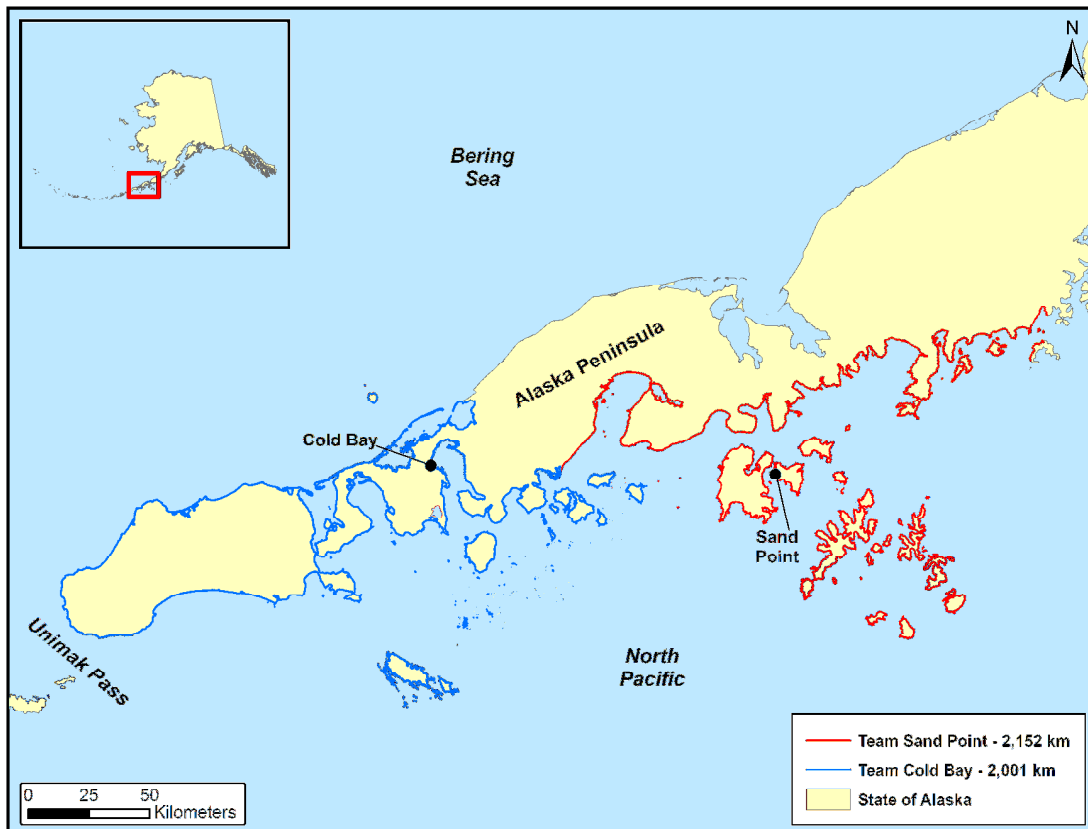


FLIGHT REPORT
ShoreZone Aerial Video Imaging (AVI) Survey
Southwest Alaska
May 16-21, 2011
Team Sand Point (SP)
Team Cold Bay (CB)



prepared for:

NOAA National Marine Fisheries Service

COASTAL & OCEAN
RESOURCES INC.

759A Vanalman Ave
Victoria, BC. V8Z 3B8. Canada



The purpose of this flight report is to summarize the field activities of the ShoreZone aerial video imaging (AVI) survey conducted out of **Sand Point** and **Cold Bay** in Southwest Alaska during the low-tide window of **May 16-21, 2011**. The survey was conducted by Coastal & Ocean Resources Inc. (CORI) under contract with NOAA National Marine Fisheries Service. Coastal ecologists from Archipelago Marine Research Ltd (AMRL) and NOAA National Marine Fisheries Service provided biological observations during the flights. Tables 1 & 2 provide a summary of crew affiliations and responsibilities.

The tables and figures on the following pages summarize the extent and location of the AVI data and imagery collected by the team, a total of **4,153 km of shoreline** (2,152 km by Team Sand Point and 2,001 km by Team Cold Bay). The teams utilized helicopters charted from Maritime Helicopters in Kodiak, Alaska and Egli Air Haul in King Salmon, Alaska. Imagery was collected looking at the shoreline from the left side of the aircraft with the rear door removed. A total of 45 mini DV master tapes (24 by Team Sand Point and 21 by Team Cold Bay) were collected during the survey and recorded to DVDs. This report contains a summary table for each tape, illustrating its location, length, and key geographic points. Maps for each tape are annotated with representative geographic names, trackline times (hh:mm:ss UTC in 24-hour clock time; UTC time is 8 hours ahead of Alaska Daylight Time), and photo numbers. The six-digit UTC time is also imprinted on the video imagery that is provided on DVDs with this report.

All photos are supplied on hard drive, organized by tape number for each team, consistent with the image library. A total of 29,962 photos were collected by the team. The shapefiles and GIS data that accompany this report on DVD illustrate the flight trackline positions at 1-second intervals (displayed by tape number), as well as the digital shoreline segments flown. Within each survey, data and imagery are linked by a date time code (yyyymmddhhmmss). When processing is complete, all imagery will be posted online at the NOAA ShoreZone web site (<http://www.fakr.noaa.gov/maps/szintro.htm>).

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Team Sand Point Survey Data

Table 1. Flight Personnel and Responsibilities: Team Sand Point (SP)

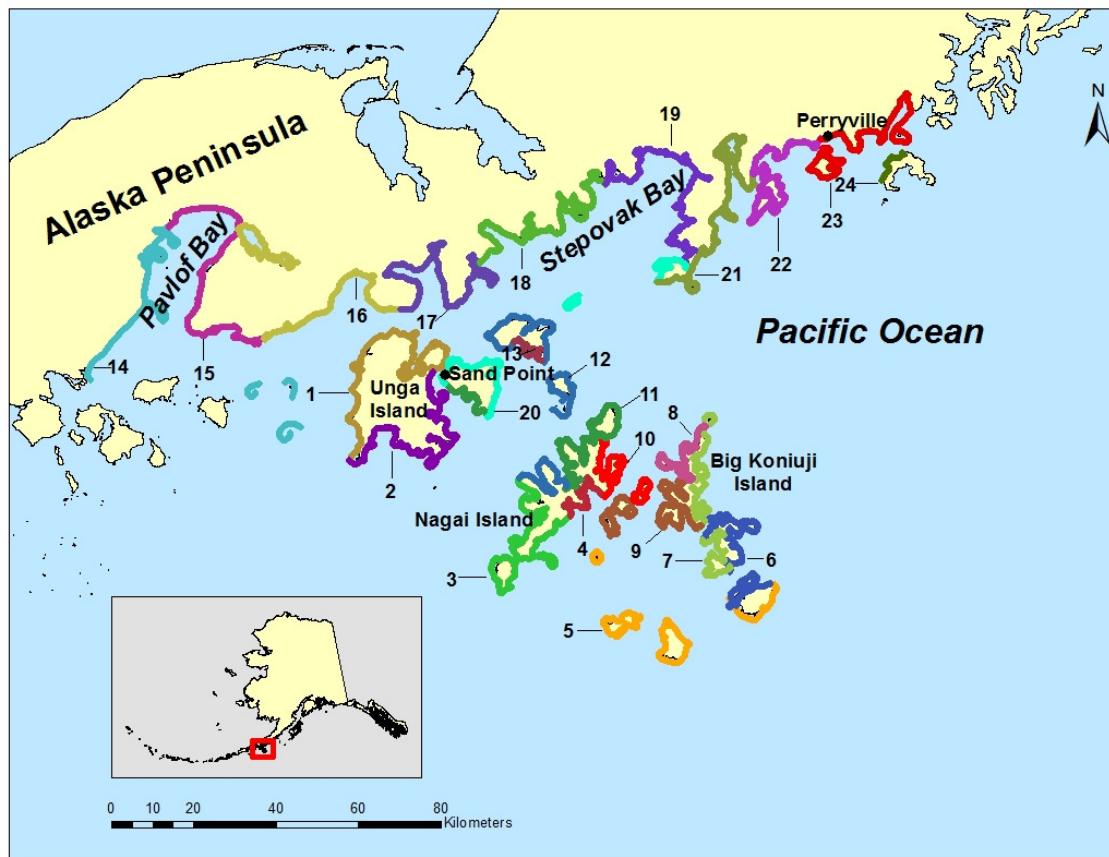
Crew Member	Individual / Affiliation	Responsibilities
<i>Geomorphologist</i>	John Harper / Sean Daley CORI, Victoria, BC	survey coordination, videography, geomorphic commentary, post-flight data processing, project reporting
<i>Coastal Ecologist</i>	Mary Morris AMR, Victoria, BC	digital photography, biologic commentary
<i>Navigators</i>	John Harper / Sean Daley CORI, Victoria, BC	in-flight navigation, post-flight data processing
<i>Pilot</i>	Tom Walters Maritime Helicopters Kodiak, Alaska	

Table 2. Summary of Survey Tapes for Team Sand Point (SP).

Tape Number	Location
SW11_SP_01	North Unga Island
SW11_SP_02	South Unga Island
SW11_SP_03	Nagai Island
SW11_SP_04	Nagai Island
SW11_SP_05	Bird Island, Chernabura Island, Simeonof Island
SW11_SP_06	Simeonof Island, Nagai Island, Little Koniuji Island
SW11_SP_07	Little Koniuji Island & Big Koniuji Island
SW11_SP_08	Big Koniuji Island
SW11_SP_09	Big Koniuji Island, Bendel Island, Turner Island
SW11_SP_10	Spectacle Island and Nagai Island
SW11_SP_11	East Popof Island, North Nagai Island
SW11_SP_12	East Nagai, Andronica Island, Korovin Island
SW11_SP_13	Korovin Bay
SW11_SP_14	Jude, Omega, Kennoys Islands; Pavlof Bay
SW11_SP_15	Pavlof Bay, Coal Bay
SW11_SP_16	Beaver Bay, Cape Aliaksin
SW11_SP_17	Cape Aliaksin, Balboa Bay
SW11_SP_18	Dorenoi Bay, American Bay, Clark Bay
SW11_SP_19	Stepovak Bay, Kupreanof Peninsula
SW11_SP_20	Kupreanof Peninsula, Karpa Island, Popof Island
SW11_SP_21	Kupreanof Peninsula, Ivanof Bay
SW11_SP_22	Egg Island, Paul Island, Jacob Island, Humpback Bay
SW11_SP_23	Chiachi Island, Anchor Bay, Mitrofanina Bay
SW11_SP_24	Mitrofanina Island

**ShoreZone Aerial Video Imaging (AVI) Survey
Southwest Alaska
May 16-21, 2011**

Team Sand Point (SP)
Survey Maps and Tape Logs
DVDs: SW11_SP_01 to SW11_SP_24



Flight trackline map showing the location and extent of specific videotapes (DVDs) for the May 16-21, 2011 **Team Sand Point** survey in Southwest Alaska



2011 Southwest Alaska Aerial Video Imaging Survey **Team Sand Point (SP)**

Tape: SW11_SP_01

Date: 16 May 2011

General Location: North Unga Island

Time Start (UTC): 14:30:56

Fuel Break: none

Time End (UTC): 15:29:11

Tape Length: 60 min 01 sec

Weather: Overcast, calm

Geo: Harper

Bio: Morris

Nav: Daley

Pilot: Walters

Time (UTC)	Location	Photo
14:30:56	NE coast of Unga Is	sw11_sp_00002.jpg
14:53:02	Head of Zachary Bay, Unga Is	sw11_sp_00272.jpg
15:07:06	Unga Spit, NW Unga Is	sw11_sp_00445.jpg
15:19:14	Pinnacle Pt, Unga Is	sw11_sp_00628.jpg
15:29:11	Acheredin Pt, Unga Is	sw11_sp_00782.jpg



2011 Southwest Alaska Aerial Video Imaging Survey Team Sand Point (SP)

Tape: SW11_SP_02

Date: 16 May 2011

General Location: Southeast Unga Island

Time Start (UTC): 15:30:47

Geo: Harper

Fuel Break: none

Bio: Morris

Time End (UTC): 16:28:49

Nav: Daley

Tape Length: 58 min 02 sec

Pilot: Walters

Weather: Overcast, calm

Time (UTC)	Location	Photo
15:30:47	Acheredin Pt, Unga Is	sw11_sp_00783.jpg
15:42:41	Lagoon mouth, Acheredin Bay, Unga Is	sw11_sp_00973.jpg
15:55:12	Unga Cape, SE tip Unga Is	sw11_sp_01165.jpg
16:02:24	Head of Delarof Harbor, Unga Is	sw11_sp_01165.jpg
16:15:35	Head of Baralof Bay, Unga Is	sw11_sp_01455.jpg
16:28:49	NE corner of Unga Is	sw11_sp_01638.jpg



2011 Southwest Alaska Aerial Video Imaging Survey Team Sand Point (SP)

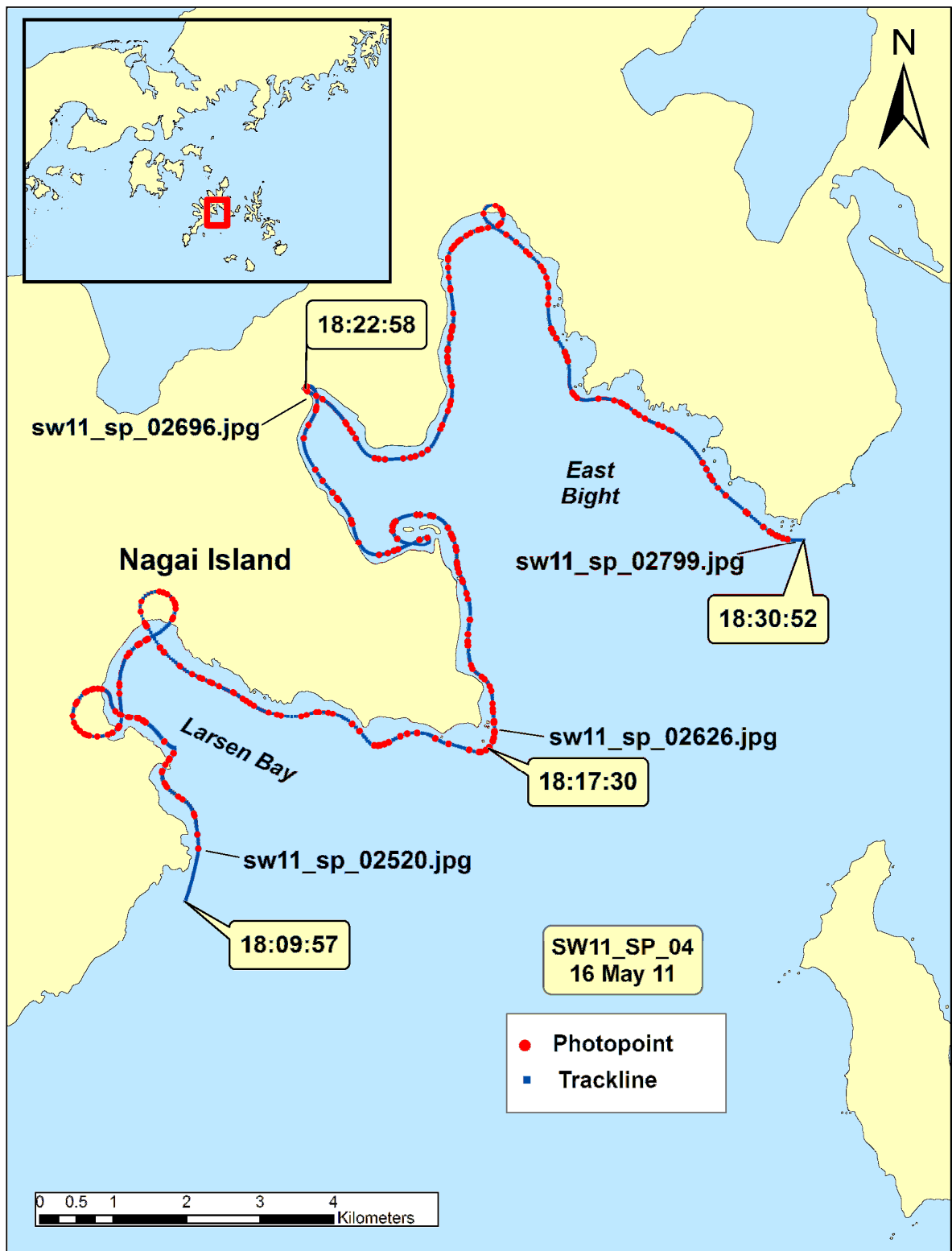
Tape: SW11_SP_03

Date: 16 May 2011

General Location: Nagai Island
Time Start (UTC): 17:09:08
Fuel Break: none
Time End (UTC): 18:08:47
Tape Length: 59 min 39 sec
Weather: Overcast, calm

Geo: Daley
Bio: Morris
Nav: Harper
Pilot: Walters

Time (UTC)	Location	Photo
17:09:08	Wooly Head, Nagai Island	sw11_sp_01640.jpg
17:25:54	SW Nagai Island	sw11_sp_01876.jpg
17:30:30	John Island	sw11_sp_01950.jpg
17:41:50	Mountain Point, South Nagai Island	sw11_sp_02142.jpg
17:53:53	Near Island	sw11_sp_02306.jpg
18:08:47	Larsen Bay	sw11_sp_02518.jpg



2011 Southwest Alaska Aerial Video Imaging Survey Team Sand Point (SP)

Tape: SW11_SP_04

Date: 16 May 2011

General Location: Nagai Island
Time Start (UTC): 18:09:57
Fuel Break: none
Time End (UTC): 18:30:52
Tape Length: 20 min 55 sec
Weather: Overcast, calm

Geo: Daley
Bio: Morris
Nav: Harper
Pilot: Walters

Time (UTC)	Location	Photo
18:09:57	Larsen Bay	sw11_sp_02520.jpg
18:17:30	East Nagai Island	sw11_sp_02626.jpg
18:22:58	Nagai Island	sw11_sp_02696.jpg
18:30:52	East Bight, Nagai Island	sw11_sp_02799.jpg



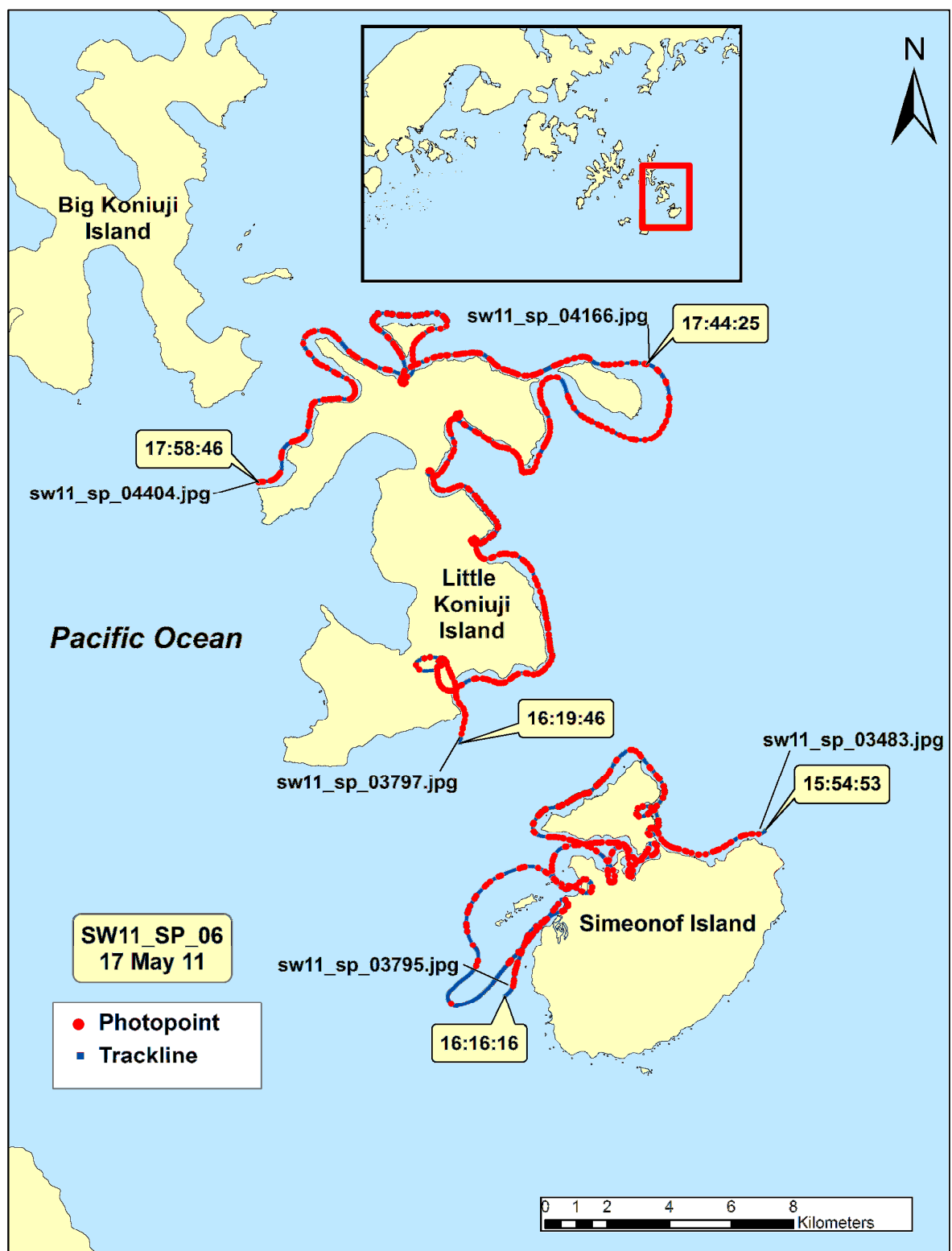
2011 Southwest Alaska Aerial Video Imaging Survey Team Sand Point (SP)

