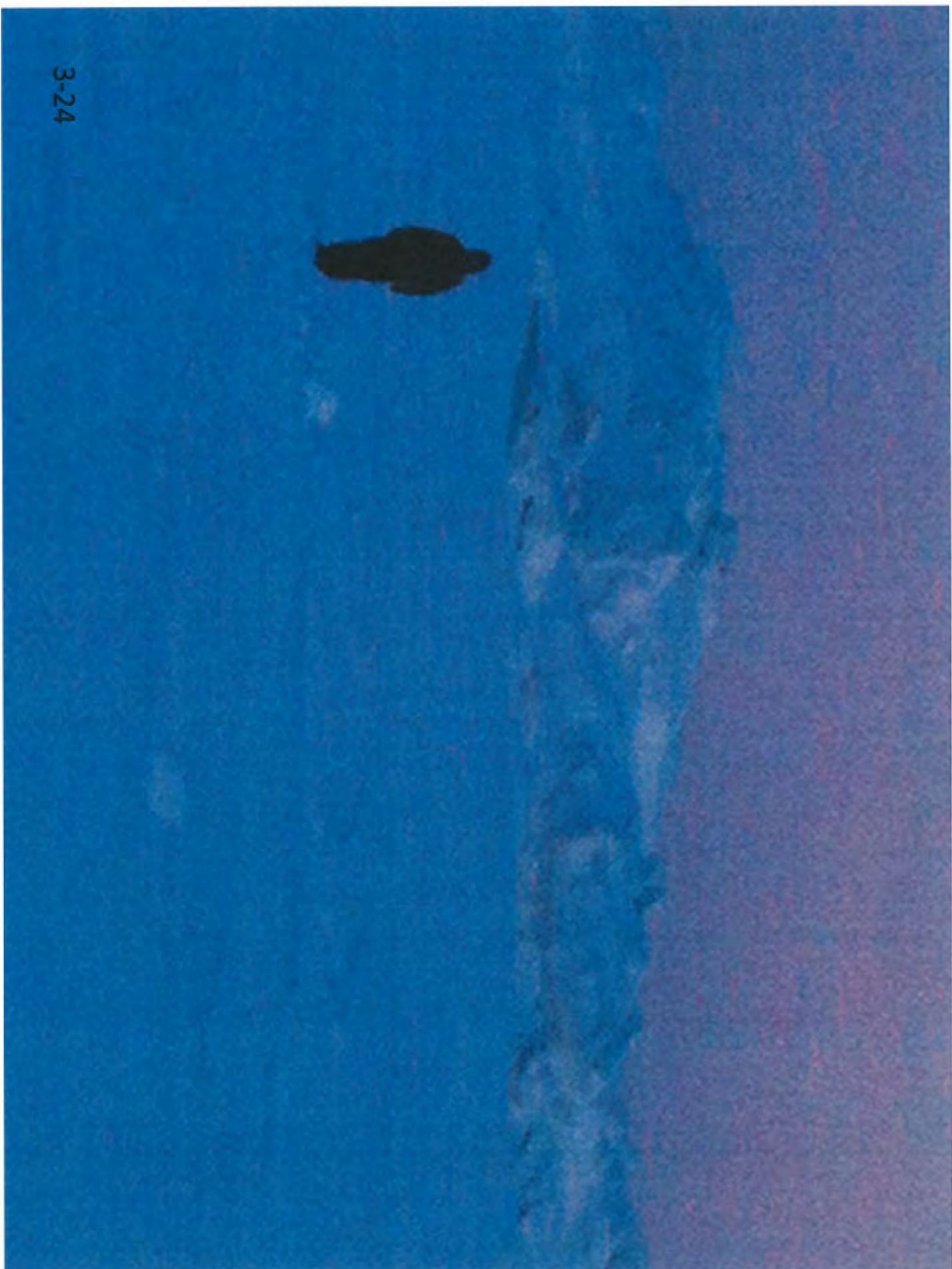


**Polar Bear**

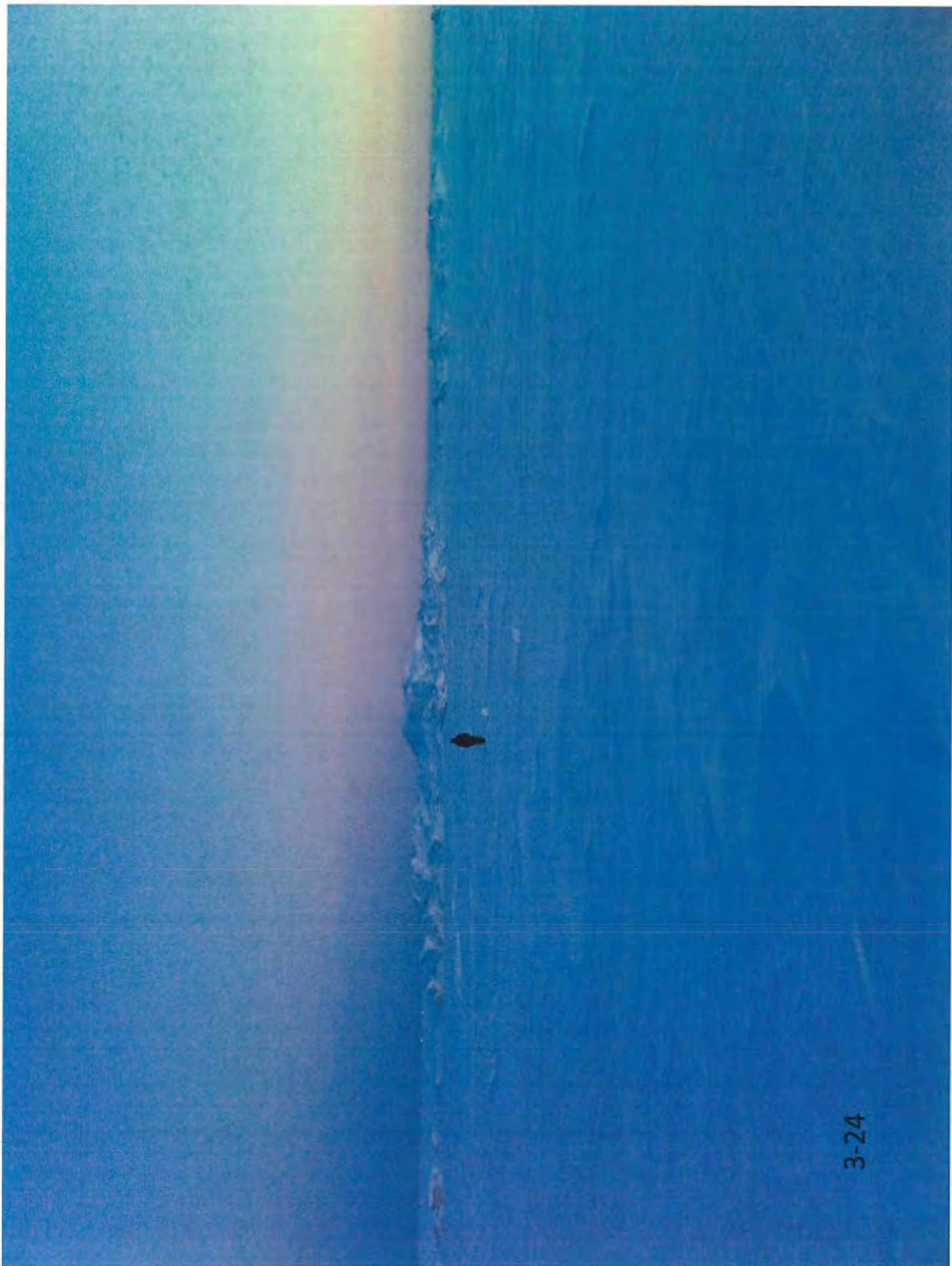
3-21



## PRESSURE RIDGE PICTURES







3-24



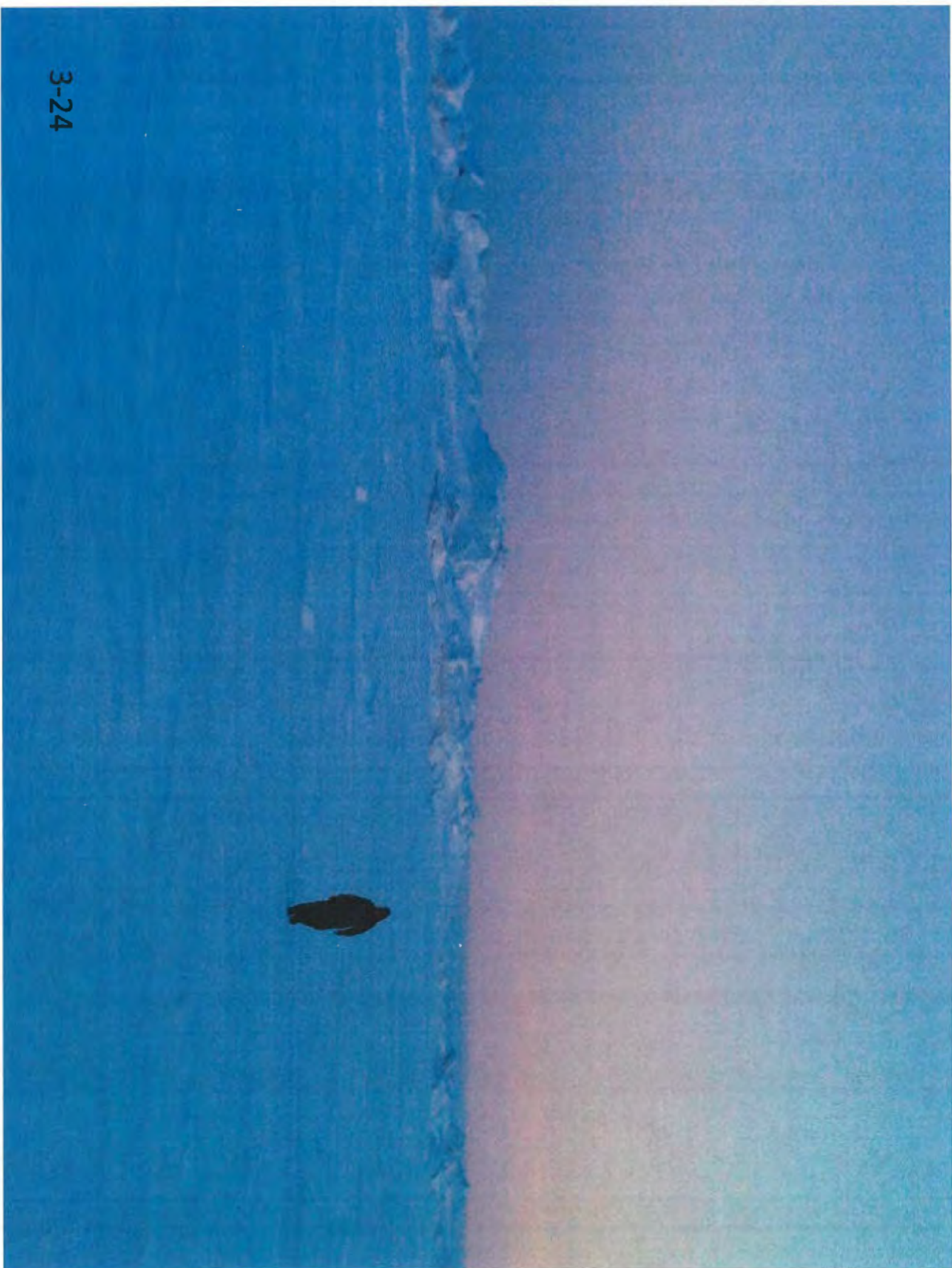


3-24









3-24

### Early Morning Friday 21<sup>st</sup>.

- Sub Rep Wilbur noticed bear tracks
- Appeared to be dragging something heading west
- Thought it might be a den and called for other sub rep to help
- Reported to crew and headed back to camp
- 1 mile radius was placed on area

### On day shift Friday the 21<sup>st</sup>.

- Sub-Rep William went out to investigate
- He saw two different tracks but did not approach the den
- Adult female and one cub tracks, female dragging an unknown animal
- He saw what appeared to be a bear den saw some blood and saw another hole
- 1 ½ mile west appeared to be a place where they stayed over night
- In the afternoon of the 21<sup>st</sup> March the bear was spotted at a distance of 800 meters
- They reported the sighting and were asked to leave the area
- After moving 1 mile away and asked to watch for bear behavior and watch to see which directions the bears were moving if possible
- Headed back to camp in late afternoon
- USFW sent notice morning of 3-22

SID 5903

14



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## Map of locations

---

**Suzan Simonds** <ssimonds@saexploration.com>

Tue, Mar 25, 2014 at 12:08 PM

To: "christopher\_putnam@fws.gov" <christopher\_putnam@fws.gov>, "craig\_perham@fws.gov" <craig\_perham@fws.gov>

See map of tracks including the ones on 3-15.



**March21st\_BearSighting2.pdf**

188K



Polar Bear Sighting

@Bear\_Sighting\_0321

70 33.17  
150 49.172

@Overnight\_Location

Track heading

@Bear\_Track\_0321

@Bear\_Den\_Location NADES AKRUM  
1001606 4  
000048 0

Not a den!  
ESP

@Bear\_Track\_0315



13

## Fwd: FW: Bear Den and Polar Bear sighting

Putnam, Christopher <christopher\_putnam@fws.gov>  
To: Craig Perham <craig\_perham@fws.gov>

Tue, Mar 25, 2014 at 11:10 AM

Christopher Putnam  
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

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

From: **Suzan Simonds** <ssimonds@saexploration.com>  
Date: Mon, Mar 24, 2014 at 4:32 PM  
Subject: FW: Bear Den and Polar Bear sighting  
To: "christopher\_putnam@fws.gov" <christopher\_putnam@fws.gov>

Hi Chris

Please call me

Sue Simonds

Permits and Regulatory Manager

SAExploration, Inc.

Safety – Acquisition - Experience

ssimonds@saexploration.com

8240 Sandlewood Place

Anchorage, Alaska 99507

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907-522-4498 Fax

saexploration.com

Event starts Thurs or Fri  
night?

Sue,

6-6pm  
1800-0600

On Thursday 20<sup>th</sup> night shift Sub-Rep Wilbur Leavitt was out with ice check crew when they noticed tracks of a bear that appeared to be dragging something heading West. Both ice checker and Sub-Rep went back on the direction the track were coming from and discovered possible bear den. He investigated and took some pictures and it was immediately reported to crew office and all crews working around the area were told to stay away 1 mile in all directions until further investigations were done.

0600-1800  
ba-lp

On Friday the 21<sup>st</sup> day shift Sub-Rep William Leavitt was sent out to investigate the possible den, when he arrived he made sure that no new tracks were around the area, as he looked around he saw two different tracks (adult female mom tracks and one cub tracks along with mom bear dragging unknown animal.)

At that point he back tracked all the tracks for about 100 yards finding the bear den. After making sure that there were no bears present in the area he proceeded to investigate the den which was the adult female den he saw a couple of drop of blood around the area and the den was half capped in with snow. He took attached pictures of the den and also found another hole that was connected to the Mother's den.

William and the driver decided to follow the tracks to see if the bear had stopped to eat the unknown animal, after 1 quarter of a mile the female and the cub rested on the open and then proceeded west again. After moving west for 1 ½ miles they overnight on the open. They proceeded west and over 1 quarter of a mile they rested again since the bear was still dragging unknown animal. At 12:25pm after driving for ½ of a mile the driver noticed something moving around 800 meters away. At that point they stopped and confirmed that it was a polar bear and her cub around that area, they reported immediately to Survey Supervisor who asked them to remain still while notifications were made. At 12:35 pm they were asked to leave the area and stay away 1 mile from each direction of the sighting. After moving over a mile away they were asked to watch for bear behaviors and to advise which way they were moving, bears started moving North, only mom and one cub were seen. After discovering bears around a different location, Sub-Rep made the call of bear den being abandoned.

Sub-rep is available to go to the field to confirm that the bears have abandoned the den, awaiting on orders.

Attached please find a power point presentations with pictures of bear tracks and bear sighting.



Regards,

**Ingmar Riveros**

SAE Exploration | Alaska

SAExploration

**Safety. Acquisition. Experience.**

1000 Sandbar Road, Suite 100

Kenai, AK 99551

Phone: 907.463.0000

[iriveros@saexploration.com](mailto:iriveros@saexploration.com)

By asking for the impossible, we obtain the possible.