Tape: SW11_SP_05

Date: 17 May 2011

General Location:	Bird Is, Chernabura Is, Simeonof Is	
Time Start (UTC):	14:49:37	Geo: Harper
Fuel Break:	none	Bio: Morris
Time End (UTC):	15:53:19	Nav: Daley
Tape Length:	57 min 42 sec	Pilot: Walters
Weather:	Overcast, calm	

Time (UTC)	Location	Photo
14:49:37	The Twins	sw11_sp_02802.jpg
15:00:50	Bird Island	sw11_sp_02831.jpg
15:25:29	Chernabura Island	sw11_sp_03199.jpg
15:43:49	East Simeonof Island	sw11_sp_03377.jpg
15:53:19	West Simeonof Island	sw11_sp_03481.jpg



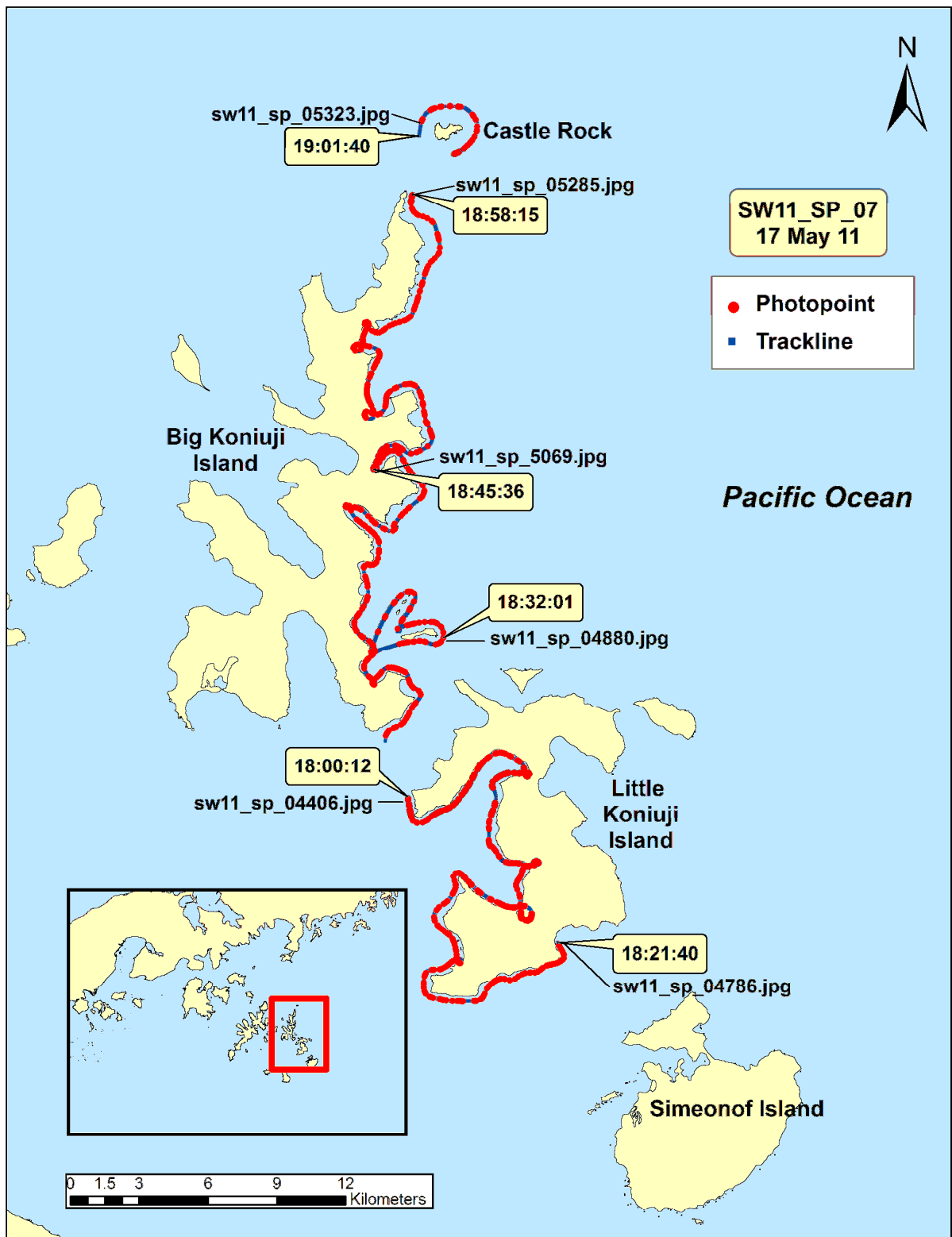
2011 Southwest Alaska Aerial Video Imaging Survey **Team Sand Point (SP)**

Tape: SW11_SP_06

Date: 17 May 2011

General Location:	Simeonof Is, Atkins Is, Little Koniuji Is	
Time Start (UTC):	15:54:53	Geo: Harper
Fuel Break:	16:34:26 to 17:37:23	Bio: Morris
Time End (UTC):	17:58:46	Nav: Daley
Tape Length:	39 min 33 sec	Pilot: Walters
Weather:	Overcast, calm	

Time (UTC)	Location	Photo
15:54:53	West Simeonof Island	sw11_sp_03483.jpg
16:16:16	East Simeonof Island	sw11_sp_03795.jpg
16:19:46	South Little Koniuji Island	sw11_sp_03797.jpg
16:34:26	Fuel break, Nagai Island	
17:44:25	Atkins Island	sw11_sp_04166.jpg
17:58:46	NE Little Koniuji Island	sw11_sp_04404.jpg



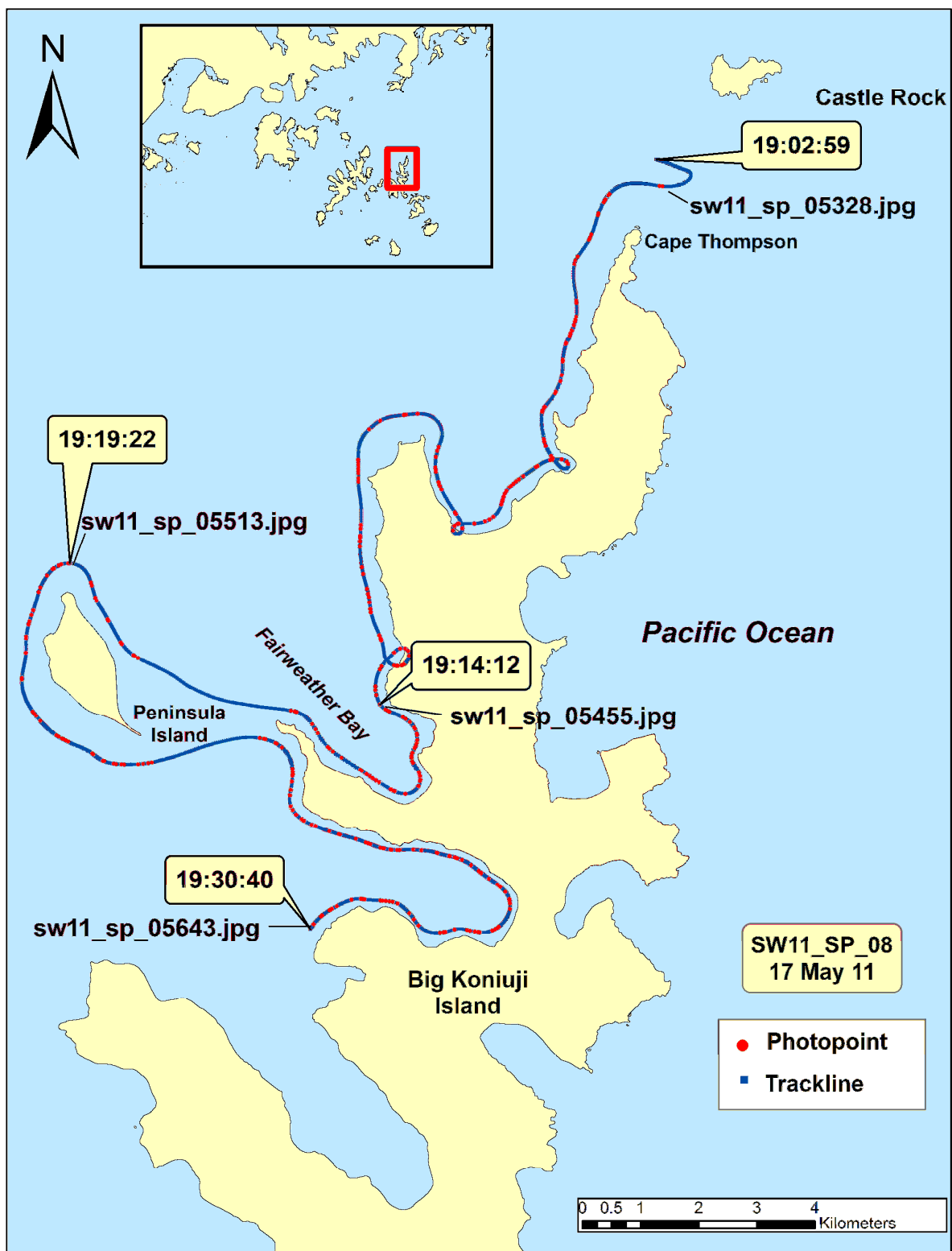
2011 Southwest Alaska Aerial Video Imaging Survey Team Sand Point (SP)

Tape: SW11_SP_07

Date: 17 May 2011

General Location:	Little Koniuji Is & Big Koniuji Is	
Time Start (UTC):	18:00:12	Geo: Daley
Fuel Break:	none	Bio: Morris
Time End (UTC):	19:01:40	Nav: Harper
Tape Length:	57 min 01 sec	Pilot: Walters
Weather:	Overcast, calm	

Time (UTC)	Location	Photo
18:00:12	South Little Koniuji Island	sw11_sp_04406.jpg
18:21:40	East Little Koniuji Island	sw11_sp_04786.jpg
18:21:40	Transit 18:21:40 to 18:26:09	
18:32:01	Hall Island	sw11_sp_04880.jpg
18:45:36	Flying Eagle Harbor	sw11_sp_05069.jpg
18:58:15	North Big Koniuji Island	sw11_sp_05285.jpg
19:01:40	Castle Rock	sw11_sp_05323.jpg



**2011 Southwest Alaska Aerial Video Imaging Survey
Team Sand Point (SP)**

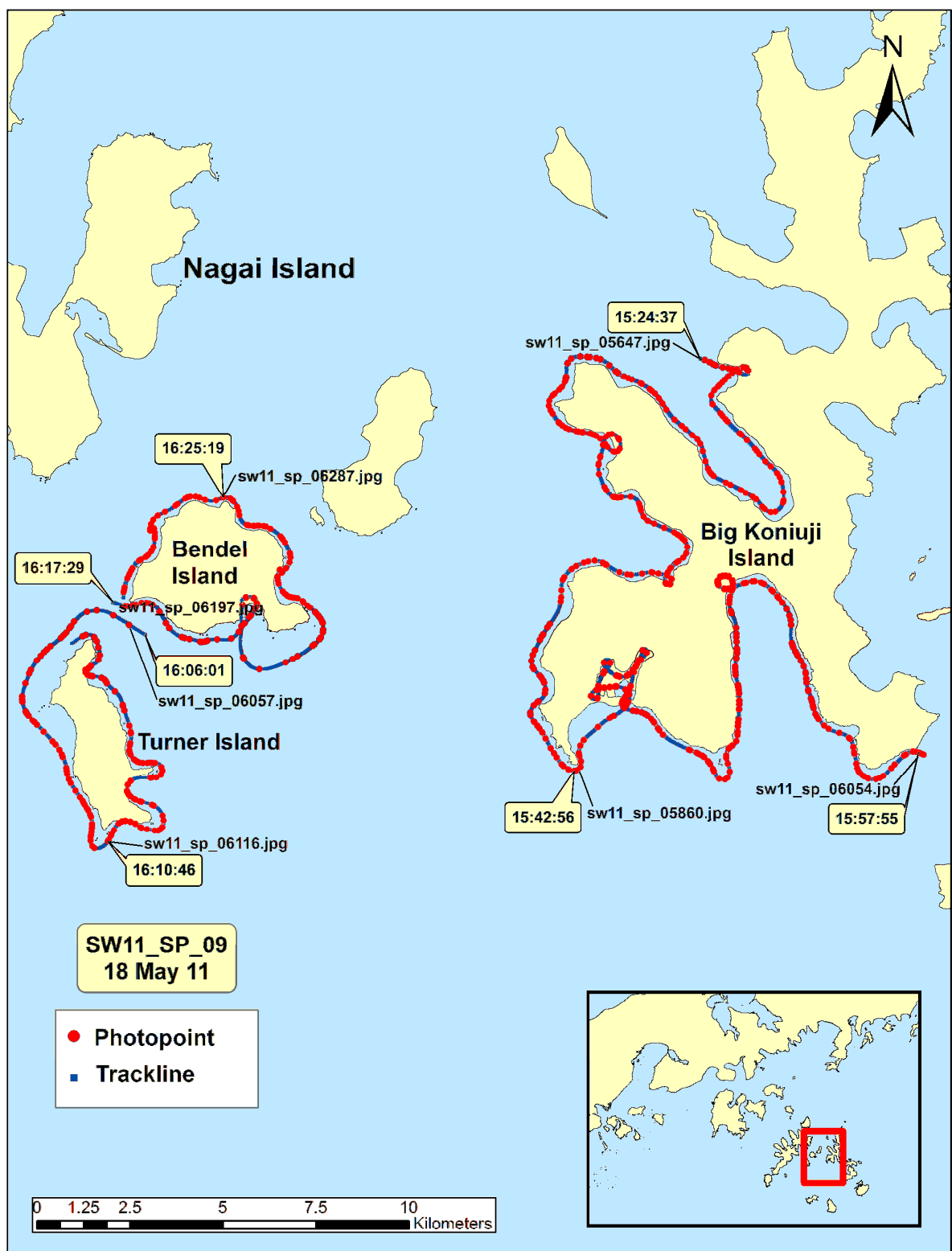
Tape: SW11_SP_08

Date: 17 May 2011

General Location: Big Koniuji Island
Time Start (UTC): 19:02:59
Fuel Break: none
Time End (UTC): 19:30:40
Tape Length: 27 min 41 sec
Weather: Overcast, calm

Geo: Daley
Bio: Morris
Nav: Harper
Pilot: Walters

Time (UTC)	Location	Photo
19:02:59	Cape Thompson, Big Koniuji Island	sw11_sp_05328.jpg
19:14:12	Fairweather Bay, Big Koniuji Island	sw11_sp_05455.jpg
19:19:22	Peninsula Island	sw11_sp_05513.jpg
19:30:40	East Big Koniuji Island	sw11_sp_05643.jpg



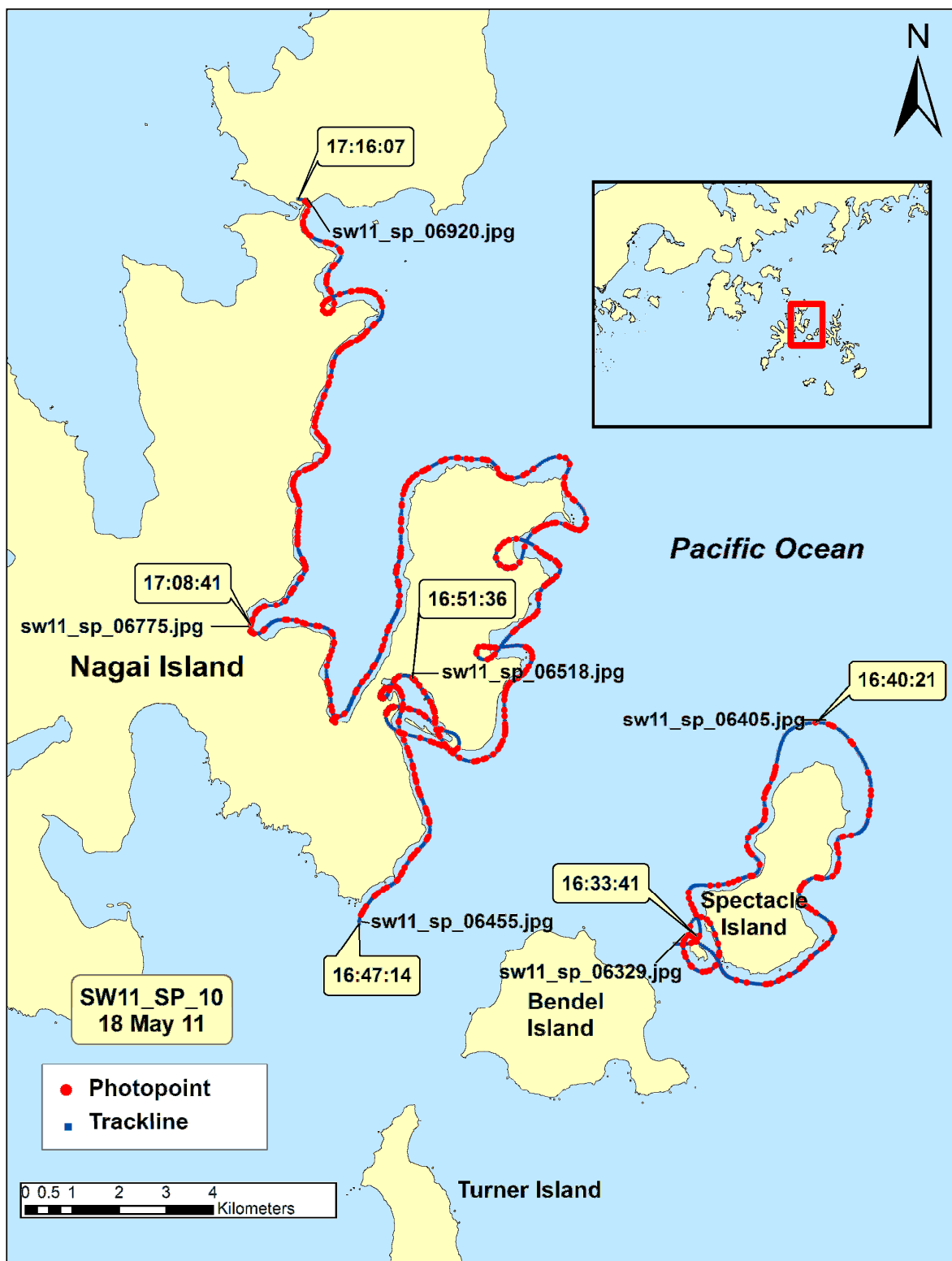
2011 Southwest Alaska Aerial Video Imaging Survey Team Sand Point (SP)

Tape: SW11_SP_09

Date: 18 May 2011

General Location:	Big Koniuji, Bendel & Turner Islands	
Time Start (UTC):	15:24:37	Geo: Harper
Fuel Break:	none	Bio: Morris
Time End (UTC):	16:27:32	Nav: Daley
Tape Length:	49 min 50 sec	Pilot: Walters
Weather:	Overcast, calm	