**Bear den & Bear sighting.pptx**

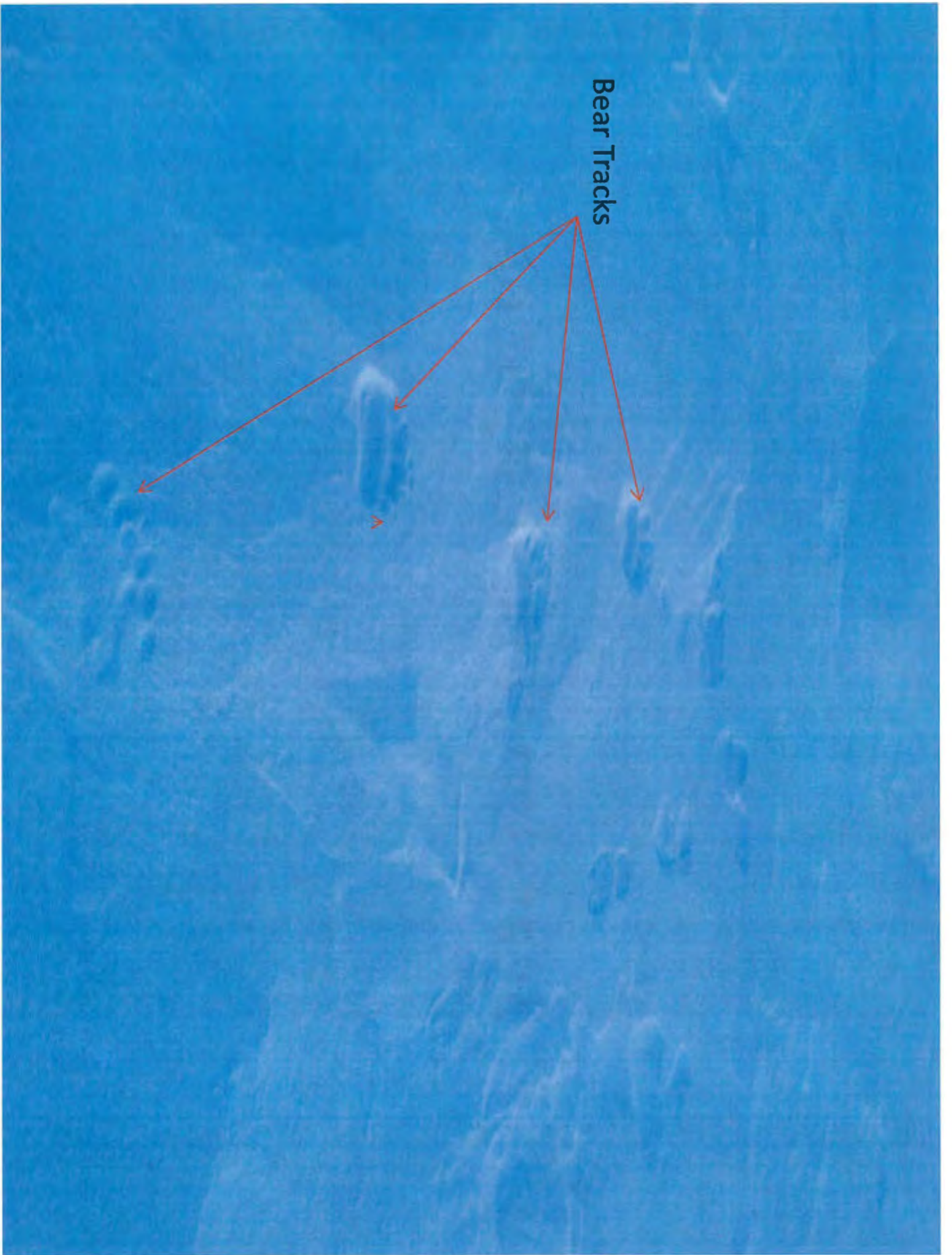
2693K

# Bear den & Bear sighting

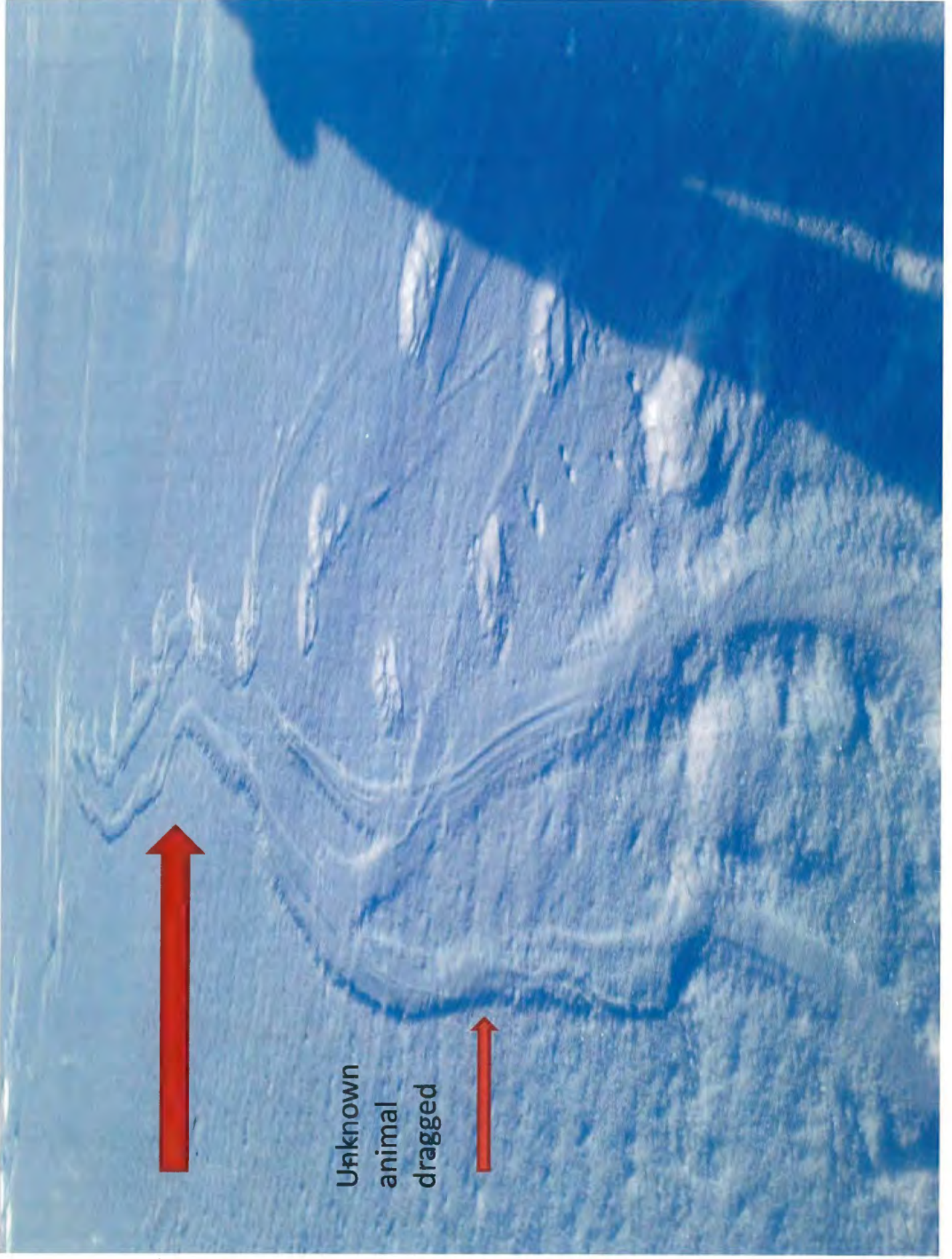
Pictures below:

Bear tracks, bear sighting.

Bear Tracks

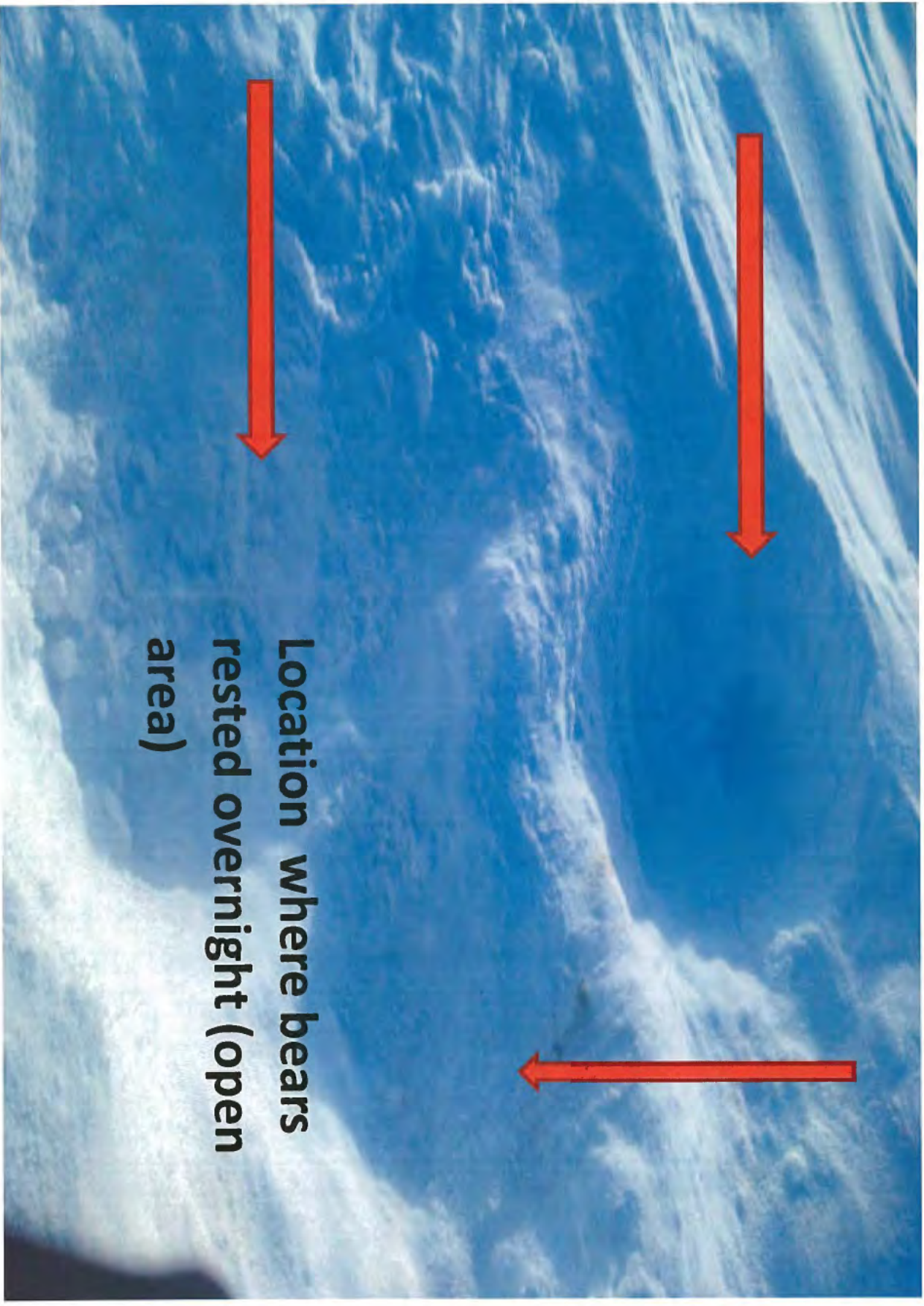




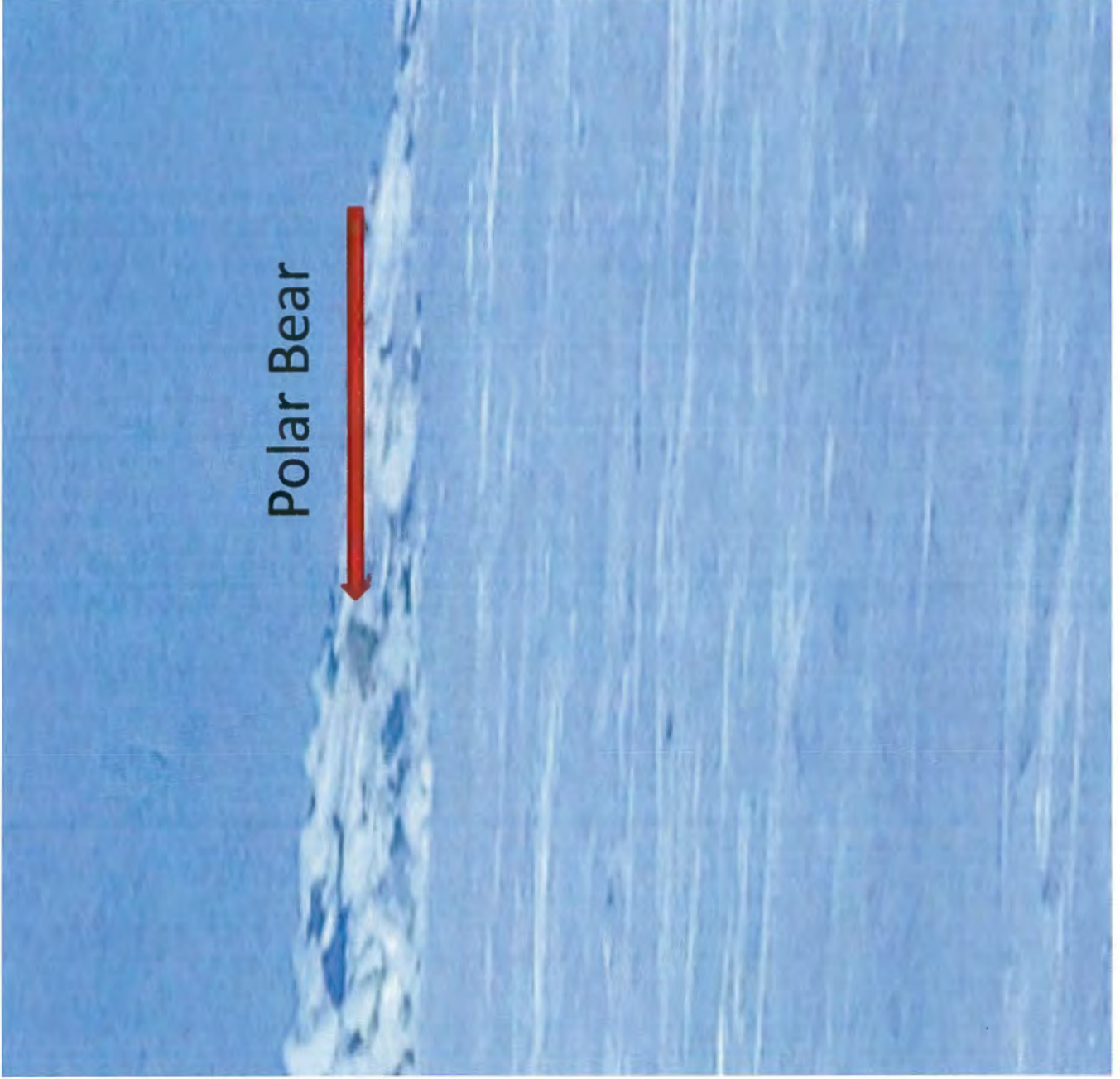


Unknown  
animal  
dragged





Polar Bear







Polar Bear



12

## Re: Polar Bear Sighting

Perham, Craig <craig\_perham@fws.gov>

Mon, Mar 24, 2014 at 8:37 AM

To: Suzan Simonds <:ssimonds@saexploration.com>

Cc: "christopher\_putnam@fws.gov" <christopher\_putnam@fws.gov>, Thomas Brower III <Thomas.BrowerIII@north-slope.org>, "Winters, Jack F (DFG)" <jack.winters@alaska.gov>, Charles Hamilton <charles\_hamilton@fws.gov>

Hi Sue,

Our first step is to get more info on what you have out there - Send a tracked vehicle to the pressure ridge. Approach up to approx. 150m (if there is no visual of the bear) to help us get photo info of the site and to see if the bear is still there. At this point from our discussion I don't know if the "hole" is a maternal den or an excavation site. Eyes in the area will tell us more. If the bear is out and, for example, you see it at 300m - stop at that distance and observe the bear. A bear in the area is a potential indicator of a maternal den. Don't go any further and try not to disturb it. You need to photo record the pressure ridge, the area, any tracks and the bear, if she is still there. Spend the shortest time possible getting the info even if no bears are observed as she may be in the "den." The size of the pressure ridge will tell us if it's tall enough for a den (to catch drifted snow it should be approx. 1.5m tall) or an excavation site. This information will help us formulate a mitigation plan as you move closer to the location.

We'll be in touch,

Craig

On Sat, Mar 22, 2014 at 2:36 PM, Suzan Simonds <[ssimonds@saexploration.com](mailto:ssimonds@saexploration.com)> wrote:

Hi Chris

Here is the report, that covers the information that was emailed and called in this morning. Please call with any further instructions.

Sue Simonds

Permits and Regulatory Manager

SAExploration, Inc.