Time (UTC)	Location	Photo
15:24:37	East Big Koniuji Island	sw11_sp_05647.jpg
15:42:56	SE Big Koniuji Island	sw11_sp_05860.jpg
15:57:55	SW Big Koniuji Island	sw11_sp_06054.jpg
15:57:55	Transit 15:57:55 to 16:06:01	
16:06:01	North Turner Island	sw11_sp_06057.jpg
16:10:46	South Turner Island	sw11_sp_06116.jpg
16:17:29	East Bendel Island	sw11_sp_06197.jpg
16:25:19	North Bendel Island	sw11_sp_06287.jpg



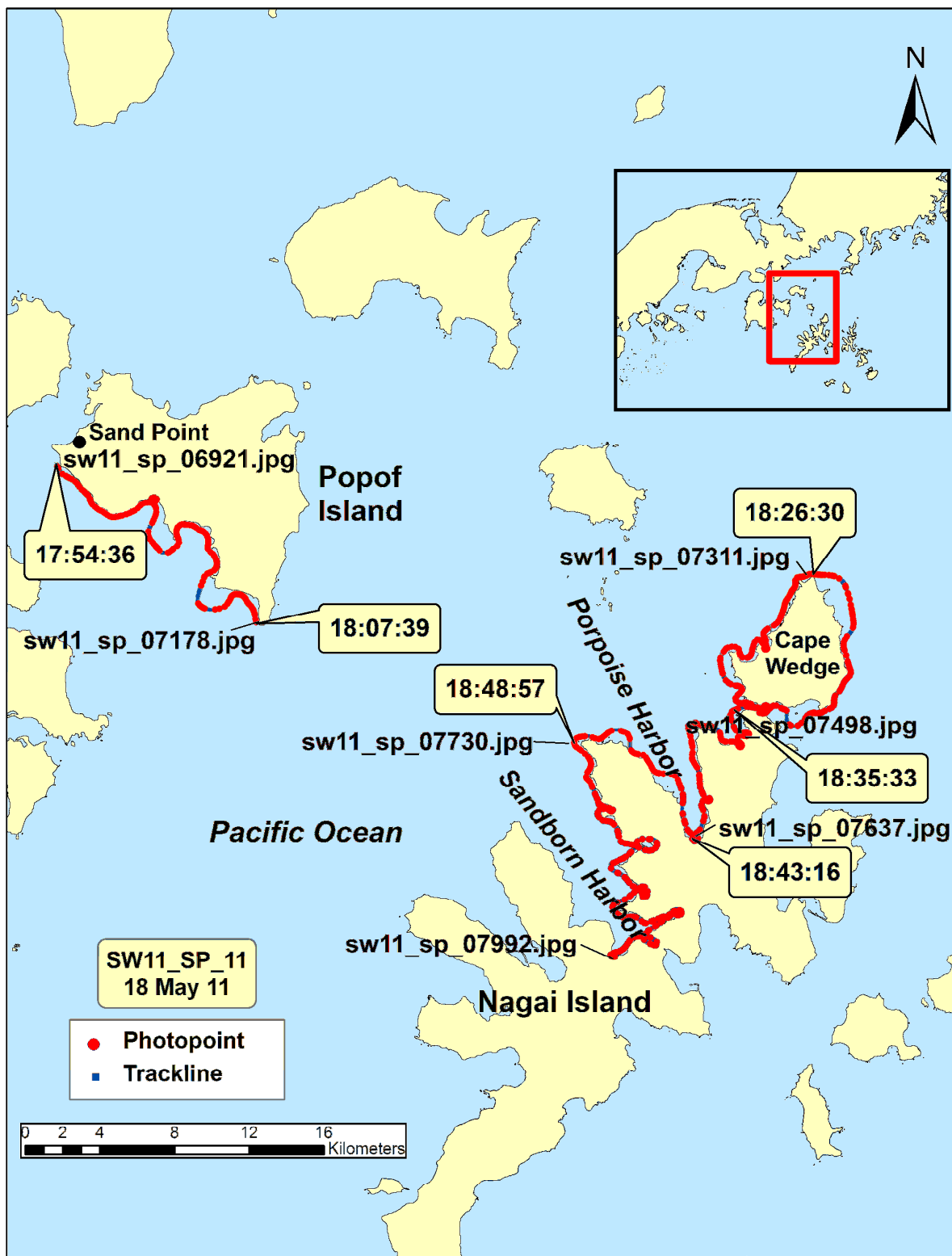
2011 Southwest Alaska Aerial Video Imaging Survey Team Sand Point (SP)

Tape: SW11_SP_10

Date: 18 May 2011

General Location:	Spectacle Island and Nagai Island	
Time Start (UTC):	16:33:41	Geo: Harper
Fuel Break:	none	Bio: Morris
Time End (UTC):	17:16:07	Nav: Daley
Tape Length:	42 min 26 sec	Pilot: Walters
Weather:	Overcast, calm	

Time (UTC)	Location	Photo
16:33:41	South Spectacle Island	sw11_sp_06329.jpg
16:40:21	North Spectacle Island	sw11_sp_06405.jpg
16:44:08	Transit 16:44:08 to 16:47:14	
16:47:14	West Nagai Island	sw11_sp_06455.jpg
16:51:36	Mist Harbor, Nagai Island	sw11_sp_06518.jpg
17:08:41	Head of Northeast Bight	sw11_sp_06775.jpg
17:16:07	Pirate Shake. Nagai Island	sw11_sp_06920.jpg



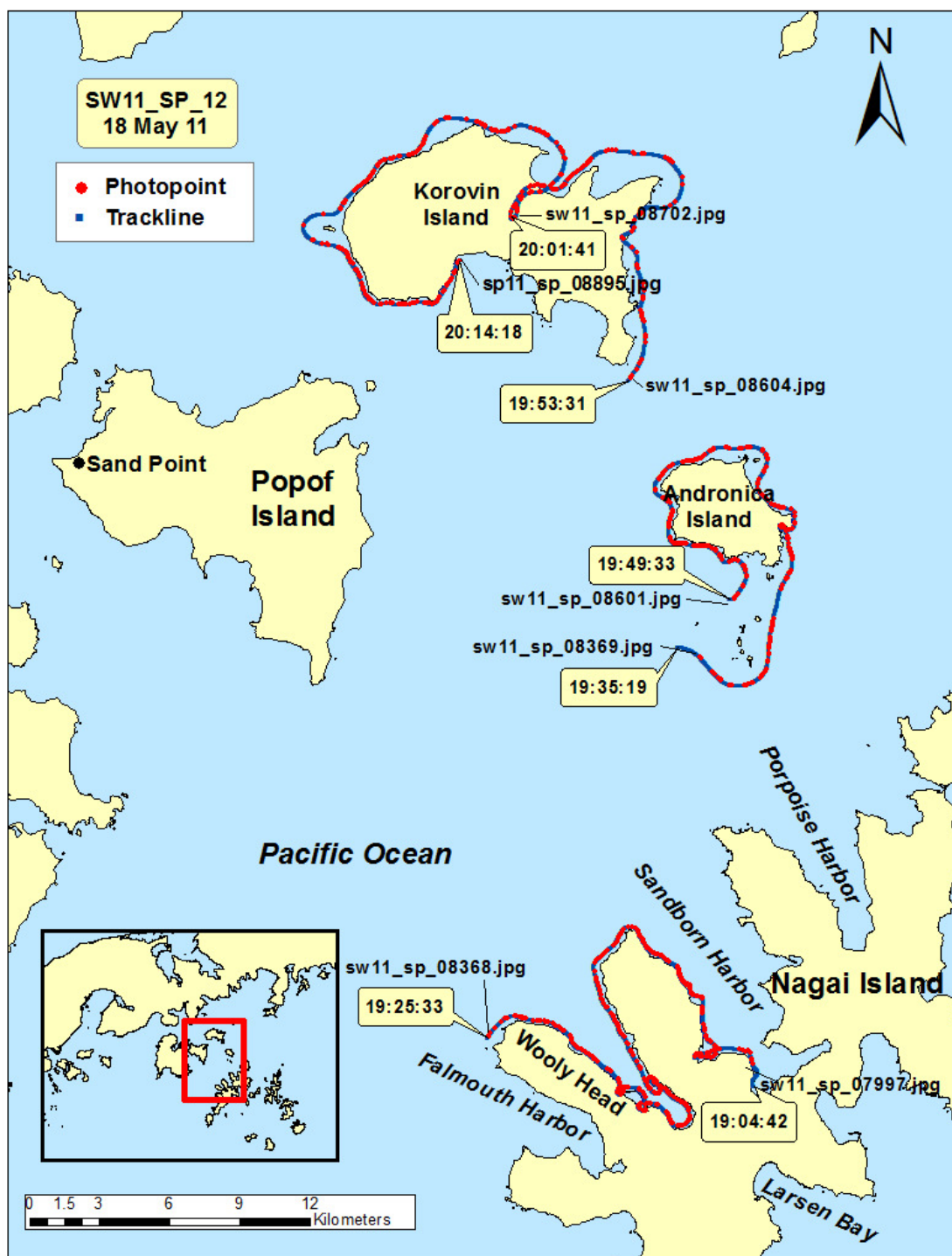
2011 Southwest Alaska Aerial Video Imaging Survey Team Sand Point (SP)

Tape: SW11_SP_11

Date: 18 May 2011

General Location:	East Popof Island, North Nagai Island	
Time Start (UTC):	17:54:36	Geo: Daley
Fuel Break:	none	Bio: Morris
Time End (UTC):	19:03:30	Nav: Harper
Tape Length:	57 min 30 sec	Pilot: Walters
Weather:	Overcast, calm	

Time (UTC)	Location	Photo
17:54:36	Sand Point, E Popof Island	sw11_sp_06921.jpg
18:07:39	Popof Head, South Popof Island	sw11_sp_07178.jpg
18:07:39	Transit 18:07:39 to 18:19:03	
18:19:03	NW Nagai Island	sw11_sp_07189.jpg
18:26:30	Cape Wedge, N Nagai Island	sw11_sp_07311.jpg
18:35:33	NE Nagai Island	sw11_sp_07498.jpg
18:43:16	Head of Porpoise Harbor, Nagai Island	sw11_sp_07637.jpg
18:48:57	East Head, Nagai Island	sw11_sp_07730.jpg
19:03:30	Head of Sandborn Harbor, Nagai Island	sw11_sp_07992.jpg



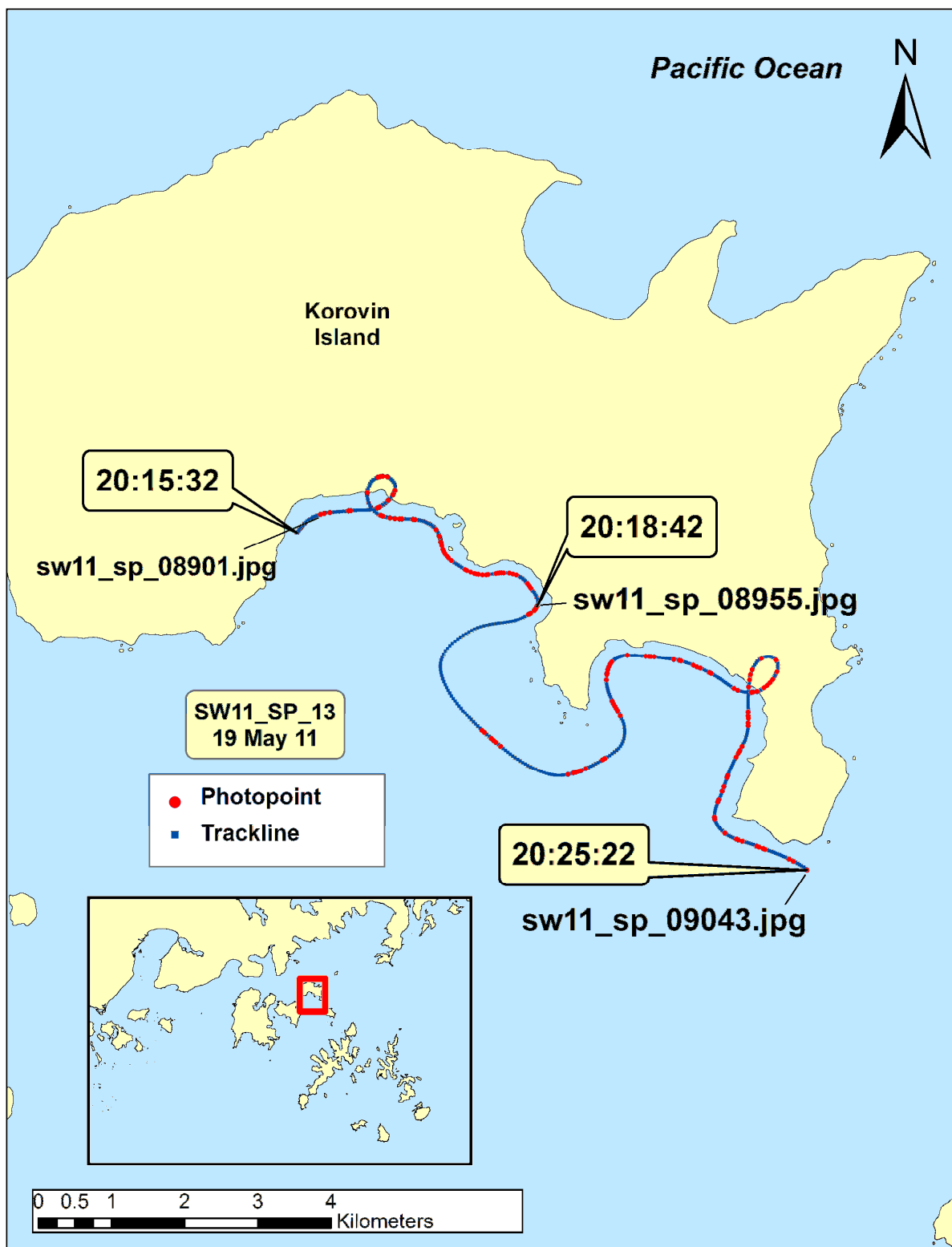
2011 Southwest Alaska Aerial Video Imaging Survey Team Sand Point (SP)

Tape: SW11_SP_12

Date: 18 May 2011

General Location:	E Nagai, Andronica, Korovin Islands	
Time Start (UTC):	19:04:42	Geo: Daley
Fuel Break:	none	Bio: Morris
Time End (UTC):	20:14:18	Nav: Harper
Tape Length:	59 min 36 sec	Pilot: Walters
Weather:	Overcast, calm	

Time (UTC)	Location	Photo
19:04:42	Head of Sandborn Harbor, Nagai Island	sw11_sp_07997.jpg
19:25:33	Wooly Head, Nagai Island	sw11_sp_08368.jpg
19:25:33	Transit 19:25:33 to 19:35:19	
19:35:19	The Haystacks	sw11_sp_08369.jpg
19:49:33	South Andronica Island	sw11_sp_08601.jpg
19:53:31	SW Korovin Island	sw11_sp_08604.jpg
20:01:41	Grosvold Bay, Korovin Island	sw11_sp_08702.jpg
20:14:18	Korovin Bay, Korovin Island	sw11_sp_08895.jpg



**2011 Southwest Alaska Aerial Video Imaging Survey
Team Sand Point (SP)**

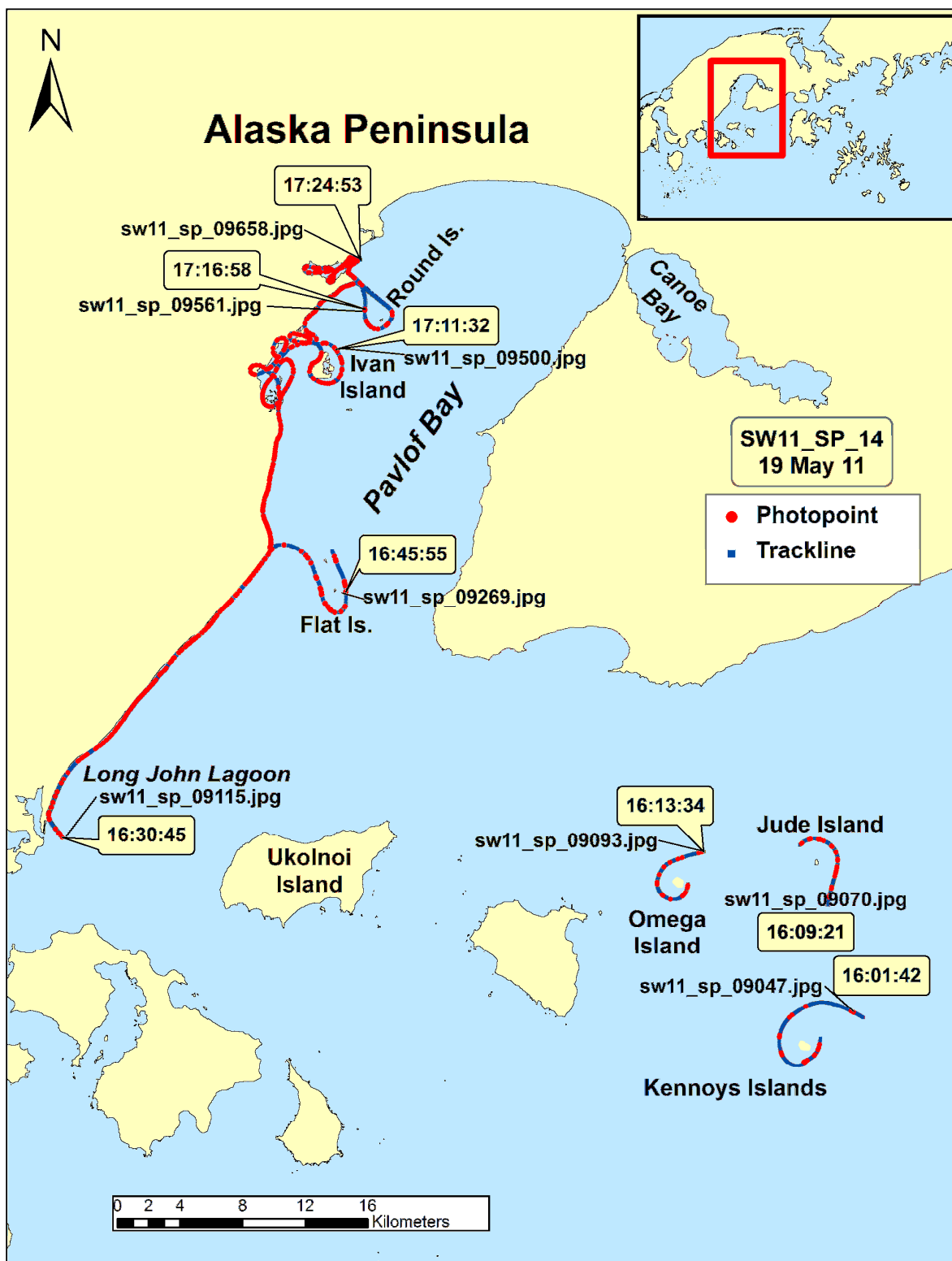
Tape: SW11_SP_13

Date: 18 May 2011

General Location: Korovin Bay
Time Start (UTC): 20:15:32
Fuel Break: none
Time End (UTC): 20:25:22
Tape Length: 9 min 50 sec
Weather: Overcast, calm

Geo: Daley
Bio: Morris
Nav: Harper
Pilot: Walters

Time (UTC)	Location	Photo
20:15:32	NE Korovin Bay	sw11_sp_08901.jpg
20:18:42	NW Korovin Bay	sw11_sp_08955.jpg
20:25:22	Cape Devine, Korovin Bay	sw11_sp_09043.jpg



2011 Southwest Alaska Aerial Video Imaging Survey Team Sand Point (SP)

Tape: SW11_SP_14

Date: 19 May 2011

General Location:	Jude, Omega, Kennoys Islands; Pavlof Bay	
Time Start (UTC):	16:01:42	Geo: Harper
Fuel Break:	none	Bio: Morris
Time End (UTC):	17:24:53	Nav: Daley
Tape Length:	54 min 25 sec	Pilot: Walters
Weather:	Clear, calm	

Time (UTC)	Location	Photo
16:01:42	Kennoys Islands	sw11_sp_09047.jpg
16:05:50	Transit 16:05:50 to 16:09:20	
16:09:20	Jude Island	sw11_sp_09070.jpg
16:11:38	Transit 16:11:38 to 16:13:34	
16:13:34	Omega Island	sw11_sp_09093.jpg
16:16:03	Transit 16:16:03 to 16:30:45	
16:30:45	Long John Lagoon	sw11_sp_09115.jpg
16:45:55	Flat Island, Pavlof Bay	sw11_sp_09269.jpg
16:46:59	Tape Break 16:46:59 to 16:56:31	
17:11:32	Ivan Island, Pavlof Bay	sw11_sp_09500.jpg
17:16:58	Round Island, Pavlof Bay	sw11_sp_09561.jpg
17:24:53	NE Pavlof Bay	sw11_sp_09658.jpg



2011 Southwest Alaska Aerial Video Imaging Survey Team Sand Point (SP)

Tape: SW11_SP_15

Date: 19 May 2011

General Location: Pavlof Bay, Coal Bay

Time Start (UTC): 17:25:56

Geo: Harper

Fuel Break: none

Bio: Morris

Time End (UTC): 18:09:38

Nav: Daley

Tape Length: 43 min 42 sec

Pilot: Walters

Weather: Clear, calm

Time (UTC)	Location	Photo
17:25:56	NE Pavlof Bay	sw11_sp_09664.jpg
17:36:25	NW Pavlof Bay	sw11_sp_09795.jpg
17:44:49	Settlement Point, Pavlof Bay	sw11_sp_09904.jpg
17:55:26	Entrance to Coal Bay	sw11_sp_10075.jpg
18:03:25	Seal Cape	sw11_sp_10183.jpg
18:09:38	West of Seal Cape	sw11_sp_10279.jpg



2011 Southwest Alaska Aerial Video Imaging Survey Team Sand Point (SP)

Tape: SW11_SP_16

Date: 19 May 2011

General Location:	Beaver Bay, Cape Aliaksin	Geo: Daley
Time Start (UTC):	18:59:08	Bio: Morris
Fuel Break:	none	Nav: Harper
Time End (UTC):	20:10:02	Pilot: Walters
Tape Length:	59 min 04 sec	
Weather:	Clear, calm	

Time (UTC)	Location	Photo
18:59:08	West of Seal Cape	sw11_sp_10285.jpg
19:13:24	East Entrance to Beaver Bay	sw11_sp_10411.jpg
19:19:17	Head of Beaver Bay	sw11_sp_10473.jpg
19:19:17	Transit to Canoe Bay 19:19:17 to 19:25:10	
19:40:21	Entrance to Canoe Bay	sw11_sp_10692.jpg
19:51:42	Head of Canoe Bay	sw11_sp_10841.jpg
19:52:42	Transit to Beaver Bay 19:52:42 to 19:58:39	
20:10:02	Cape Aliaksin	sw11_sp_10990.jpg



2011 Southwest Alaska Aerial Video Imaging Survey **Team Sand Point (SP)**

Tape: SW11_SP_17

Date: 19 May 2011

General Location: Cape Aliaksin, Balboa Bay

Time Start (UTC): 20:11:14

Geo: Daley

Fuel Break: none

Bio: Morris

Time End (UTC): 21:02:35

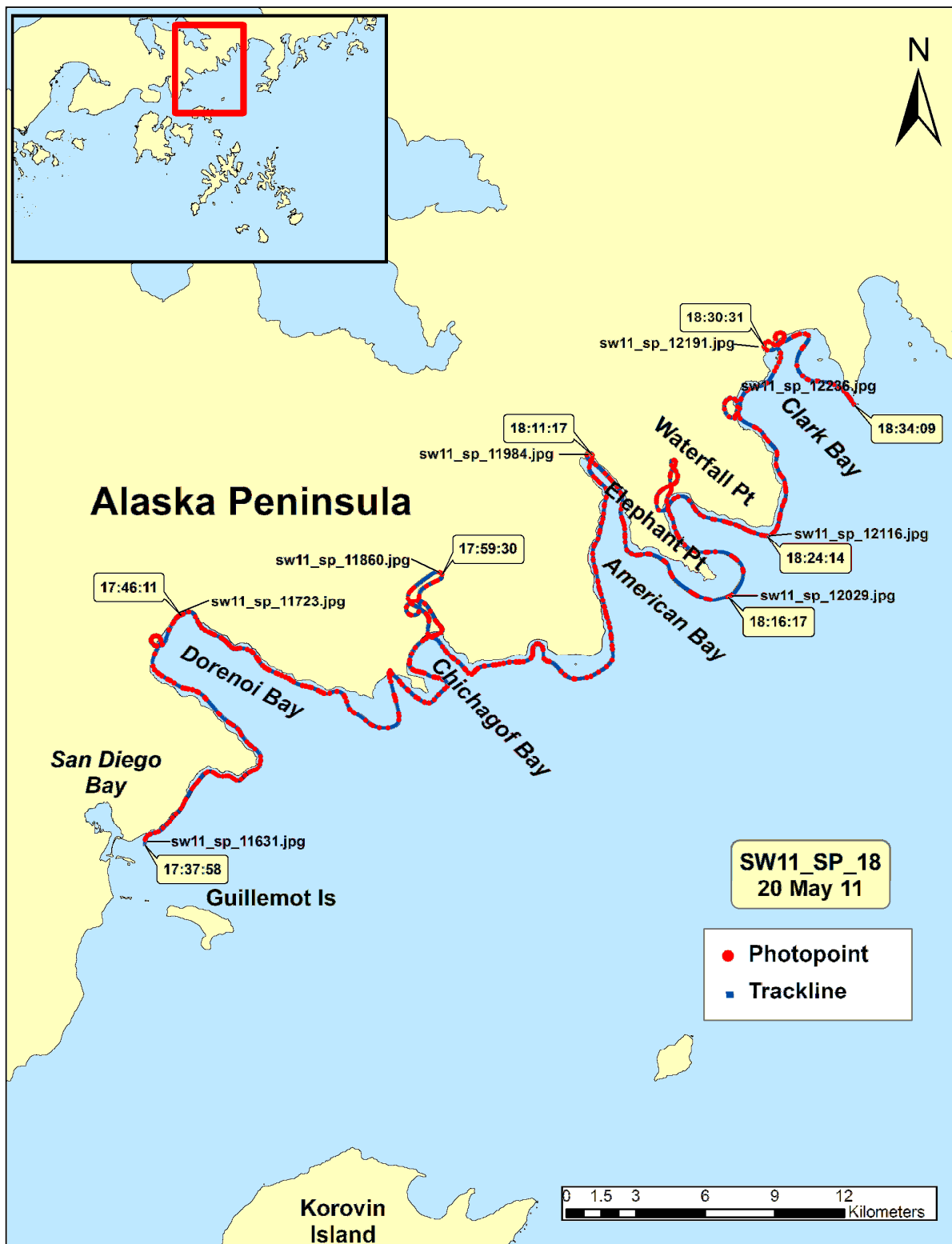
Nav: Harper

Tape Length: 51 min 21 sec

Pilot: Walters

Weather: Clear, calm

Time (UTC)	Location	Photo
20:11:14	Cape Aliaksin	sw11_sp_10996.jpg
20:20:00	Head of Lefthand Bay	sw11_sp_11095.jpg
20:33:06	Head of Balboa Bay	sw11_sp_11250.jpg
20:42:40	Swedania Point	sw11_sp_11370.jpg
20:52:22	Guillemot Island	sw11_sp_11480.jpg
21:02:35	San Diego Bay	sw11_sp_11603.jpg



2011 Southwest Alaska Aerial Video Imaging Survey Team Sand Point (SP)

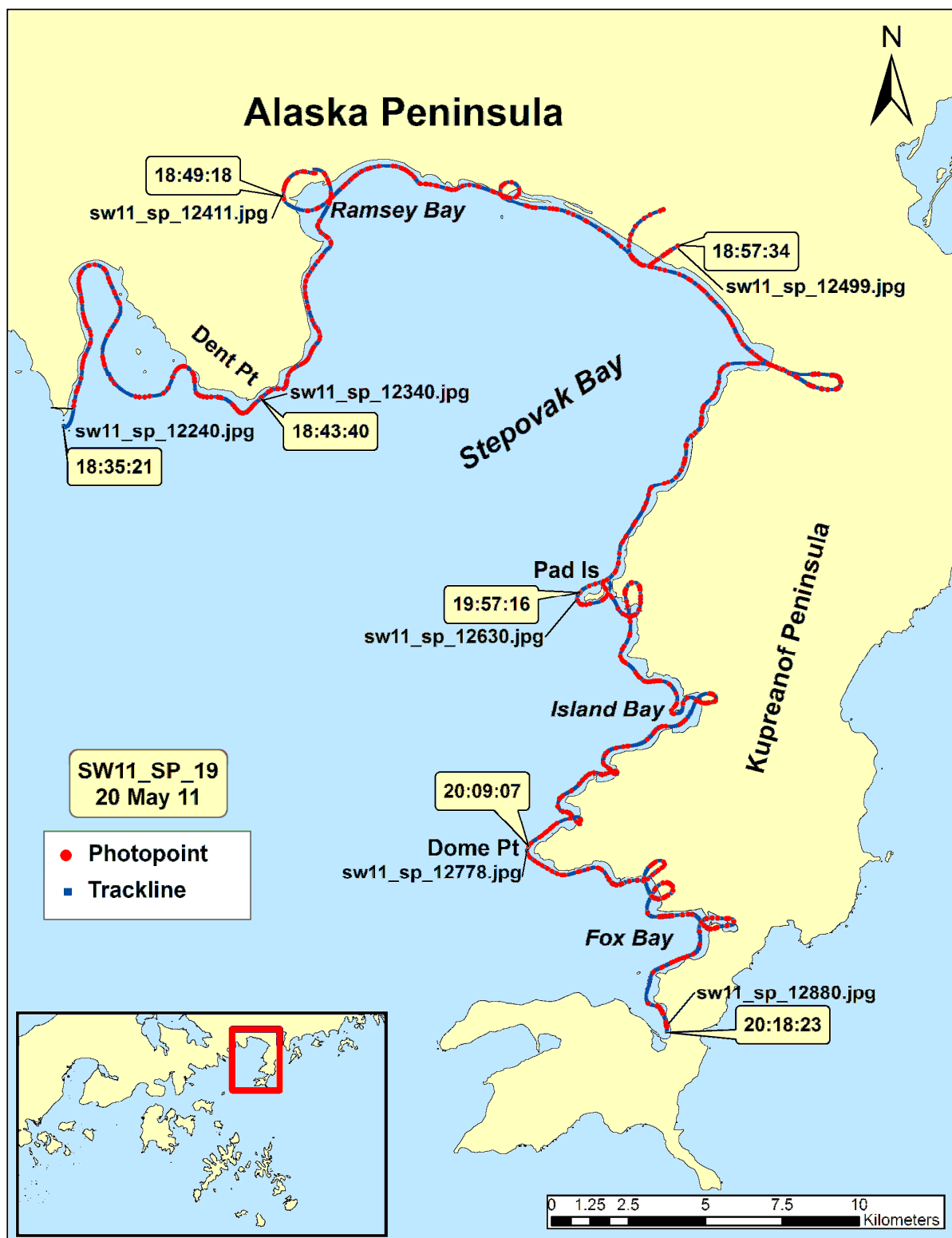
Tape: SW11_SP_18

Date: 20 May 2011

General Location:	Dorenoi Bay, American Bay, Clark Bay	
Time Start (UTC):	17:37:58	Geo: Harper
Fuel Break:	none	Bio: Morris
Time End (UTC):	18:34:09	Nav: Daley
Tape Length:	56 min 11 sec	Pilot: Walters
Weather:	Overcast, windy	

Time (UTC)	Location	Photo
17:37:58	San Diego Bay	sw11_sp_11631.jpg
17:46:11	Head of Dorenoi Bay	sw11_sp_11723.jpg
17:59:30	Head of Chichagof Bay	sw11_sp_11860.jpg
18:11:17	Head of American	sw11_sp_11984.jpg
18:16:17	Elephant Point	sw11_sp_12029.jpg
18:24:14	Waterfall Point	sw11_sp_12116.jpg
18:30:31	Head of Clark Bay	sw11_sp_12191.jpg
18:34:09	SW Entrance of Clark Bay	sw11_sp_12236.jpg

Note: Electronic shoreline has significant positional error



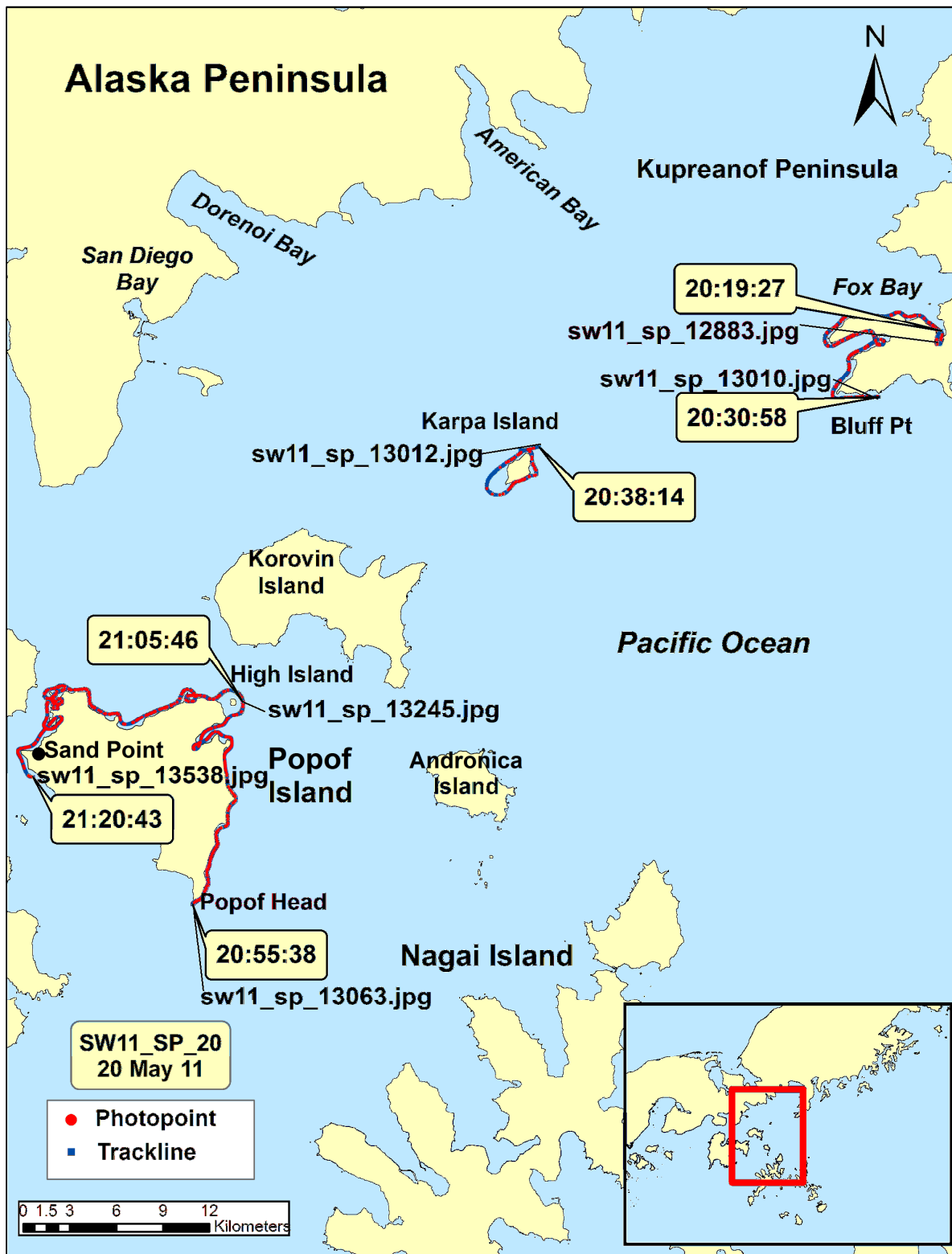
2011 Southwest Alaska Aerial Video Imaging Survey Team Sand Point (SP)

Tape: SW11_SP_19

Date: 20 May 2011

General Location:	Stepovak Bay, Kupreanof Peninsula	
Time Start (UTC):	18:35:21	Geo: Harper/Daley
Fuel Break:	18:57:34 to 19:46:14	Bio: Morris
Time End (UTC):	20:18:23	Nav: Harper/Daley
Tape Length:	56 min 48 sec	Pilot: Walters
Weather:	Overcast, windy	

Time (UTC)	Location	Photo
18:35:21	SW Entrance Clark Bay	sw11_sp_12240.jpg
18:43:40	Dent Point	sw11_sp_12340.jpg
18:49:18	Ramsey Bay	sw11_sp_12411.jpg
18:57:34	Head of Stepovak Bay	sw11_sp_12499.jpg
18:57:34	Fuel Break 18:57:34 to 19:46:14	
19:57:16	Pad Island	sw11_sp_12630.jpg
20:09:07	Dome Point	sw11_sp_12778.jpg
20:18:23	Fox Bay	sw11_sp_12880.jpg



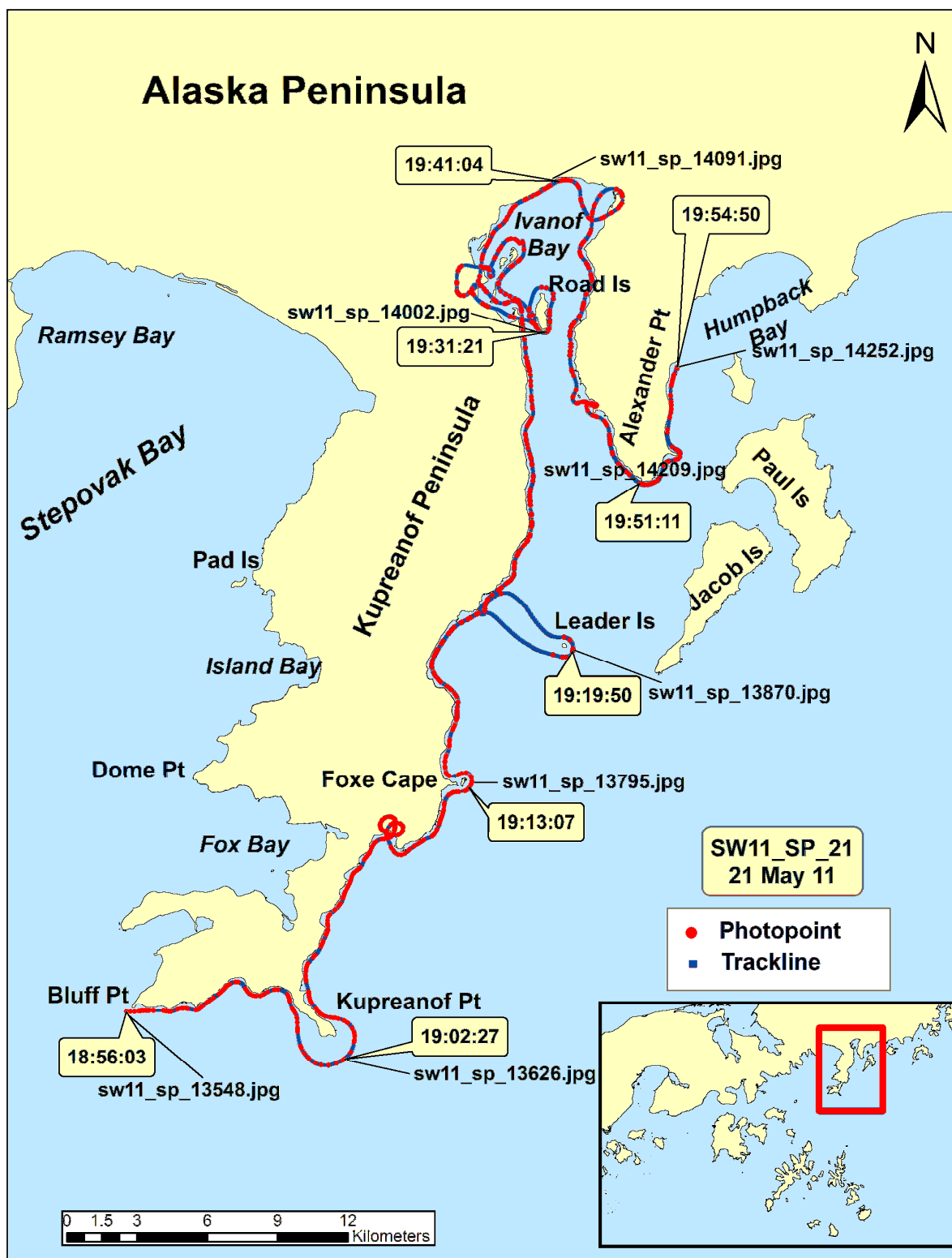
2011 Southwest Alaska Aerial Video Imaging Survey Team Sand Point (SP)