Safety - Acquisition - Experience

[ssimonds@saexploration.com](mailto:ssimonds@saexploration.com)

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907-331-8140 Cell

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—  
Craig Perham  
Wildlife Biologist, Polar Bears and  
Incidental Take Coordinator  
U.S. Fish and Wildlife Service  
Marine Mammals Management  
1011 E. Tudor Road  
Anchorage, Alaska 99503

907/786-3810 (office)

907/887-3082 (cell)

907/786-3816 (FAX)





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## FW: Nigliq Fjords Simops Report 3-24-2014

**Suzan Simonds** <ssimonds@saexploration.com>

Mon, Mar 24, 2014 at 8:08 AM

To: "craig\_perham@fws.gov" <craig\_perham@fws.gov>

Cc: "christopher\_putnam@fws.gov" <christopher\_putnam@fws.gov>

Sue Simonds

Permits and Regulatory Manager

**SAExploration, Inc.**

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907-522-4498 Fax

saexploration.com

---

**From:** Cindy Schnabl

**Sent:** Monday, March 24, 2014 7:30 AM

**To:** 'northrop@interactive-es.com'; 'dennis.henderson@repsol.com'; 'luis.rodriquezr@repsol.com'; HARDHAM, WILLIAM D. (WDHARDHAM@repsol.com); HENDERSON, JENNIFER; NSK Plan Sim Ops Planner; Security Captain NSK (n1019@conocophillips.com); (b) (6); 'michael.quick@servexternos.repsol.com'; 'justin.shields@servexternos.repsol.com'; Stephen Rog; Ron Kandas; Howard Claiborne (b) (6); Alberto Ricardi; BULLON, JAMIE A; Fernando Cerda; Frederico Giannangeli; Irene Martin; Marco Terracciano; Mark Harlan; 'brian.brigandi@repsol.com'; Miguel Polanco; PARRADO, ROBERTO; Pedro Munoz; n1251@conocophillips.com; Rick YSA; Robert Jones; Teresa Castro; URIBE URIBE, JUAN FERNANDO; VILLALOBOS VENCELA, LORENZO; wdhardham@repsol.com; Yu Fen Chang; jeffrey.missal@bsee.gov  
**Cc:** Ted Smith; Rick Trupp; Brad Cutler; Cindy Schnabl; Mike Scott; Scott Nish; Mike Christison; Roland Ramsay; Vance Oslanski; Mario Reyes; Bill Carles; Brian McCampbell; 'pete.sloan@boem.gov'; 'ksopi@astacalaska.net';

'Thomas Brower III'; 'tony.cabinboy@north-slope.org'; teena@goldenplover.org; info@goldenplover.org;  
(b) (6); Suzan Simonds; Joe Pagliero; Rick Stolz; Jeff Hastings; Rod Brannen;  
(b) (6); sonny.kula@repsol.com; touns.touns.rene@repsol.com; paul.holley@servexternos.  
repsol.com; Steve Cook

**Subject:** Nigliq Fjords Simops Report 3-24-2014

Good Morning,

Please call or email with any questions.

Thank you

Cindy Schnabl

Simultaneous Operations Manager

**SAExploration, Inc.**

**Safety – Acquisition - Experience**

cschnabl@saexploration.com

8240 Sandlewood Place

Anchorage, Alaska 99507

907-398-9095 Cell

907-522-4499 Main

907-522-4498 Fax

saexploration.com



**Nigliq Simops Report 3-24-2014.pdf**

350K



## Nigliq Fjords 3D Seismic Survey

DATE: **Monday, March 24, 2014**

### Lay Out Crew

24hr Forecast	Layout crew working west. Vibes in production. Picking lines moving to the west
48hr Forecast:	Continue layout and production, picking lines

### Ice Check / Survey Crew

24hr Forecast	Ice check will be scouting receiver lines with the sub rep. Working towards the west.
48hr Forecast:	Continue scouting and ice checking

### Other Activities

24hr Forecast	2 trailers to be delivered, fuel delivery
48hr Forecast:	Ongoing supply delivery

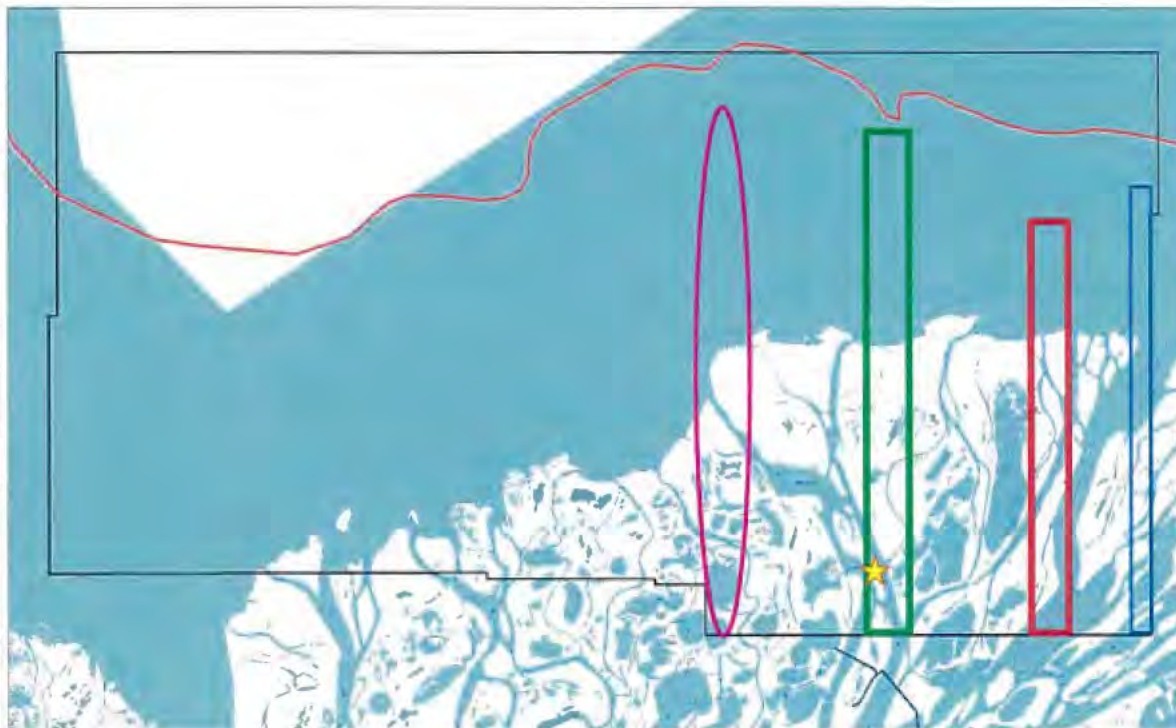
### NOTIFICATIONS

--

- ★ Camp/Crew Location
- Survey Crew
- Project boundary
- Lay out crew
- Vibes
- Pick up Crew

### SIM-OPS CONTACT LIST

Project Manager	Brian McCampbell	907-448-1314
HSE	Daniel/Ingmar	907-351-9364
Operations Sup.	Ted Smith	907-301-5453
SimOps	Cindy Schnabl	907-398-9095
Permits	Sue Simonds	907-331-8140







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## FW: Ice Check Daily Map 0323

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**Suzan Simonds** <ssimonds@saexploration.com>

Mon, Mar 24, 2014 at 8:05 AM

To: "craig\_perham@fws.gov" <craig\_perham@fws.gov>

Cc: "christopher\_putnam@fws.gov" <christopher\_putnam@fws.gov>

This map is confidential

Sue Simonds

Permits and Regulatory Manager

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---

**From:** Survey SAE Crew 85

**Sent:** Monday, March 24, 2014 5:29 AM

**To:** Brad Cutler; Ted Smith; Scott Nish; Cindy Schnabl; Suzan Simonds; Brian McCampbell; p84admin; Roland Ramsay; p85 admin1; Elizabeth Denna; (b) (6); Northrop@interactive-es.com; Chad Greengrass

**Subject:** Ice Check Daily Map 0323



NF3D\_March23\_ToDate.pdf  
3171K

**Perham, Craig** <craig\_perham@fws.gov>

Mon, Mar 24, 2014 at 8:23 AM

Draft To: Suzan Simonds <:ssimonds@saexploration.com>

Cc: "christopher\_putnam@fws.gov" <christopher\_putnam@fws.gov>

[Quoted text hidden]