Tape: SW11_SP_20

Date: 20 May 2011

General Location:	Kupreanof Peninsula, Karpa Is, Popof Is	
Time Start (UTC):	20:19:27	Geo: Daley
Fuel Break:	none	Bio: Morris
Time End (UTC):	21:20:43	Nav: Harper
Tape Length:	39 min 59 sec	Pilot: Walters
Weather:	Overcast, windy	

Time (UTC)	Location	Photo
20:19:27	Fox Bay, Kupreanof Peninsula	sw11_sp_12883.jpg
20:30:58	Bluff Point, Kupreanof Peninsula	sw11_sp_13010.jpg
20:30:58	Transit 20:30:58 to 20:38:14	
20:38:14	Karpa Island	sw11_sp_13012.jpg
20:42:37	Transit 20:42:37 to 20:55:38	
20:55:38	Popof Head, Popof Island	sw11_sp_13063.jpg
21:05:46	High Island	sw11_sp_13245.jpg
21:20:43	Sand Point, Popof Island	sw11_sp_13538.jpg



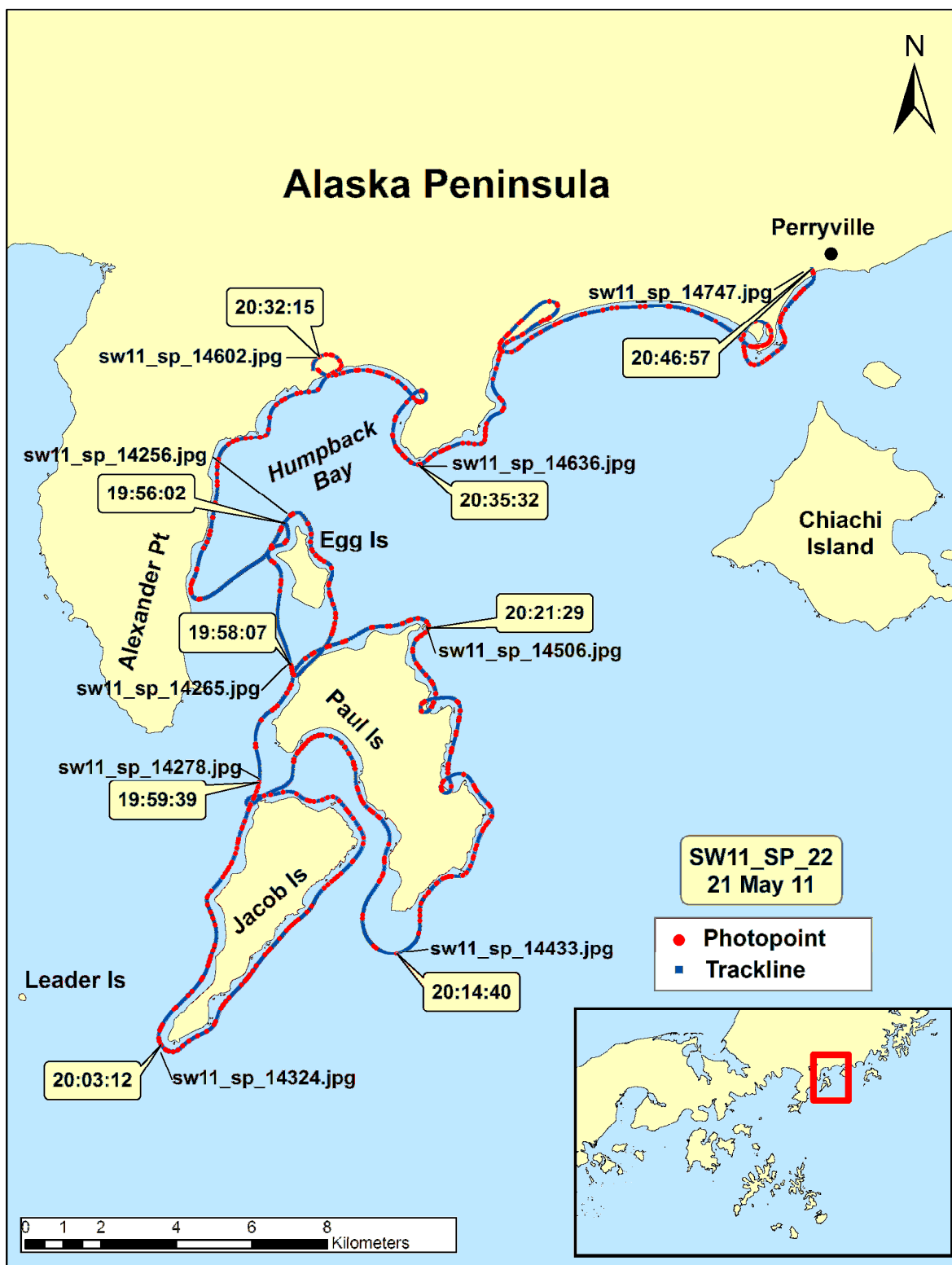
2011 Southwest Alaska Aerial Video Imaging Survey Team Sand Point (SP)

Tape: SW11_SP_21

Date: 21 May 2011

General Location:	Kupreanof Peninsula, Ivanof Bay	
Time Start (UTC):	18:56:03	Geo: Harper
Fuel Break:	none	Bio: Morris
Time End (UTC):	19:54:50	Nav: Daley
Tape Length:	58 min 47 sec	Pilot: Walters
Weather:	Overcast, windy	

Time (UTC)	Location	Photo
18:56:03	Bluff Point, Kupreanof Peninsula	sw11_sp_13548.jpg
19:02:27	Kupreanof Point, Kupreanof Peninsula	sw11_sp_13626.jpg
19:13:07	Foxe Cape, Kupreanof Peninsula	sw11_sp_13795.jpg
19:19:50	Leader Island	sw11_sp_13870.jpg
19:31:21	Road Island, Ivanof Bay	sw11_sp_14002.jpg
19:41:04	Head of Ivanof Bay	sw11_sp_14091.jpg
19:51:11	Alexander Point	sw11_sp_14209.jpg
19:54:50	Entrance to Humpback Bay	sw11_sp_14252.jpg



2011 Southwest Alaska Aerial Video Imaging Survey Team Sand Point (SP)

Tape: SW11_SP_22

Date: 21 May 2011

General Location: Egg Is, Paul Is, Jacob Is, Humpback Bay
Time Start (UTC): 19:56:02 **Geo:** Harper
Fuel Break: none **Bio:** Morris
Time End (UTC): 20:46:57 **Nav:** Daley
Tape Length: 50 min 59 sec **Pilot:** Walters
Weather: Overcast, windy

Time (UTC)	Location	Photo
19:56:02	Egg Island	sw11_sp_14256.jpg
19:58:07	NW Paul Island	sw11_sp_14265.jpg
19:59:39	NW Jacob Island	sw11_sp_14278.jpg
20:03:12	Noon Point, Jacob Island	sw11_sp_14324.jpg
20:14:40	South Paul Island	sw11_sp_14433.jpg
20:21:29	NW Paul Island	sw11_sp_14506.jpg
20:32:15	Head of Humpback Bay	sw11_sp_14602.jpg
20:35:32	Coal Point	sw11_sp_14636.jpg
20:46:57	Perryville	sw11_sp_14747.jpg



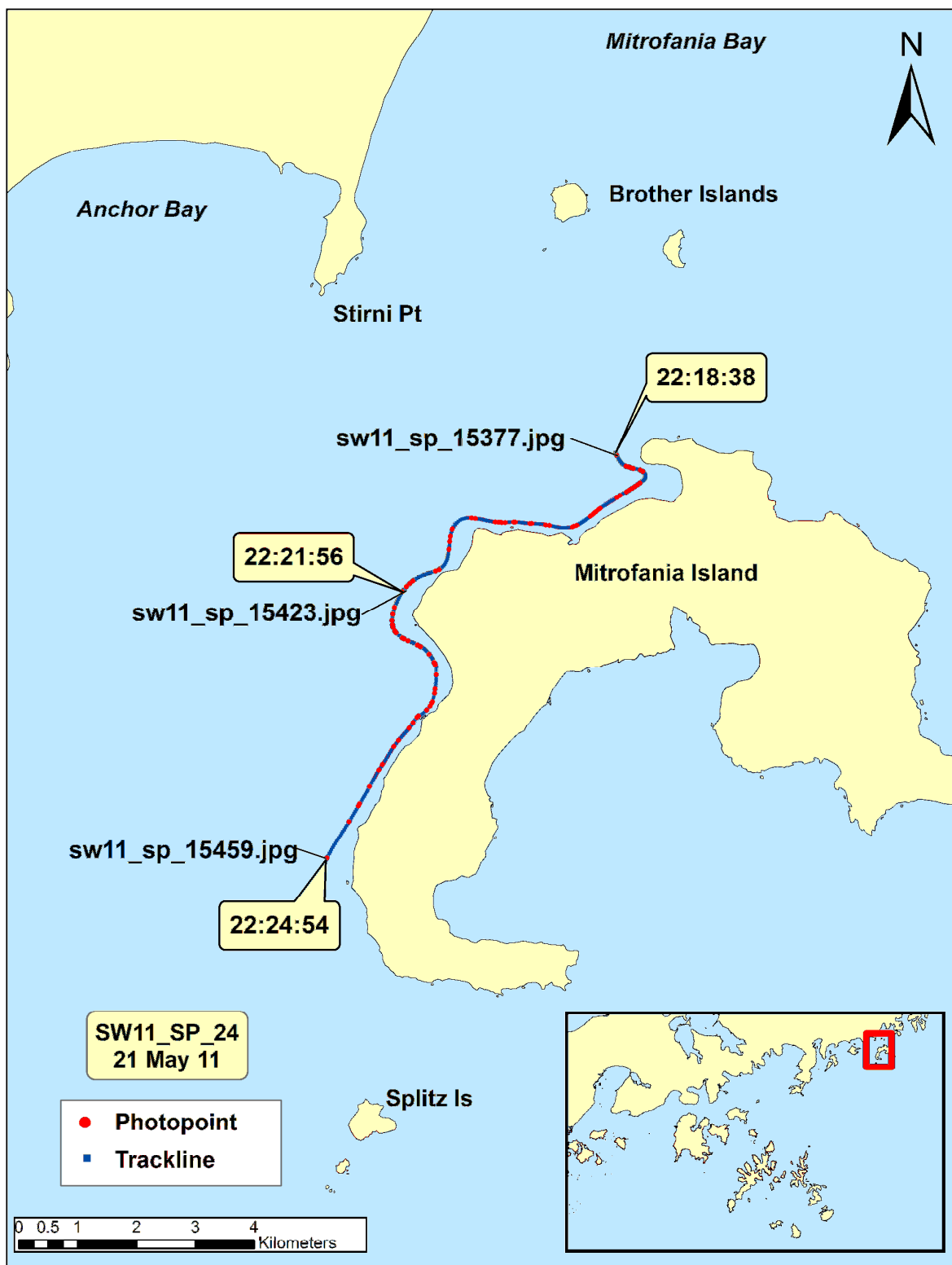
2011 Southwest Alaska Aerial Video Imaging Survey Team Sand Point (SP)

Tape: SW11_SP_23

Date: 21 May 2011

General Location:	Chiachi Is, Anchor Bay, Mitrofanina Bay	
Time Start (UTC):	21:13:59	Geo: Daley
Fuel Break:	none	Bio: Morris
Time End (UTC):	22:16:28	Nav: Harper
Tape Length:	53 min 47 sec	Pilot: Walters
Weather:	Overcast, windy	

Time (UTC)	Location	Photo
21:13:59	Shapka Island	sw11_sp_14748.jpg
21:18:37	North Chiachi Island	sw11_sp_14790.jpg
21:24:26	South Chiachi Island	sw11_sp_14868.jpg
21:32:06	Pinusuk Island	sw11_sp_14978.jpg
21:35:49	Transit 21:35:49 to 21:45:33	
21:45:33	Perryville	sw11_sp_15023.jpg
21:51:58	Cape Coal	sw11_sp_15100.jpg
21:54:26	NW Anchor Bay	sw11_sp_15133.jpg
21:58:48	Stirni Point	sw11_sp_15186.jpg
22:06:30	Head of Ivan Bay	sw11_sp_15280.jpg
22:14:19	Brother Islands	sw11_sp_15347.jpg
22:16:28	South of Brother Islands	sw11_sp_15375.jpg



**2011 Southwest Alaska Aerial Video Imaging Survey
Team Sand Point (SP)**

Tape: SW11_SP_24

Date: 21 May 2011

General Location: Mitrofanina Island

Time Start (UTC): 22:18:38

Fuel Break: none

Time End (UTC): 22:24:54

Tape Length: 6 min 16 sec

Weather: Overcast, windy

Geo: Daley

Bio: Morris

Nav: Harper

Pilot: Walters

Time (UTC)	Location	Photo
22:18:38	North Mitrofanina Island	sw11_sp_15377.jpg
22:21:56	West Mitrofanina Island	sw11_sp_15423.jpg
22:24:54	SW Mitrofanina Island	sw11_sp_15459.jpg

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Team Cold Bay Survey Data

Table 3. Flight Personnel and Responsibilities: Team Cold Bay (CB)

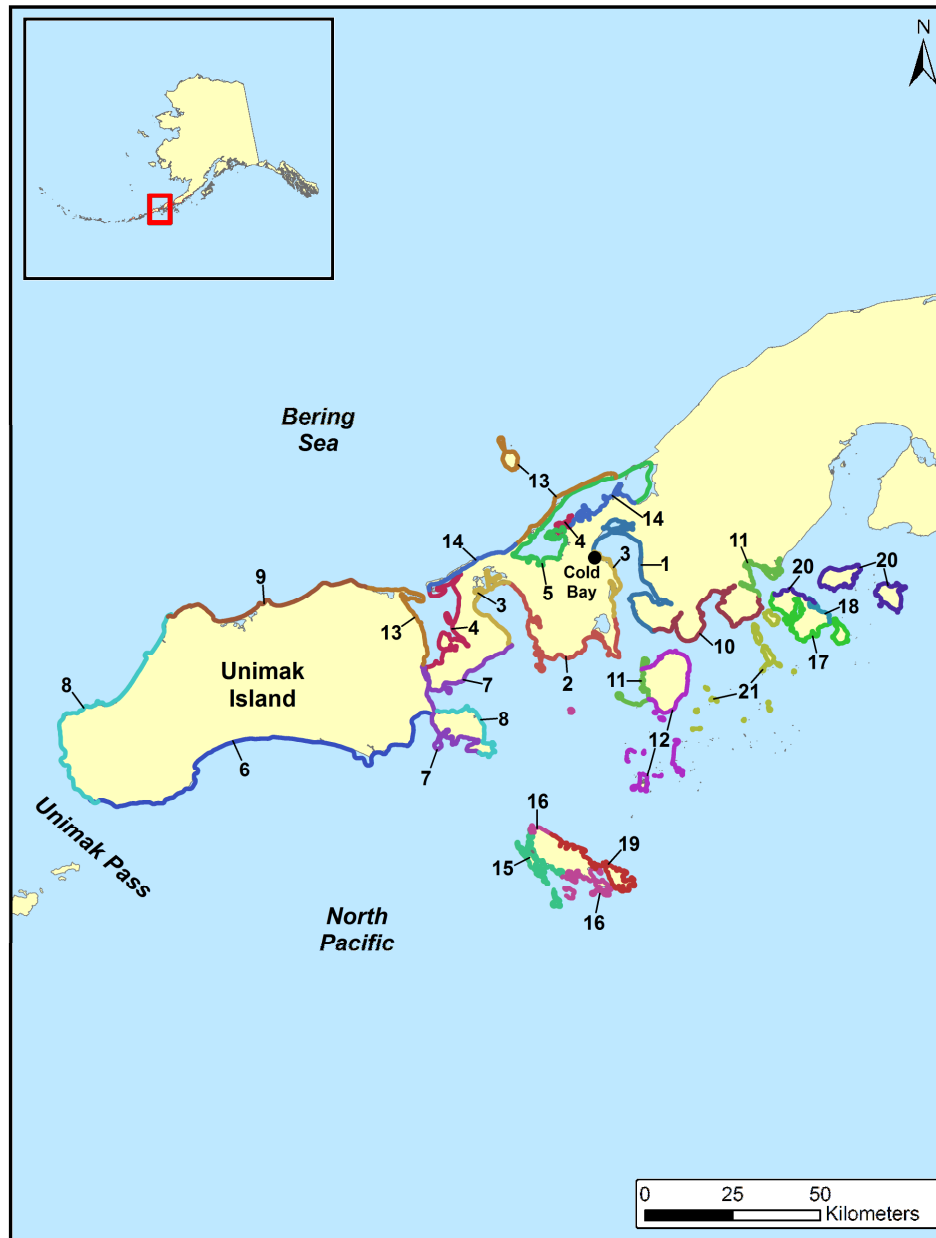
Crew Member	Individual / Affiliation	Responsibilities
<i>Geomorphologist</i>	Carl Schoch Coastwise Consulting, Homer, AK	videography, geomorphic commentary, post-flight data processing
<i>Coastal Ecologist</i>	Mandy Lindeburg NOAA, Juneau, AK	digital photography, biologic commentary
<i>Navigators</i>	Kalen Morrow CORI, Victoria, BC	survey coordination, in-flight navigation, post-flight data processing, project reporting
<i>Pilot</i>	Sam Egli Egli Air Haul King Salmon, Alaska	

Table 4. Survey Tapes for Team Cold Bay (CB).