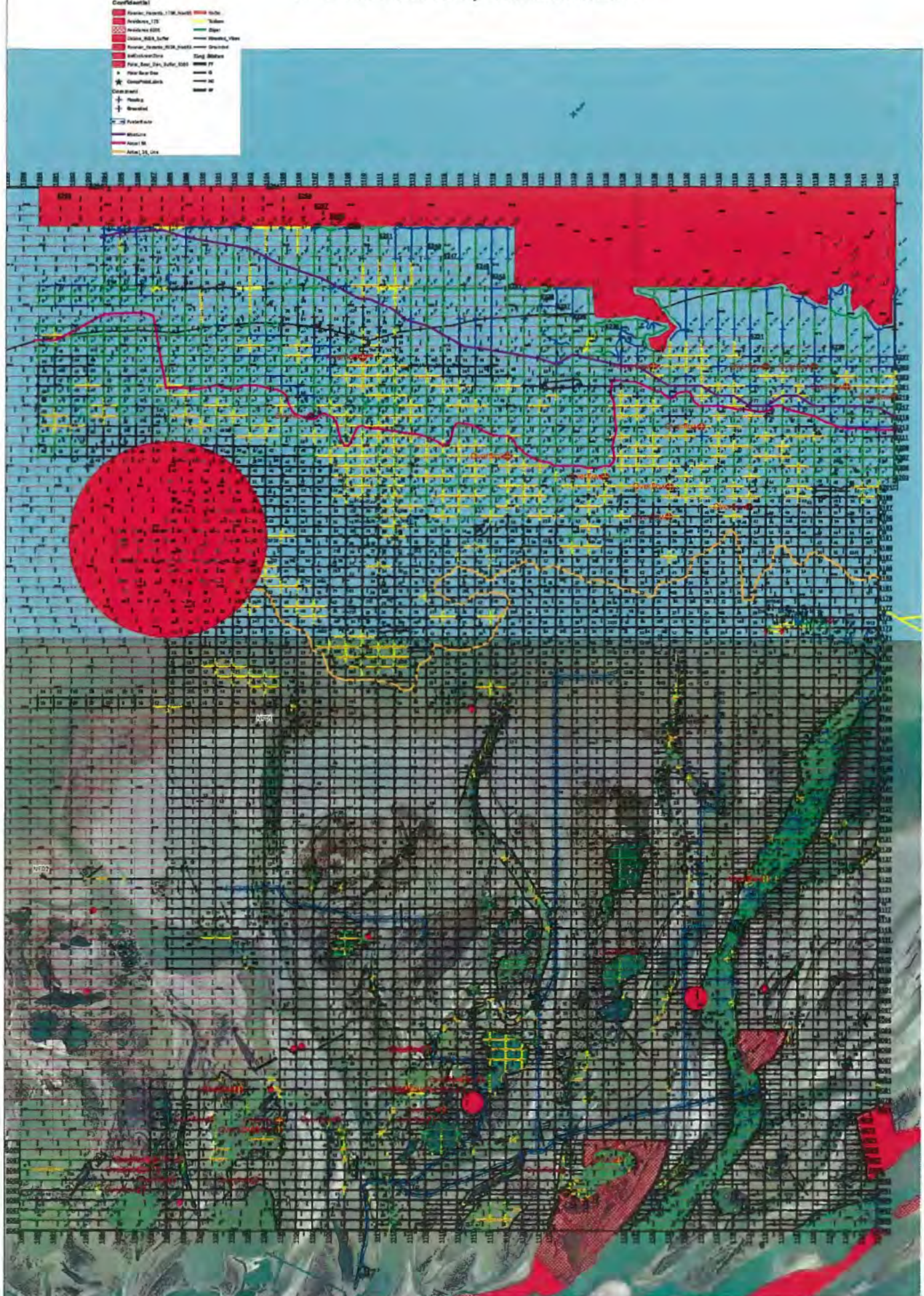
—

Craig Perham  
Wildlife Biologist, Polar Bears and  
Incidental Take Coordinator  
U.S. Fish and Wildlife Service  
Marine Mammals Management  
1011 E. Tudor Road  
Anchorage, Alaska 99503

907/786-3810 (office)  
907/887-3082 (cell)  
907/786-3816 (FAX)



Higley Field 30  
Ruppel  
SA Exploration - Alaska  
March 24, 2014  
Confidential







9

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## FW: track update

**Suzan Simonds** <ssimonds@saexploration.com>

Mon, Mar 24, 2014 at 7:00 AM

To: "christopher\_putnam@fws.gov" <christopher\_putnam@fws.gov>, "craig\_perham@fws.gov" <craig\_perham@fws.gov>

Hi Chris

I have read through all the emails again and they sub rep thinks it is a possible den. I got so many reports I had lost track. Can you please call? Do you go out and investigate? Would you like a map of the location?

Sue Simonds

Permits and Regulatory Manager

SAExploration, Inc.

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saexploration.com

---

**From:** Emily Green

**Sent:** Friday, March 21, 2014 11:09 PM

**To:** Suzan Simonds

**Cc:** Ingmar Riveros

**Subject:** track update

Track GPS coordinates: N 70 31.184 W 150 43.471

Reports coming in that the tracks are about 10 feet from a large hole in a pressure ridge- they're thinking possible den.

Will send more info as it comes in. I emphasized again the importance of photographic record.

**Emily Green**

**Safety. Acquisition. Experience.**

[egreen@saexploration.com](mailto:egreen@saexploration.com)



Please consider the environment before printing this e-mail



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## Mile Buffer

---

**Suzan Simonds** <ssimonds@saexploration.com>

Mon, Mar 24, 2014 at 6:33 AM

To: "christopher\_putnam@fws.gov" <christopher\_putnam@fws.gov>, "craig\_perham@fws.gov" <craig\_perham@fws.gov>

Hi Chris

Please call this morning concerning the bear sighting, we have put a mile buffer in our project and since it is a sighting we would like to remove it.

Sue Simonds

Permits and Regulatory Manager

SAExploration, Inc.

Safety – Acquisition - Experience

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907-522-4498 Fax

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✓ SID #5907

7

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## Polar Bear Sighting

**Suzan Simonds** <ssimonds@saexploration.com>

Sat, Mar 22, 2014 at 2:36 PM

To: "christopher\_putnam@fws.gov" <christopher\_putnam@fws.gov>, "craig\_perham@fws.gov" <craig\_perham@fws.gov>

Cc: Thomas Brower III <Thomas.BrowerIII@north-slope.org>, "Winters, Jack F (DFG)" <jack.winters@alaska.gov>

Hi Chris

Here is the report, that covers the information that was emailed and called in this morning.  
Please call with any further instructions.

Sue Simonds

Permits and Regulatory Manager

SAExploration, Inc.

Safety -- Acquisition - Experience

ssimonds@saexploration.com

8240 Sandlewood Place

Anchorage, Alaska 99507

907-331-8140 Cell

907-267-0305 Direct

907-522-4499 Main

907-522-4498 Fax

saexploration.com



**Bear sighting 3-22-14.pdf**

271K

United States Department of the Interior

FISH AND WILDLIFE SERVICE

1011 E. Tudor Road

Anchorage, Alaska 99503-6199

POLAR BEAR SIGHTING REPORT

Date: 3/22/14

Observer name: William Leavitt

Time: 12:30

Contact number/email: \_\_\_\_\_

Location: \_\_\_\_\_

Latitude: N 70° 33.179' Longitude: W 150 49.172' Datum: \_\_\_\_\_

Weather conditions: Fog \_\_\_\_\_ Snow \_\_\_\_\_ Rain \_\_\_\_\_ Clear ☒ Temperature \_\_\_\_\_ F/C

Wind speed: 3 mph kts Wind direction: \_\_\_\_\_ Visibility: Poor \_\_\_\_\_ Fair \_\_\_\_\_ Good ☒ Excellent \_\_\_\_\_

Number of bears:

1 Adult M/F

\_\_\_\_\_ Sub-adult

\_\_\_\_\_ Unknown

2 Sow/cub(s)

\_\_\_\_\_ Sow/yearling(s)

\_\_\_\_\_ Sow/2YO(s)

Estimated distance of bear(s) from personnel: 275 (meters) and facility: 14,484 (meters)  
(closest point) (closest point)

Possible attractants present: \_\_\_\_\_

Bear behavior: Standing by near dead cub.

Description of encounter: Sub-rep/and ice checker, were sent to confirmed on a possible bear Den. At 11:40 Den was confirmed, heading to line to get near other co-workers, they reported bear sighting. Per Sub-Rep William Leavitt, ADULT Female with one Alive Cub and one Dead Cub. Crew was informed to leave area and to stay over a mile away in each direction. Estimated about 200yds away from vehicle.

Duration of encounter: 10 minutes

Deterrents used/distance:

☒ Vehicle

\_\_\_\_\_ Crackershell

\_\_\_\_\_ Rubber bullet

\_\_\_\_\_ Bean bag

\_\_\_\_\_ Horn/siren

\_\_\_\_\_ Spotlight/Headlight

\_\_\_\_\_ Other

Agency/Contacts:

USFWS\_Craig Perham (786-3810) (FAX: 786-3816) \_\_\_\_\_ Time \_\_\_\_\_ Date \_\_\_\_\_

ADF&G\_Dick Snider (459-7283) (FAX: 456-3091) \_\_\_\_\_ Time \_\_\_\_\_ Date \_\_\_\_\_

CLIENT \_\_\_\_\_ Time \_\_\_\_\_ Date \_\_\_\_\_



✓SID 5907

6

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## POLAR BEAR SIGHTING

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**Suzan Simonds** <ssimonds@saexploration.com>

Sat, Mar 22, 2014 at 12:57 PM

To: "craig\_perham@fws.gov" <craig\_perham@fws.gov>, "christopher\_putnam@fws.gov" <christopher\_putnam@fws.gov>

Cc: "Winters, Jack F (DFG)" <jack.winters@alaska.gov>

Hi Chris and Craig

Along with the tracks yesterday, We have had a polar bear sighting today, A bear with two cubs, our sub rep thinks one of them may possible be dead. A report will follow shortly, Please advise.

Sue Simonds

Permits and Regulatory Manager

SAExploration, Inc.

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✓SID 5907

5

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## Possible bear Den

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**Suzan Simonds** <ssimonds@saexploration.com>

Sat, Mar 22, 2014 at 9:14 AM

To: "christopher\_putnam@fws.gov" <christopher\_putnam@fws.gov>, "craig\_perham@fws.gov" <craig\_perham@fws.gov>

Cc: Ted Smith <tsmith@saexploration.com>, Chad Greengrass <cgreengrass@saexploration.com>

Hi Chris

We may have a possible polar bear den, I have tried both you and Craig several times this morning. Can you please give me a call?

Sue Simonds

Permits and Regulatory Manager

SAExploration, Inc.

Safety - Acquisition - Experience

ssimonds@saexploration.com

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907-522-4498 Fax

saexploration.com



✓SID 5903

4

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## photos from 3-21 sighting

**Suzan Simonds** <ssimonds@saexploration.com>

Sat, Mar 22, 2014 at 8:25 AM

To: "christopher\_putnam@fws.gov" <christopher\_putnam@fws.gov>, "craig\_perham@fws.gov"

<craig\_perham@fws.gov>

Cc: "Winters, Jack F (DFG)" <jack.winters@alaska.gov>

Photos' of prints.

Hi Chris, Can you please give me a call. Thanks

Sue Simonds

Permits and Regulatory Manager

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ssimonds@saexploration.com

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907-522-4499 Main

907-522-4498 Fax

saexploration.com

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5 attachments



**IMG\_0683.jpg**  
1218K



**IMG\_0684.jpg**  
1330K



**IMG\_0685.jpg**  
1180K



**IMG\_0686.jpg**  
1205K



**IMG\_0688.jpg**  
1444K















SID ✓ 5903

③

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## FW: track update

**Suzan Simonds** <ssimonds@saexploration.com>

Sat, Mar 22, 2014 at 8:10 AM

To: "christopher\_putnam@fws.gov" <christopher\_putnam@fws.gov>, "craig\_perham@fws.gov" <craig\_perham@fws.gov>

Cc: Thomas Brower III <Thomas.BrowerIII@north-slope.org>, "Winters, Jack F (DFG)" <jack.winters@alaska.gov>

### Updated information

Sue Simonds

Permits and Regulatory Manager

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Anchorage, Alaska 99507

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907-522-4499 Main

907-522-4498 Fax

saexploration.com

---

**From:** Emily Green

**Sent:** Friday, March 21, 2014 11:09 PM

**To:** Suzan Simonds

**Cc:** Ingmar Riveros

**Subject:** track update

Track GPS coordinates: N 70 31.184 W 150 43.471

Reports coming in that the tracks are about 10 feet from a large hole in a pressure ridge- they're thinking possible den.

Will send more info as it comes in. I emphasized again the importance of photographic record.

**Emily Green**

**Safety. Acquisition. Experience.**

[egreen@saexploration.com](mailto:egreen@saexploration.com)



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✓ SID# 5907

2

## FW: Track sighting

**Suzan Simonds** <ssimonds@saexploration.com>

Sat, Mar 22, 2014 at 8:08 AM

To: "christopher\_putnam@fws.gov" <christopher\_putnam@fws.gov>, "craig\_perham@fws.gov"

<craig\_perham@fws.gov>

Cc: "Winters, Jack F (DFG)" <jack.winters@alaska.gov>, Thomas Brower III <Thomas.BrowerIII@north-slope.org>

Please review, we have had another polar bear track sighting, report to follow.

Sue Simonds

Permits and Regulatory Manager

SAExploration, Inc.

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ssimonds@saexploration.com

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Anchorage, Alaska 99507

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saexploration.com

---

**From:** Emily Green

**Sent:** Friday, March 21, 2014 11:02 PM

**To:** Suzan Simonds

**Cc:** Ingmar Riveros

**Subject:** Track sighting

Good evening, Sue.

We've had another sighting of polar bear tracks. This time the tracks were bloody and it appears that the bear was dragging a catch, most likely a seal. We are still awaiting photos and further details as our sub rep is out



there right now with one of our ice checkers evaluating the situation. Here's what we have thus far: Line/station 1097/5480-81, the tracks appear to be heading northwest away from the spread. The sub rep is determining how fresh the tracks are. I will keep you apprised of the details as they come in and the guys checking it out have been advised to bring back photos and an accurate GPS locate.

**Emily Green**

**Safety. Acquisition. Experience.**

[egreen@saexploration.com](mailto:egreen@saexploration.com)



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SID # 5903

(1)

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## Polar Bear Tracks

---

**Suzan Simonds** <ssimonds@saexploration.com>

Sat, Mar 22, 2014 at 7:52 AM

To: "christopher\_putnam@fws.gov" <christopher\_putnam@fws.gov>, "craig\_perham@fws.gov" <craig\_perham@fws.gov>

Hi Guys

Attached is another report for tracks, please call me.



**RptEventRecord 3-21.pdf**

49K



## EVENT REPORT - HAZARD - CREW 86 - 20140321

✓SID 5903

Fri night

Project : Niglig-Fiord 3D  
Event ID : EV140328162  
Country : UNITED STATES - AK  
Place of Operation : CREW 86  
Report Author : Emily Green

Client : REPSOL E&P USA INC. - ALASKA  
Status : Active  
Type of Place of Operation : CREW  
Event Date and Time : 03/21/2014 22:30  
Report Date : 03/22/2014 06:52

Need to  
report  
by 1030 am  
3/22/14  
Sat

Type of Entity : COMPANY  
Reporter : Emily Green

**Place of Operation**

Operating Activities : LINE PREPARATION, CLEARING,  
SURVEY, CLEAN UP

Event Location : SEISMIC PROSPECT

**Environmental Conditions**

Light :  
Precipitation :  
Terrain :  
Wave Direction :  
Tide Direction :  
Temperature :  
Movement of the wind :  
Wave Height :  
Tide Height :

**OCCURRENCES**

Occurrence ID : PEL140320682

Description : HAZARD

Is it work related? : YES

Status : Active

Description of Occurrence: Ice checker spotted polar bear tracks. The tracks had blood near them and were accompanied by what appear to be drag marks, indicating a fresh kill. Line-Station: 1097-5481. Track GPS coordinates: N 70 31.184 W 150 43.471. Tracks appear to be heading northwest, away from the spread. The Sub Rep was dispatched to the site and confirmed that they were polar bear tracks. Near the tracks is a large hole dug out of the snow near a pressure ridge. The crew has been advised to treat this as a possible den and to observe the 1-mile radius of non-entry, per Niglig-Fiord 3D Emergency Response Plan protocol for polar bear dens.

**Evaluation of Potential Loss**

Exposure: USUALLY  
Probability: UNUSUAL BUT POSSIBLE  
Risk Score: 150.00  
Consequence: LOCALIZED  
Relative Severity: MODERATE RISK

**Causes and Corrective Actions**

Immediate Causes: Bear tracks with evidence of kill spotted on the line  
Immediate Actions: Called location in to supervisor, notified HSE, Crew Management, Client. Sub Rep dispatched and confirmed. Crew to observe 1-mile radius of non-entry

**Action Plan**

- SAFETY MEETING

**ACTION POINTS****COMMENTS**





<b>Project :</b> Nigliq-Fiord 3D	<b>Client :</b> REPSOL E&P USA INC. - ALASKA
<b>Event ID :</b> EV140328162	<b>Status :</b> Active
<b>Country :</b> UNITED STATES - AK	<b>Type of Place of Operation :</b> CREW
<b>Place of Operation :</b> CREW 86	<b>Event Date and Time :</b> 03/21/2014 22:30
<b>Report Author :</b> Emily Green	<b>Report Date :</b> 03/22/2014 06:52

**Type of Entity :** COMPANY  
**Reporter :** Emily Green

<b><u>Place of Operation</u></b>	
<b>Operating Activities :</b> LINE PREPARATION, CLEARING, SURVEY, CLEAN UP	<b>Event Location :</b> SEISMIC PROSPECT

<b><u>Environmental Conditions</u></b>	
<b>Light :</b>	<b>Temperature :</b>
<b>Precipitation :</b>	<b>Movement of the wind :</b>
<b>Terrain :</b>	<b>Wave Height :</b>
<b>Wave Direction :</b>	<b>Tide Height :</b>
<b>Tide Direction :</b>	

<b>OCURRENCES</b>
-------------------

<b>Occurrence ID :</b> PEL140320682	
<b>Description :</b> HAZARD	<b>Is it work related? :</b> YES
<b>Status :</b> Active	

**Description of Occurrence:** Ice checker spotted polar bear tracks. The tracks had blood near them and were accompanied by what appear to drag marks, indicating a fresh kill. Line-Station: 1097-5481. Track GPS coordinates: N 70 31.184 W 150 43.471. Tracks appear to be heading northwest, away from the spread. The Sub Rep was dispatched to the site and confirmed that they were polar bear tracks. Near the tracks is a large hole dug out of the snow near a pressure ridge. The crew has been advised to treat this as a possible den and to observe the 1-mile radius of non-entry, per Nigliq-Fiord 3D Emergency Response Plan protocol for polar bear dens.