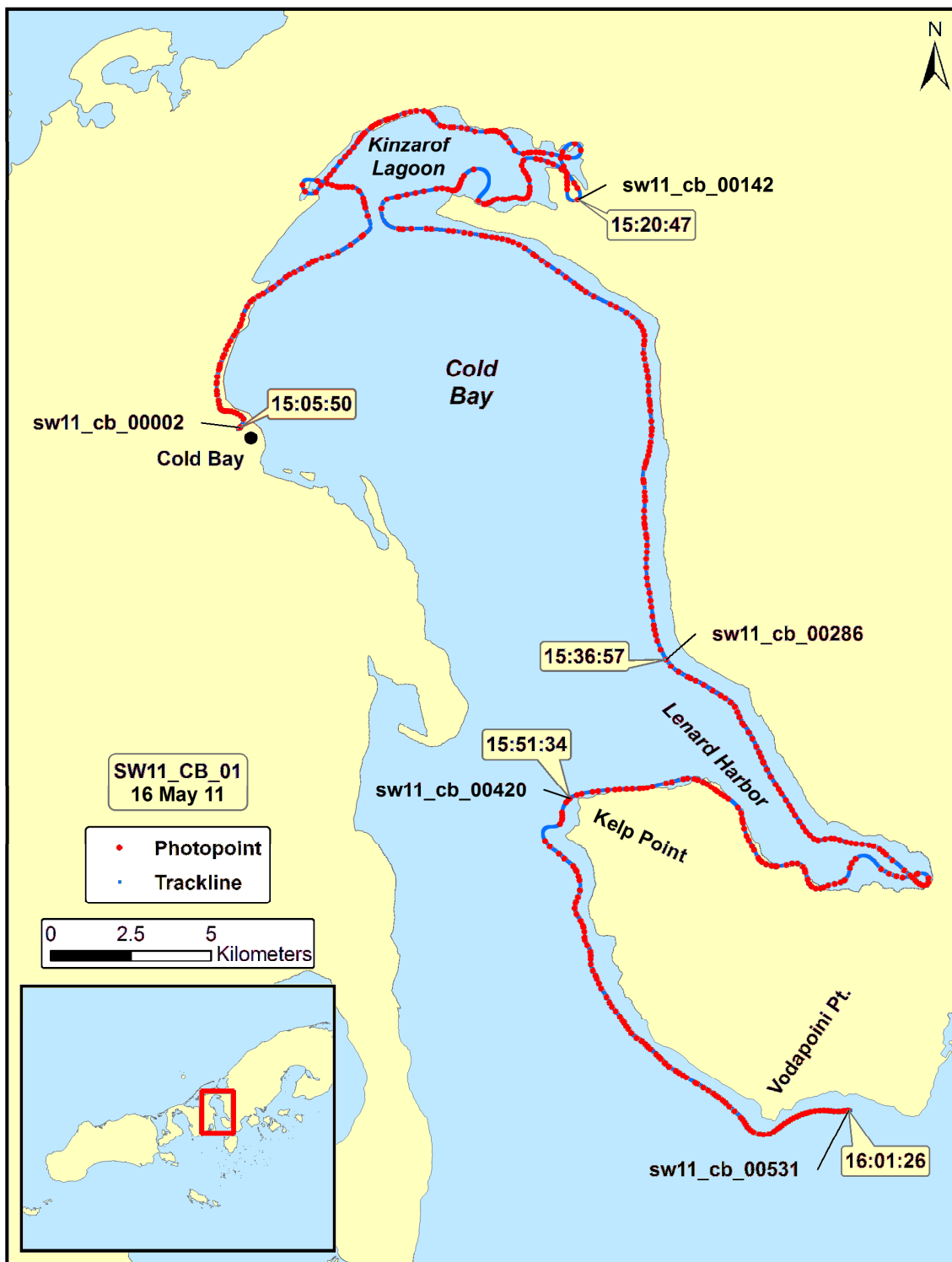
Tape Number	Location
SW11_CB_01	Cold Bay
SW11_CB_02	Morzhovoi Bay, Cold Bay
SW11_CB_03	Cold Bay, Morzhovoi Bay
SW11_CB_04	Bechevin Bay, Izembek Lagoon
SW11_CB_05	Izembek Lagoon, Moffet Lagoon
SW11_CB_06	Unimak Island
SW11_CB_07	Ikatan Bay, Ikatan Peninsula, False Pass
SW11_CB_08	Ikatan Peninsula, Unimak Pass
SW11_CB_09	Unimak Island
SW11_CB_10	King Cove, Belkofski Bay
SW11_CB_11	Volcano Bay, Deer Island
SW11_CB_12	Sandman Reefs, Deer Island
SW11_CB_13	Bechevin Bay, Amak Island, Outer Kodiakof Islands
SW11_CB_14	Cape Krenitzin, Moffet Lagoon, Izembek Lagoon
SW11_CB_15	Sanak Island
SW11_CB_16	Sanak Island, Umga Island
SW11_CB_17	Dolgoi Island, Poperechnoi Island
SW11_CB_18	Dolgoi Island
SW11_CB_19	Caton Island, Sanak Island
SW11_CB_20	Ukolnoi Island, Wosnesenski Island, Dolgoi Island
SW11_CB_21	Goloi Island, Iliasik Islands, Sandman Reefs

**ShoreZone Aerial Video Imaging (AVI) Survey
Southwest Alaska
May 16-20, 2011**

Team Cold Bay (CB)
Survey Maps and Tape Logs
DVDs: SW11_CB_01 to SW11_CB_21



Flight trackline map showing the location and extent of specific videotapes (DVDs) for the May 16-20, 2011 **Team Cold Bay** survey in Southwest Alaska



2011 Southwest Alaska Aerial Video Imaging Survey Team Cold Bay (CB)

Tape: SW11_CB_01

Date 16 May 2011

General Location:	Cold Bay, Kinzarof Lagoon, Lenard Harbor	
Time Start (UTC):	15:05:47	Geo: Schoch
Fuel Break:	None	Bio: Lindeberg
Time End (UTC):	16:01:28	Nav: Morrow
Tape Length:	55 min 41 sec	Pilot: Egli
Weather:	Cloudy, high overcast, light winds	

Time (UTC)	Location	Photo
15:05:50	City of Cold Bay	sw11_cb_00002
15:20:47	Kinzarof Lagoon	sw11_cb_00142
15:36:57	Lenard Harbor, north entrance	sw11_cb_00286
15:51:34	Kelp Point, Cold Bay	sw11_cb_00420
16:01:26	Vodapoini Point, Deer Passage	sw11_cb_00531

Note: Electronic shoreline has significant positional error.



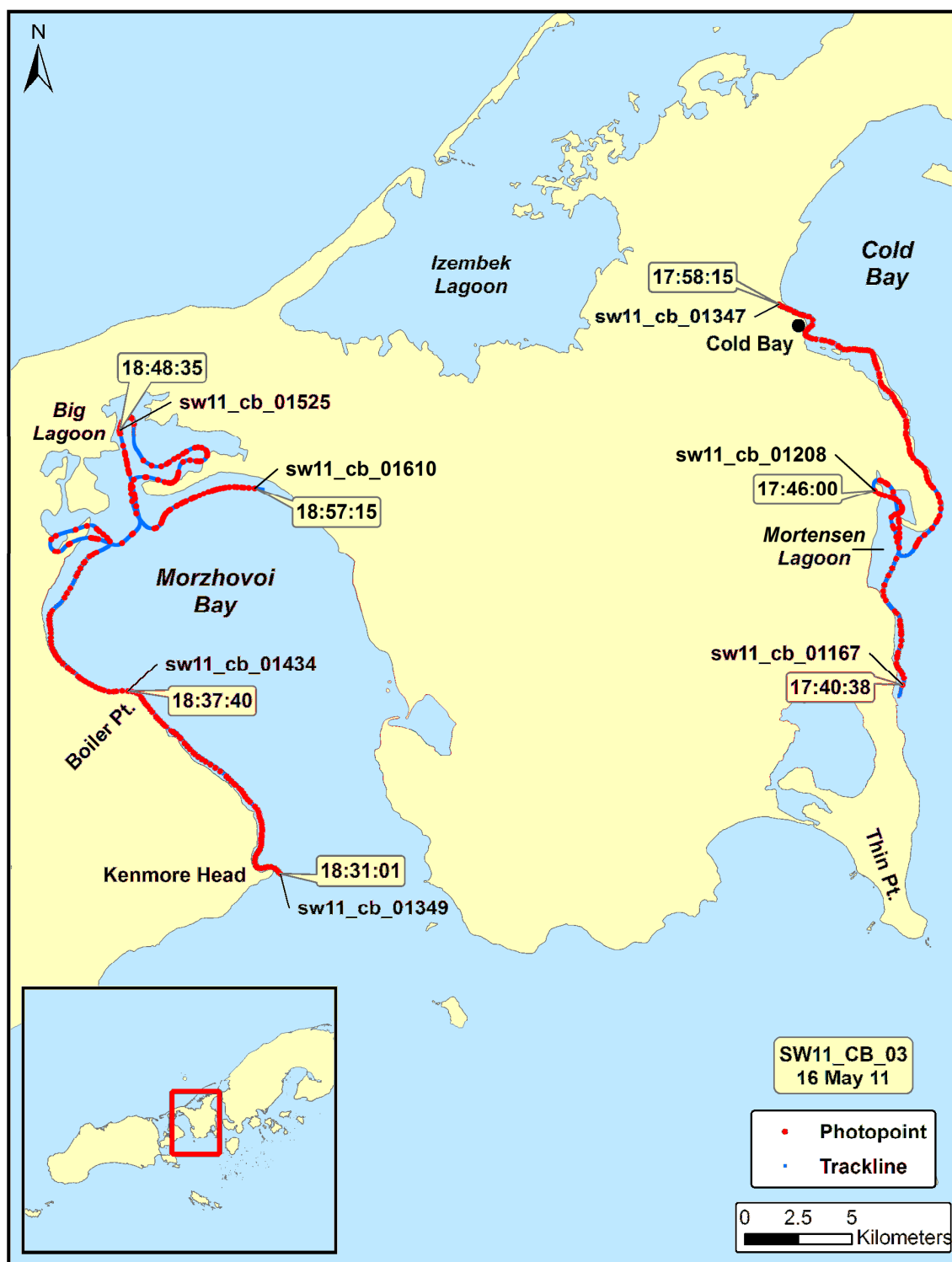
2011 Southwest Alaska Aerial Video Imaging Survey **Team Cold Bay (CB)**

Tape: SW11_CB_02

Date 16 May 2011

General Location:	Morzhovoi Bay, Thinpoint Cove, Cold Bay	
Time Start (UTC):	16:41:00	Geo: Schoch
Fuel Break:	None	Bio: Lindeberg
Time End (UTC):	17:38:40	Nav: Morrow
Tape Length:	57 min 40 sec	Pilot: Egli
Weather:	Cloudy, high overcast, light winds	

Time (UTC)	Location	Photo
16:41:14	Morzhovoi Bay	sw11_cb_00536
16:50:07	Littlejohn Lagoon, Morzhovoi Bay	sw11_cb_00649
17:06:38	Amagat Island	sw11_cb_00824
17:21:07	Thinpoint Cove	sw11_cb_00985
17:38:40	Cold Bay, north of Thin Point	sw11_cb_01166



2011 Southwest Alaska Aerial Video Imaging Survey Team Cold Bay (CB)

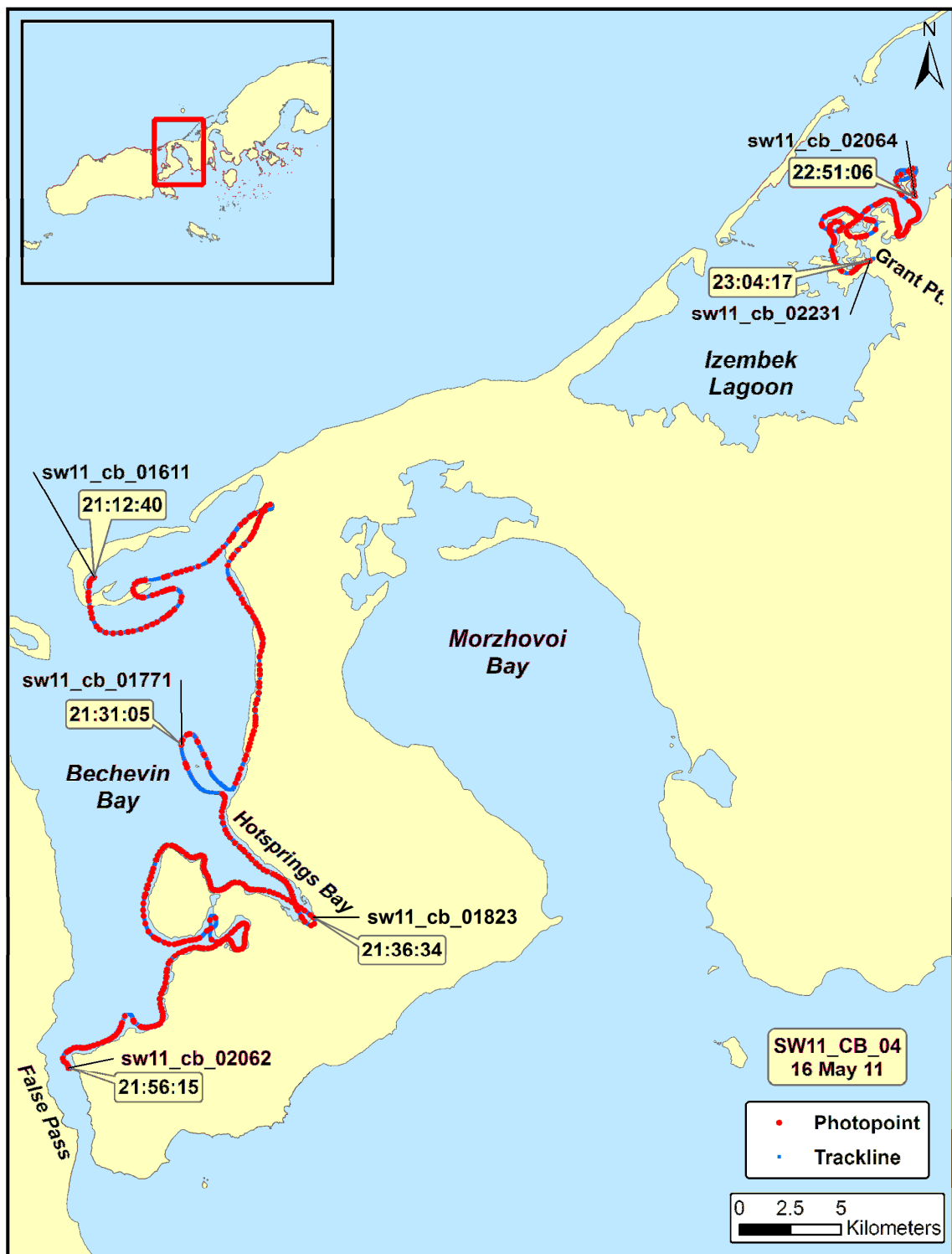
Tape: SW11_CB_03

Date 16 May 2011

General Location:	Cold Bay, Morzhovoi Bay, Big Lagoon	
Time Start (UTC):	17:40:20	Geo: Schoch
Fuel Break:	17:58:16 to 18:29:59	Bio: Lindeberg
Time End (UTC):	18:57:25	Nav: Morrow
Tape Length:	45 min 20 sec	Pilot: Egli
Weather:	Cloudy, high overcast, light winds	

Time (UTC)	Location	Photo
17:40:38	Cold Bay, north of Thin Point	sw11_cb_01167
17:46:00	Mortensen Lagoon, Cold Bay	sw11_cb_01208
17:58:15	City of Cold Bay	sw11_cb_01347
	Fuel Break: 17:58:16 to 18:29:59	
18:31:01	Kenmore Head, Morzhovoi Bay	sw11_cb_01349
18:37:40	Boiler Point, Morzhovoi Bay	sw11_cb_01434
18:48:35	Big Lagoon, Morzhovoi Bay	sw11_cb_01525
18:57:15	Morzhovoi Bay	sw11_cb_01610

Note: Electronic shoreline has significant positional error.



2011 Southwest Alaska Aerial Video Imaging Survey Team Cold Bay (CB)

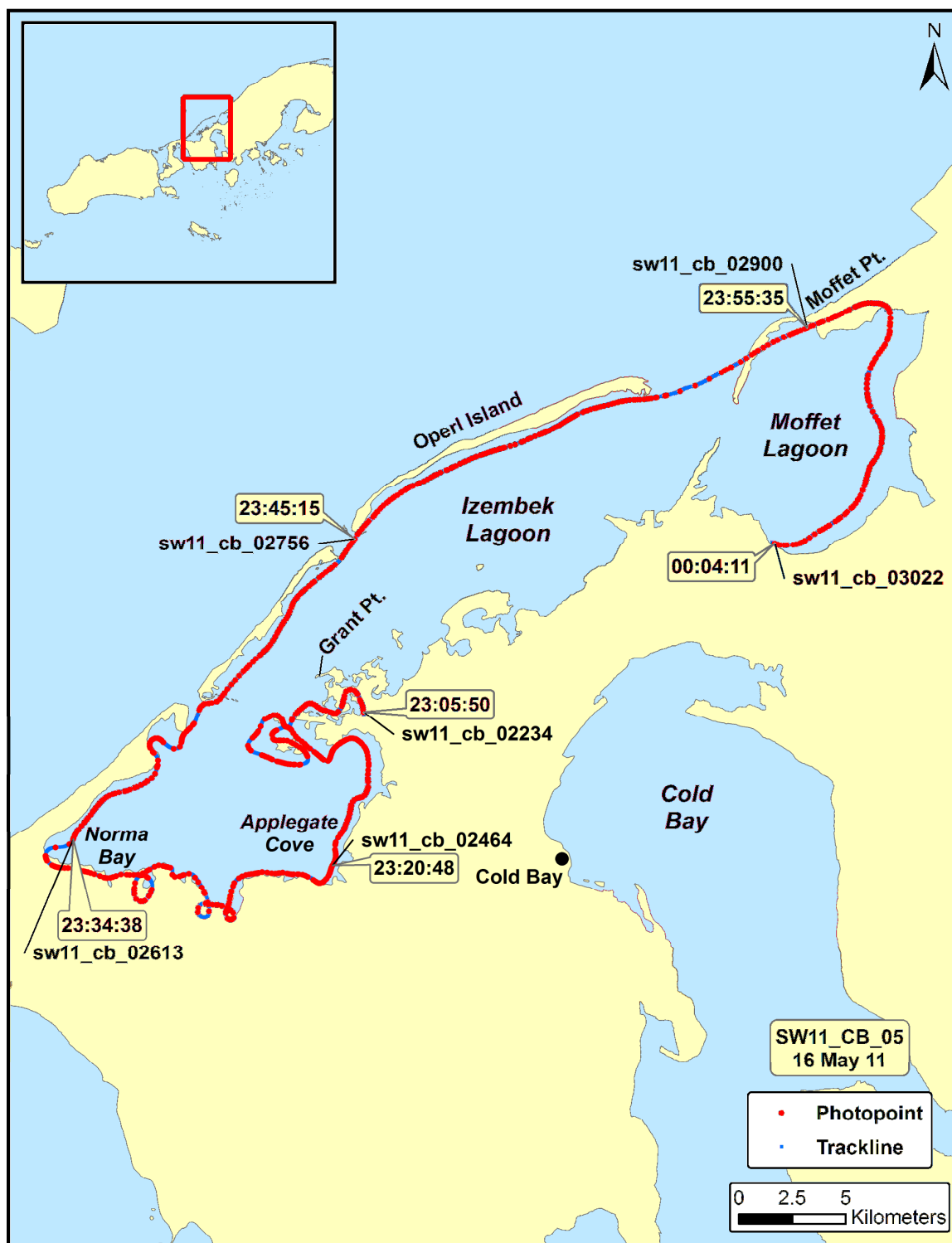
Tape: SW11_CB_04

Date 16 May 2011

General Location:	Bechevin Bay, Izembek Lagoon	
Time Start (UTC):	21:12:40	Geo: Schoch
Fuel Break:	21:56:16 to 22:51:04	Bio: Lindeberg
Time End (UTC):	23:04:25	Nav: Morrow
Tape Length:	56 min 55 sec	Pilot: Egli
Weather:	Cloudy, high overcast, light winds	

Time (UTC)	Location	Photo
21:12:40	Cape Krenitzin	sw11_cb_01611
21:31:05	Isanotski Islands, Bechevin Bay	sw11_cb_01771
21:36:34	Hotsprings Bay, Bechevin Bay	sw11_cb_01823
21:56:15	Nichols Point, False Pass	sw11_cb_02062
	Fuel Break: 21:56:16 to 22:51:04	
22:51:06	Izembek Lagoon, east of Grant Point	sw11_cb_02064
23:04:17	Izembek Lagoon, west of Grant Point	sw11_cb_02231

Note: Electronic shoreline has significant positional error.



2011 Southwest Alaska Aerial Video Imaging Survey Team Cold Bay (CB)

Tape: SW11_CB_05

Date 16 May 2011

General Location:	Izembek Lagoon, Moffat Lagoon	
Time Start (UTC):	23:05:45	Geo: Schoch
Fuel Break:	None	Bio: Lindeberg
Time End (UTC):	00:04:15	Nav: Morrow
Tape Length:	58 min 29 sec	Pilot: Egli
Weather:	Cloudy, high overcast, light winds	

Time (UTC)	Location	Photo
23:05:50	Izembek Lagoon, west of Grant Point	sw11_cb_02234
23:20:48	Applegate Cove, Izembek Lagoon	sw11_cb_02464
23:34:38	Norma Bay, Izembek Lagoon	sw11_cb_02613
23:45:15	Operl Island, west entrance to Izembek Lagoon	sw11_cb_02756
23:55:35	Moffet Point	sw11_cb_02900
00:04:11	Moffet Lagoon	sw11_cb_03022

Notes: Electronic shoreline has significant positional error.
UTC date and time turned to 17 May 2011 for last 4 min 15 sec of tape.