**Evaluation of Potential Loss**

<b>Exposure:</b> USUALLY	<b>Consequence:</b> LOCALIZED
<b>Probability:</b> UNUSUAL BUT POSSIBLE	
<b>Risk Score:</b> 150.00	<b>Relative Severity:</b> MODERATE RISK

**Causes and Corrective Actions**

**Immediate Causes:** Bear tracks with evidence of kill spotted on the line

**Immediate Actions:** Called location in to supervisor, notified HSE, Crew Management, Client. Sub Rep dispatched and confirmed. Crew to observe 1-mile radius of non-entry

**Action Plan**

- SAFETY MEETING

<b>ACTION POINTS</b>
----------------------

<b>COMMENTS</b>
-----------------





## FISH AND WILDLIFE SERVICE

1011 E. Tudor Road

Anchorage, Alaska 99503-6199

## POLAR BEAR SIGHTING REPORT

Date: 3/22/14  
Time: 12:30Observer name: William Leavitt  
Contact number/email: \_\_\_\_\_

Location: \_\_\_\_\_

Latitude: N 70° 33.179' Longitude W 150 49.172' Datum: \_\_\_\_\_Weather conditions: Fog \_\_\_\_\_ Snow \_\_\_\_\_ Rain \_\_\_\_\_ Clear ☒ Temperature \_\_\_\_\_ F/CWind speed 3 mph/kts Wind direction \_\_\_\_\_ Visibility: Poor  
Fair  
Good ☒  
Excellent \_\_\_\_\_

Number of bears:

1 Adult M/F  
\_\_\_\_ Sub-adult  
\_\_\_\_ Unknown2 Sow/cub(s)  
\_\_\_\_ Sow/yearling(s)  
\_\_\_\_ Sow/2YO(s)Estimated distance of bear(s) from personnel 275 (meters) and facility: 14,484 (meters)  
(closest point) (closest point)

Possible attractants present: \_\_\_\_\_

Bear behavior: Standing by near dead cub.

Description of encounter: Sub-rep and ice checker, were sent to confirmed on a possible bear den. At 11:40 den was confirmed, heading to line to get near other co-workers, they reported bear sighting. Per Sub-Rep William Leavitt, Adult Female with one Alive Cub and one Dead cub. Crew was informed to leave area and to stay over a mile away in each direction. Estimated about 300 yds away from vehicle.

Duration of encounter: 10 minutes

Deterrents used/distance:

☒ Vehicle \_\_\_\_\_ Bean bag \_\_\_\_\_ Other \_\_\_\_\_  
\_\_\_\_ Crackershell \_\_\_\_\_ Horn/siren \_\_\_\_\_  
\_\_\_\_ Rubber bullet \_\_\_\_\_ Spotlight/Headlight \_\_\_\_\_

Agency/Contacts:

USFWS\_Craig Parnham (786-3810) (FAX: 786-3816) \_\_\_\_\_ Time \_\_\_\_\_ Date \_\_\_\_\_  
ADF&G\_Dick Shideler (459-7283) (FAX: 456-3091) \_\_\_\_\_ Time \_\_\_\_\_ Date \_\_\_\_\_  
CLIENT \_\_\_\_\_ Time \_\_\_\_\_ Date \_\_\_\_\_



Putnam, Christopher <christopher\_putnam@fws.gov>

---

## photos from 3-21 sighting

1 message

---

**Suzan Simonds** <ssimonds@saexploration.com>

Sat, Mar 22, 2014 at 8:25 AM

To: "christopher\_putnam@fws.gov" <christopher\_putnam@fws.gov>, "craig\_perham@fws.gov" <craig\_perham@fws.gov>

Cc: "Winters, Jack F (DFG)" <jack.winters@alaska.gov>

Photos' of prints.

Hi Chris, Can you please give me a call. Thanks

Sue Simonds

Permits and Regulatory Manager

SAExploration, Inc.

Safety – Acquisition - Experience

ssimonds@saexploration.com

8240 Sandlewood Place

Anchorage, Alaska 99507

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907-267-0305 Direct

907-522-4499 Main

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**5 attachments**



**IMG\_0683.jpg**  
1218K



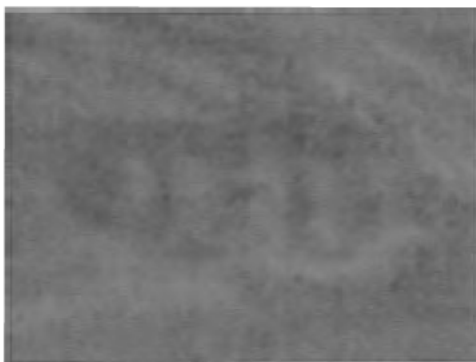
**IMG\_0684.jpg**  
1330K



**IMG\_0685.jpg**  
1180K



**IMG\_0686.jpg**  
1205K



**IMG\_0688.jpg**  
1444K





**Bear den & Bear sighting.pptx**

2693K



Putnam, Christopher &lt;christopher\_putnam@fws.gov&gt;

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**FW: Bear Den and Polar Bear sighting**

1 message

**Suzan Simonds** <ssimonds@saexploration.com>

Mon, Mar 24, 2014 at 4:32 PM

To: "christopher\_putnam@fws.gov" &lt;christopher\_putnam@fws.gov&gt;

Hi Chris

Please call me

Sue Simonds

Permits and Regulatory Manager

SAExploration, Inc.

Safety – Acquisition - Experience

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Sue,

On Thursday 20<sup>th</sup> night shift Sub-Rep Wilbur Leavitt was out with ice check crew when they noticed tracks of a bear that appeared to be dragging something heading West. Both ice checker and Sub-Rep went back on the direction the track were coming from and discovered possible bear den. He investigated and took some pictures and it was immediately reported to crew office and all crews working around the area were told to stay away 1 mile in all directions until further investigations were done.

On Friday the 21<sup>st</sup> day shift Sub-Rep William Leavitt was sent out to investigate the possible den, when he arrived he made sure that no new tracks were around the area, as he looked around he saw two different tracks (adult female mom tracks and one cub tracks along with mom bear dragging unknown animal.)

At that point he back tracked all the tracks for about 100 yards finding the bear den. After making sure that there were no bears present in the area he proceeded to investigate the den which was the adult female den he saw a couple of drops of blood around the area and the den was half capped in with snow. He took attached pictures of the den and also found another hole that was connected to the Mother's den.

William and the driver decided to follow the tracks to see if the bear had stopped to eat the unknown animal, after 1 quarter of a mile the female and the cub rested on the open and then proceeded west again. After moving west for 1 ½ miles they overnigh on the open. They proceeded west and over 1 quarter of a mile they rested again since the bear was still dragging unknown animal. At 12:25pm after driving for ½ of a mile the driver noticed something moving around 800 meters away. At that point they stopped and confirmed that it was a polar bear and her cub around that area, they reported immediately to Survey Supervisor who asked them to remain still while notifications were made. At 12:35 pm they were asked to leave the area and stay away 1 mile from each direction of the sighting. After moving over a mile away they were asked to watch for bear behaviors and to advise which way they were moving, bears started moving North, only mom and one cub were seen. After discovering bears around a different location, Sub-Rep made the call of bear den being abandoned.

Sub-rep is available to go to the field to confirm that the bears have abandoned the den, awaiting on orders.

Attached please find a power point presentations with pictures of bear tracks and bear sighting.

Regards,

Fri

**Ingmar Riveros**  
HSE Advisor | Alaska

wrote today

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By asking for the impossible, we obtain the possible.