2011 Southwest Alaska Aerial Video Imaging Survey Team Cold Bay (CB)

Tape: SW11_CB_06

Date 17 May 2011

General Location: South Unimak Island

Time Start (UTC): 16:22:55

Geo: Schoch

Fuel Break: None

Bio: Lindeberg

Time End (UTC): 17:18:40

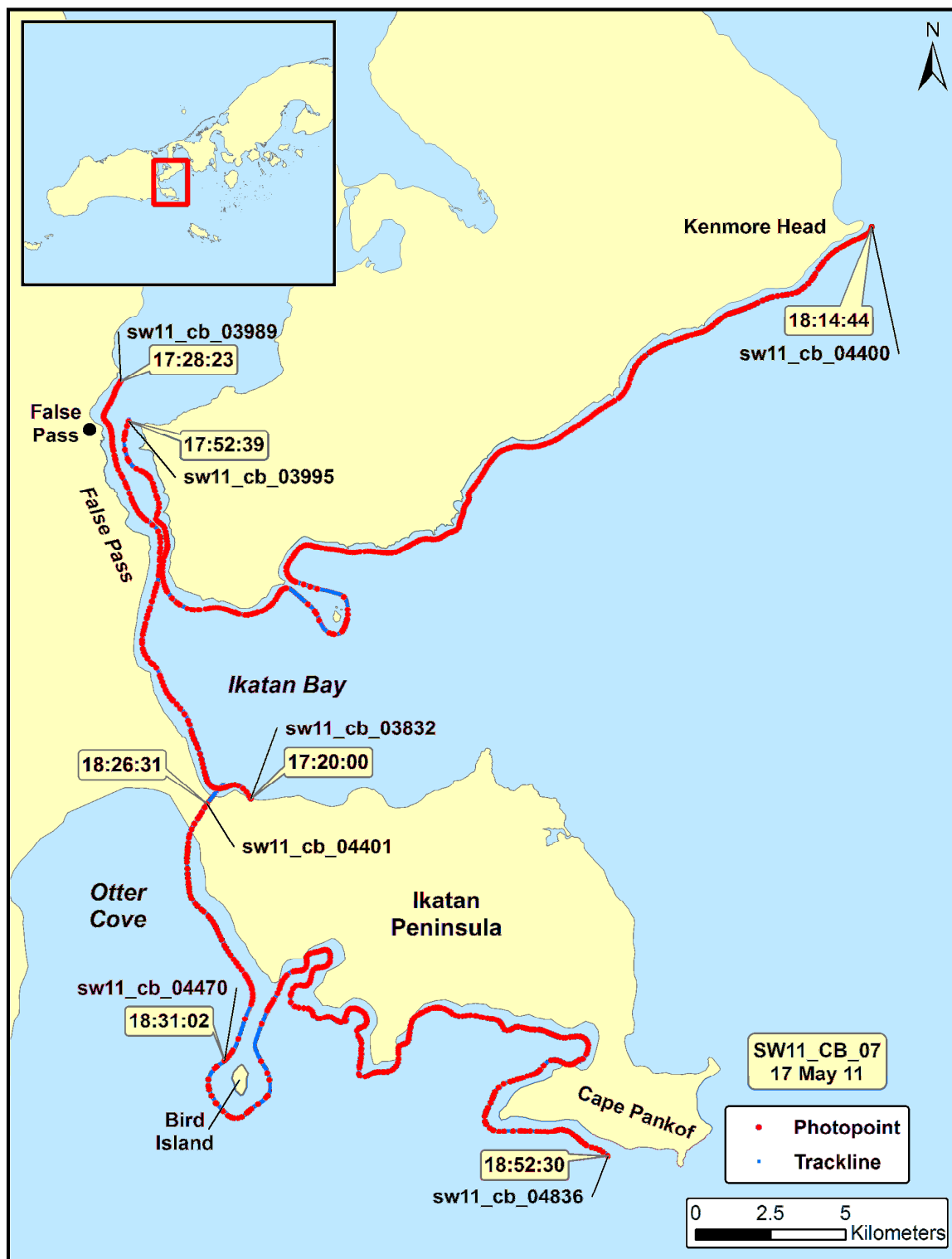
Nav: Morrow

Tape Length: 55 min 45 sec

Pilot: Egli

Weather: Cloudy, high overcast, light winds

Time (UTC)	Location	Photo
16:22:58	Scotch Cap, Unimak Pass	sw11_cb_03023
16:38:28	Cape Lutke, Unimak Island	sw11_cb_03239
16:52:41	Unimak Bight, Unimak Island	sw11_cb_03443
17:04:35	Cape Lazaref, Unimak Island	sw11_cb_03608
17:11:40	Cape Aksit, Unimak Island	sw11_cb_03717
17:18:36	Otter Cove, Unimak Island	sw11_cb_03831



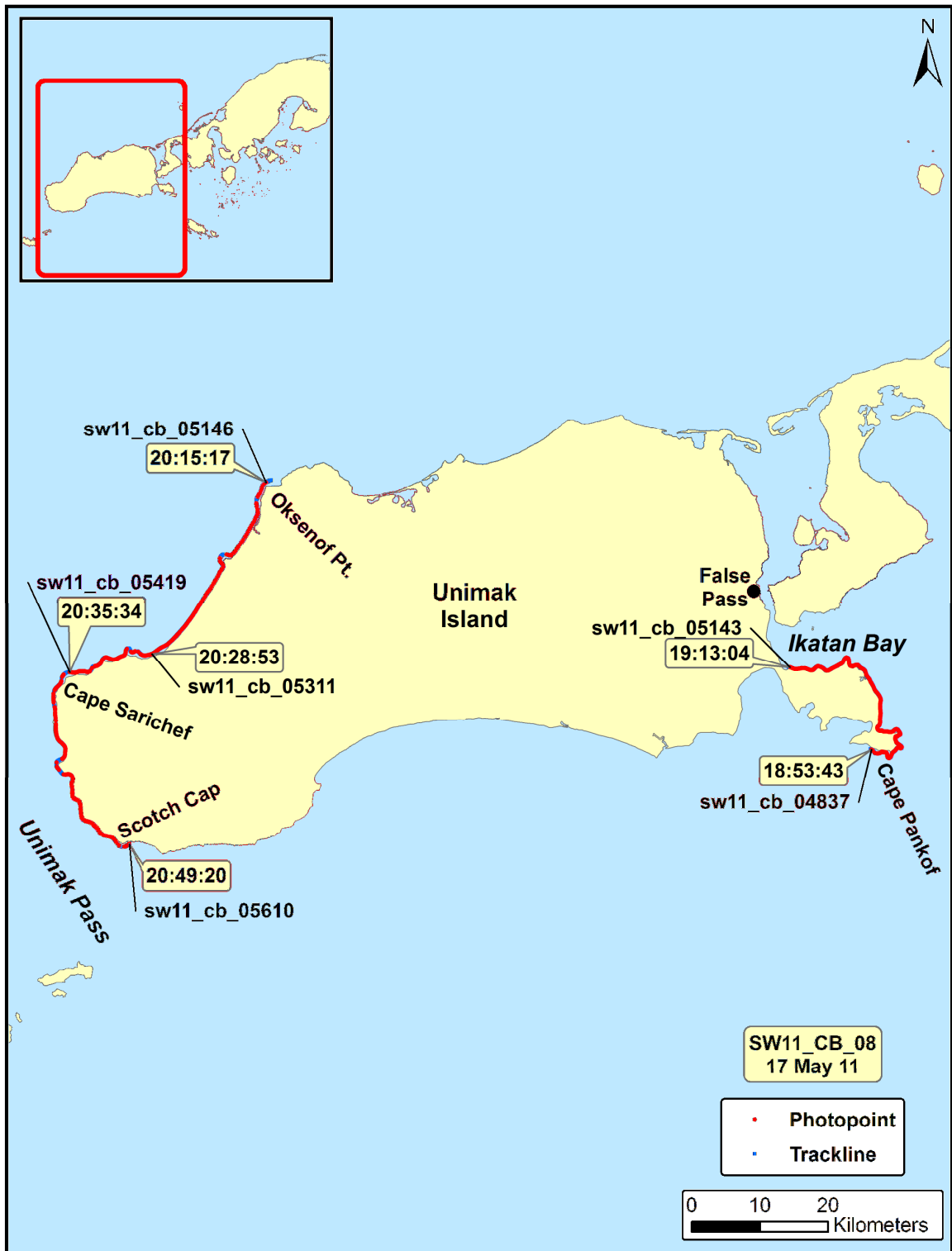
2011 Southwest Alaska Aerial Video Imaging Survey Team Cold Bay (CB)

Tape: SW11_CB_07

Date 17 May 2011

General Location:	False Pass, Ikatan Bay, Ikatan Peninsula	
Time Start (UTC):	17:20:00	Geo: Schoch
Fuel Break:	17:28:26 to 17:52:36	Bio: Lindeberg
Time End (UTC):	18:52:30	Nav: Morrow
Tape Length:	56 min 53 sec	Pilot: Egli
Weather:	Cloudy, high overcast, light winds	

Time (UTC)	Location	Photo
17:20:00	Ikatan Bay, Ikatan Peninsula	sw11_cb_03832
17:28:23	City of False Pass	sw11_cb_03989
	Fuel Break: 17:28:26 to 17:52:36	
17:52:39	Nichols Point, False Pass	sw11_cb_03995
18:14:44	Kenmore Head, Morzhovoi Bay	sw11_cb_04400
	Transit to Ikatan Peninsula – 18:14:46 to 18:26:09	
18:26:31	Otter Cove, Ikatan Peninsula	sw11_cb_04401
18:31:02	Bird Island, Ikatan Peninsula	sw11_cb_04470
18:52:30	Cape Pankof, Ikatan Peninsula	sw11_cb_04836



2011 Southwest Alaska Aerial Video Imaging Survey Team Cold Bay (CB)

Tape: SW11_CB_08

Date 17 May 2011

General Location:	Ikatan Peninsula, Unimak Pass	
Time Start (UTC):	18:53:35	Geo: Schoch
Fuel Break:	19:13:11 to 20:14:54	Bio: Lindeberg
Time End (UTC):	20:49:20	Nav: Morrow
Tape Length:	54 min 00 sec	Pilot: Egli
Weather:	Cloudy, high overcast, light winds	

Time (UTC)	Location	Photo
18:53:43	Cape Pankof, Ikatan Peninsula	sw11_cb_04837
19:13:04	Ikatan Bay, Ikatan Peninsula	sw11_cb_05143
	Fuel Break: 19:13:11 to 20:14:54	
20:15:17	Oksenof Point, north Unimak Island	sw11_cb_05146
20:28:53	Cataract Cove, Dublin Bay	sw11_cb_05311
20:35:34	Cape Sarichef, Unimak Pass	sw11_cb_05419
20:49:20	Scotch Cap, Unimak Pass	sw11_cb_05610



**2011 Southwest Alaska Aerial Video Imaging Survey
Team Cold Bay (CB)**

Tape: SW11_CB_09

Date 17 May 2011

General Location: North Unimak Island

Time Start (UTC): 22:14:45

Geo: Schoch

Fuel Break: None

Bio: Lindeberg

Time End (UTC): 22:42:19

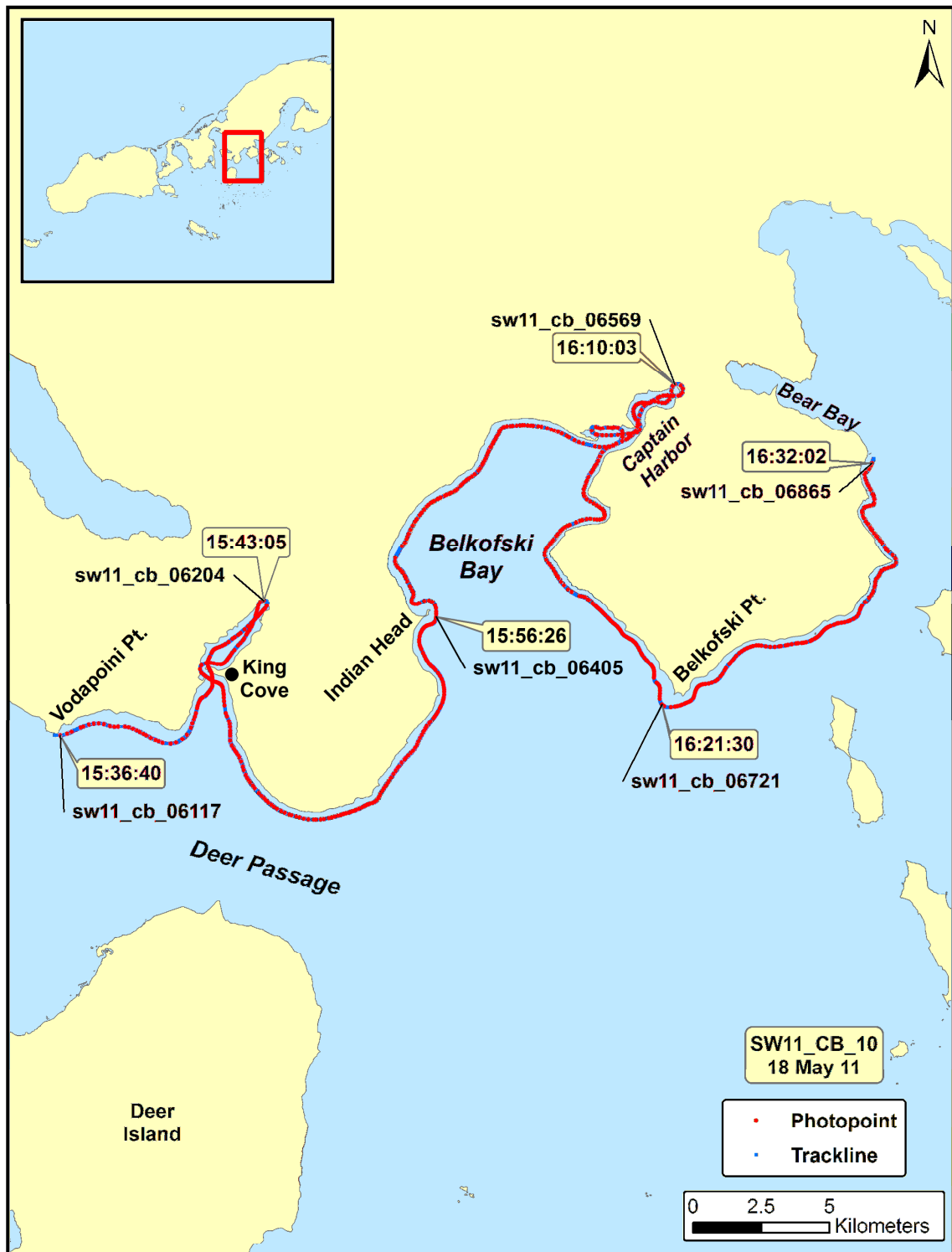
Nav: Morrow

Tape Length: 27 min 34 sec

Pilot: Egli

Weather: Cloudy, high overcast, light winds

Time (UTC)	Location	Photo
22:14:55	Swanson Lagoon, north Unimak Island	sw11_cb_05615
22:17:49	Otter Point, north Unimak Island	sw11_cb_05656
22:28:00	Cape Lapin, north Unimak Island	sw11_cb_05822
22:38:12	Cape Mordvinof, north Unimak Island	sw11_cb_06020
22:42:19	Oksenof Point, north Unimak Island	sw11_cb_06116



2011 Southwest Alaska Aerial Video Imaging Survey **Team Cold Bay (CB)**

Tape: SW11_CB_10

Date 18 May 2011

General Location: King Cove, Belkofski Bay

Time Start (UTC): 15:36:35

Geo: Schoch

Fuel Break: None

Bio: Lindeberg

Time End (UTC): 16:32:10

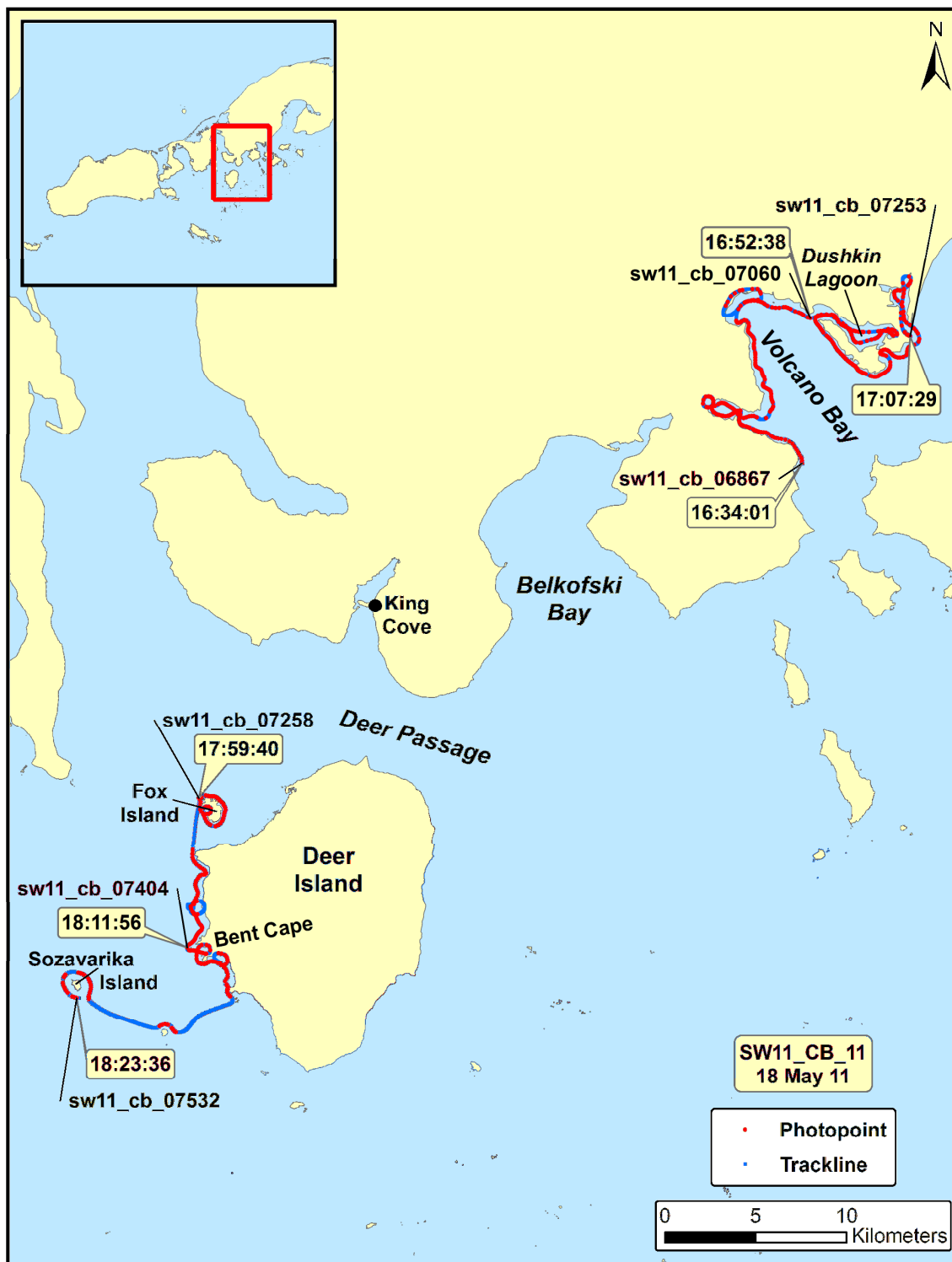
Nav: Morrow

Tape Length: 55 min 35 sec

Pilot: Egli

Weather: Low overcast, misty, light rain

Time (UTC)	Location	Photo
15:36:40	Vodapoini Point, Deer Passage	sw11_cb_06117
15:43:05	King Cove Lagoon	sw11_cb_06204
15:56:26	Indian Head, Belkofski Bay	sw11_cb_06405
16:10:03	Captain Harbor, Belkofski Bay	sw11_cb_06569
16:21:30	Belkofski Point, Belkofski Bay	sw11_cb_06721
16:32:02	Volcano Bay, south of Bear Bay	sw11_cb_06865



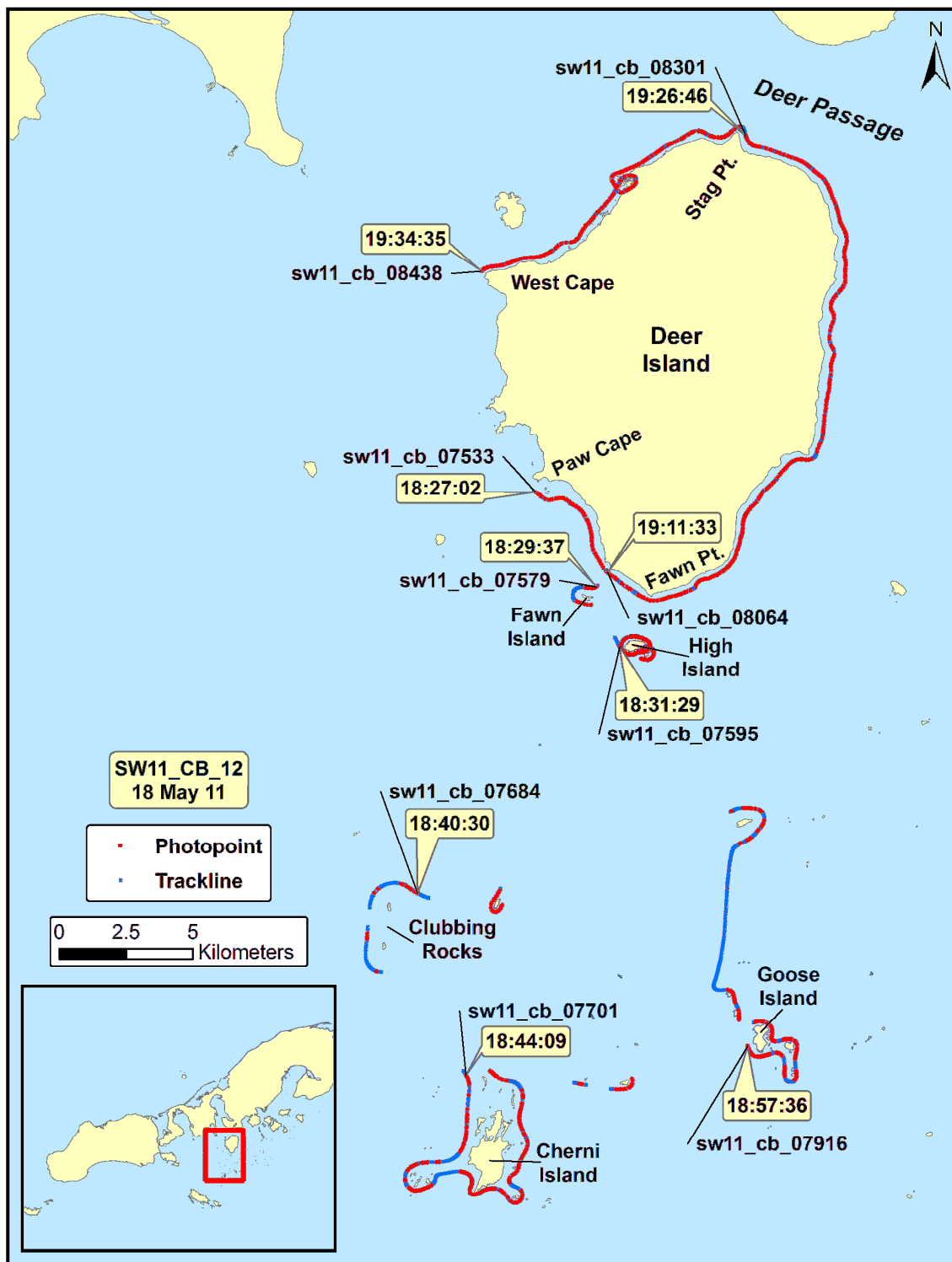
2011 Southwest Alaska Aerial Video Imaging Survey Team Cold Bay (CB)

Tape: SW11_CB_11

Date 18 May 2011

General Location:	Volcano Bay, West Deer Island		
Time Start (UTC):	16:34:00	Geo:	Schoch
Fuel Break:	17:07:31 to 17:59:39	Bio:	Lindeberg
Time End (UTC):	18:23:40	Nav:	Morrow
Tape Length:	57 min 30 sec	Pilot:	Egli
Weather:	Low overcast, misty, light rain		

Time (UTC)	Location	Photo
16:34:01	Volcano Bay, south of Bear Bay	sw11_cb_06867
16:52:38	Entrance to Dushkin Lagoon, Volcano Bay	sw11_cb_07060
17:07:29	Long John Lagoon	sw11_cb_07253
	Fuel Break: 17:07:31 to 17:59:39	
17:59:40	Fox Island	sw11_cb_07258
18:11:56	Bent Cape, Deer Island	sw11_cb_07404
18:23:36	Sozavarika Island	sw11_cb_07532



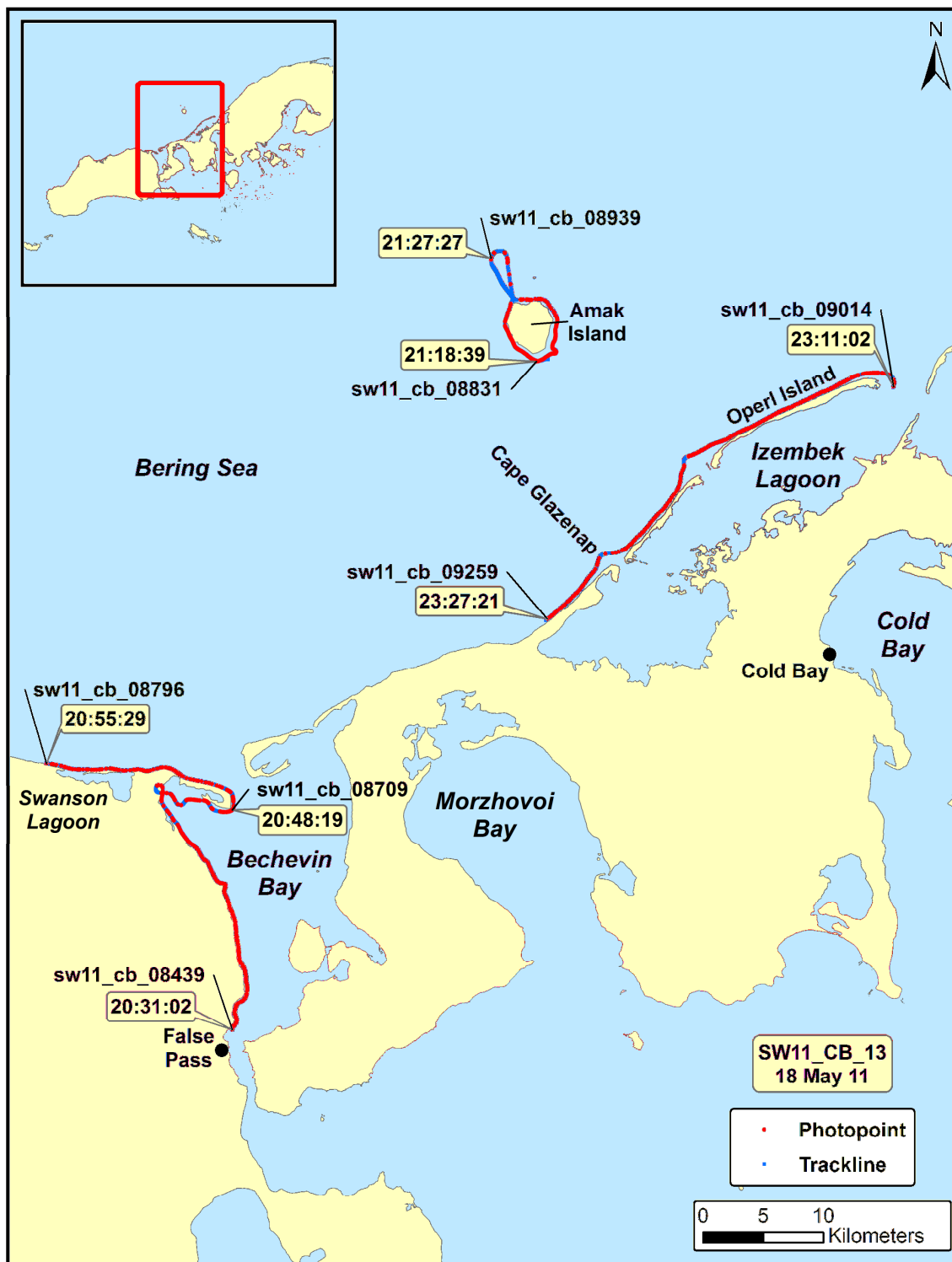
2011 Southwest Alaska Aerial Video Imaging Survey Team Cold Bay (CB)

Tape: SW11_CB_12

Date 18 May 2011

General Location:	Sandman Reefs, Deer Island	
Time Start (UTC):	18:27:00	Geo: Schoch
Fuel Break:	None	Bio: Lindeberg
Time End (UTC):	19:34:35	Nav: Morrow
Tape Length:	49 min 36 sec	Pilot: Egli
Weather:	Low overcast, misty, light rain	

Time (UTC)	Location	Photo
18:27:02	Paw Cape, Deer Island	sw11_cb_07533
	Transit: 18:29:16 to 18:29:34	
18:29:37	Fawn Island	sw11_cb_07579
	Transit: 18:30:41 to 18:31:19	
18:31:29	High Island	sw11_cb_07595
	Transit: 18:34:26 to 18:38:13	
18:40:30	Clubbing Rocks	sw11_cb_07684
	Transit: 18:42:26 to 18:44:04	
18:44:09	Cherni Island	sw11_cb_07701
	Transit: 18:55:11 to 18:57:34	
18:57:36	Goose Island	sw11_cb_07916
	Transit: 19:06:39 to 19:11:29	
19:11:33	Deer Island, west of Fawn Point	sw11_cb_08064
19:26:46	Stag Point, Deer Island	sw11_cb_08301
19:34:35	West Cape, Deer Island	sw11_cb_08438



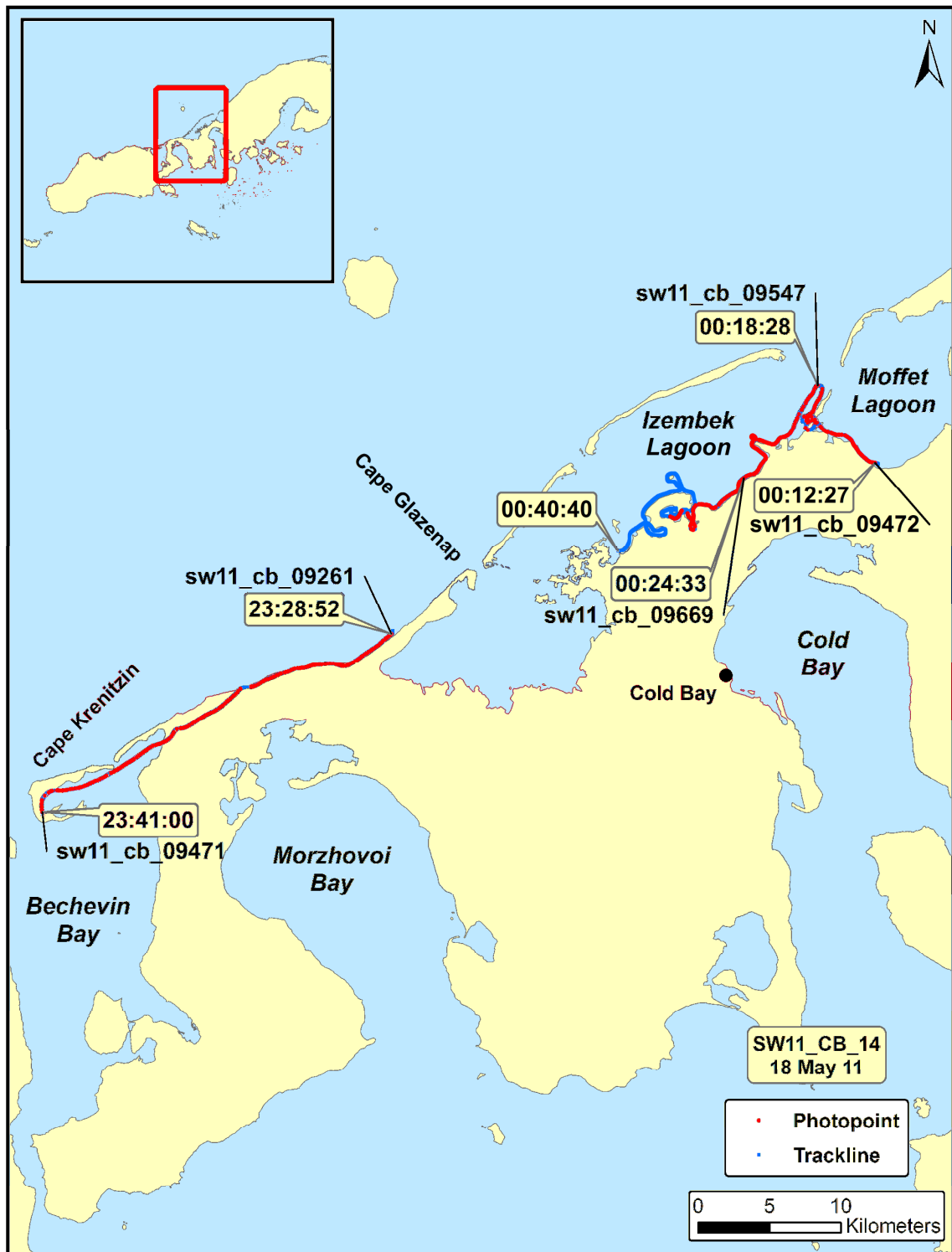
2011 Southwest Alaska Aerial Video Imaging Survey Team Cold Bay (CB)

Tape: SW11_CB_13

Date 18 May 2011

General Location:	Bechevin Bay, Amak Island, Outer Kudiakof Islands		
Time Start (UTC):	20:31:00	Geo:	Schoch
Fuel Break:	21:33:16 to 23:10:59	Bio:	Lindeberg
Time End (UTC):	23:27:25	Nav:	Morrow
Tape Length:	55 min 27 sec	Pilot:	Egli
Weather:	Partly cloudy, light winds		

Time (UTC)	Location	Photo
20:31:02	City of False Pass	sw11_cb_08439
20:48:19	Chunak Point, Bechevin Bay	sw11_cb_08709
20:55:29	Swanson Lagoon, north Unimak Island	sw11_cb_08796
	Transit: 20:55:31 to 21:18:38	
21:18:39	South Amak Island	sw11_cb_08831
21:27:27	Sealion Rocks, Amak Island	sw11_cb_08939
	Fuel Break: 21:33:16 to 23:10:59	
23:11:02	Operl Island, east entrance to Izembek Lagoon	sw11_cb_09014
23:27:21	West of Cape Glazenap	sw11_cb_09259



2011 Southwest Alaska Aerial Video Imaging Survey Team Cold Bay (CB)

Tape: SW11_CB_14

Date 18 May 2011

General Location:	Cape Krenitzin, Moffet Lagoon, Izembek Lagoon	
Time Start (UTC):	23:28:45	Geo: Schoch
Fuel Break:	None	Bio: Lindeberg
Time End (UTC):	00:40:40	Nav: Morrow
Tape Length:	40 min 40 sec	Pilot: Egli
Weather:	Partly cloudy, light winds	

Time (UTC)	Location	Photo
23:28:52	West of Cape Glazenap	sw11_cb_09261
23:41:00	Cape Krenitzin, Bechevin Bay	sw11_cb_09471
	Transit: 23:41:06 to 00:12:19	
00:12:27	Moffet Lagoon	sw11_cb_09472
00:18:28	Blaine Point, entrance to Moffet Lagoon	sw11_cb_09547
00:24:33	Izembek Lagoon	sw11_cb_09669
00:40:40	Izembek Lagoon, east of Grant Point	

Notes: No still images from 00:29:49 to 00:40:40 – Camera Error.

Electronic shoreline has significant positional error.

UTC date and time turned to 19 May 2011 for last 28 min 20 sec of tape.



2011 Southwest Alaska Aerial Video Imaging Survey Team Cold Bay (CB)

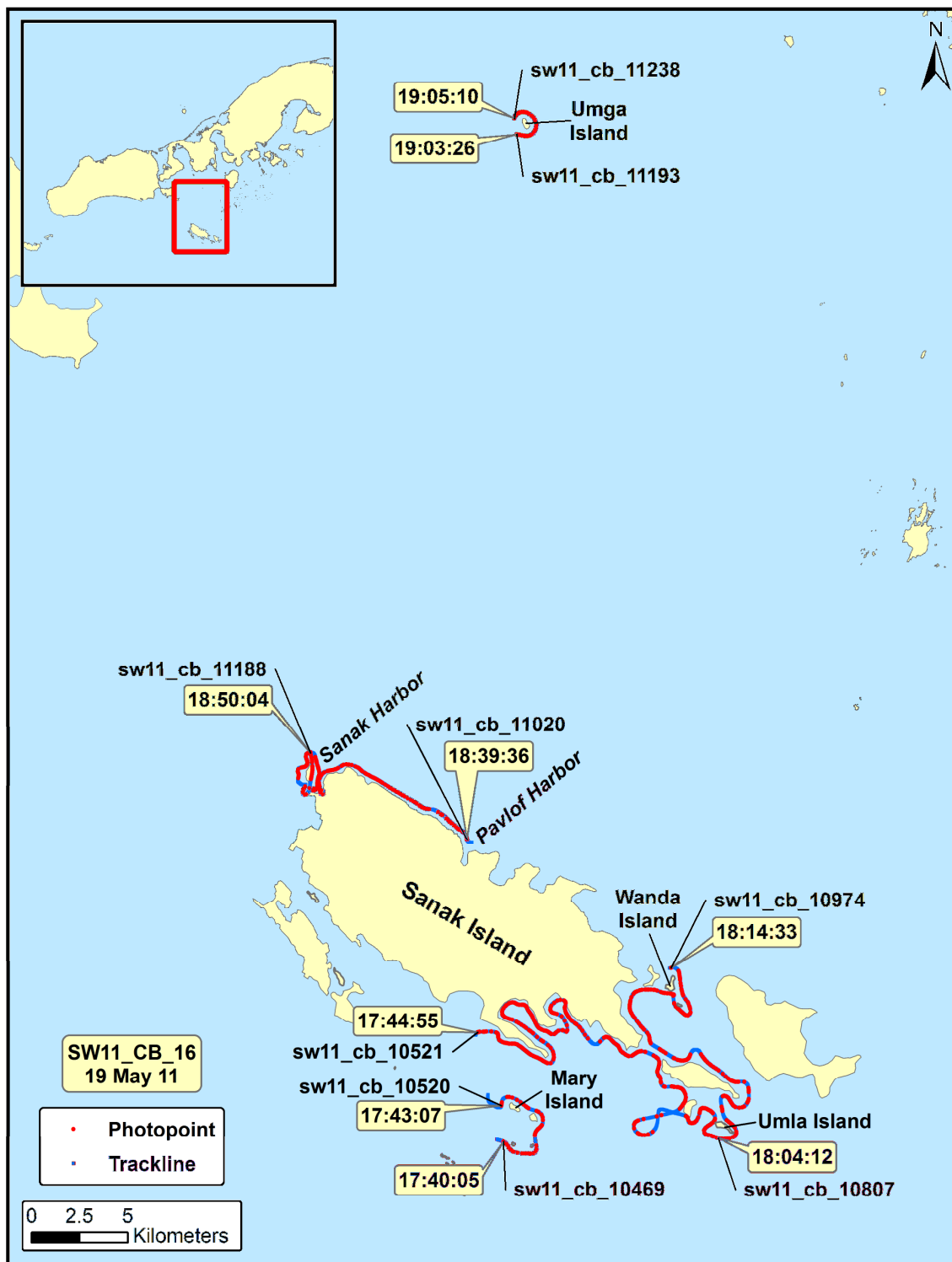
Tape: SW11_CB_15

Date 19 May 2011

General Location: Sanak Island
Time Start (UTC): 16:39:45
Fuel Break: None
Time End (UTC): 17:38:19
Tape Length: 56 min 49 sec
Weather: Fog, low ceiling, light rain

Geo: Schoch
Bio: Lindeberg
Nav: Morrow
Pilot: Egli

Time (UTC)	Location	Photo
16:40:24	Rabbit Island	sw11_cb_09748
16:49:56	Trinity Islands	sw11_cb_09885
16:56:34	Clifford Island	sw11_cb_00063
17:23:01	Washwoman Creek, Sanak Island	sw11_cb_10287
17:29:37	Sandy Bay, Sanak Island	sw11_cb_10384
17:31:35	Sisters Island, Sanak Reefs	sw11_cb_10386
	Transit: 17:29:46 to 17:31:29	
17:38:18	Sisters Island, Sanak Reefs	sw11_cb_10467



2011 Southwest Alaska Aerial Video Imaging Survey Team Cold Bay (CB)

Tape: SW11_CB_16

Date 19 May 2011

General Location: Sanak Island, Umga Island

Time Start (UTC): 17:39:55

Geo: Schoch

Fuel Break: 18:14:36 to 18:39:23

Bio: Lindeberg

Time End (UTC): 19:05:10

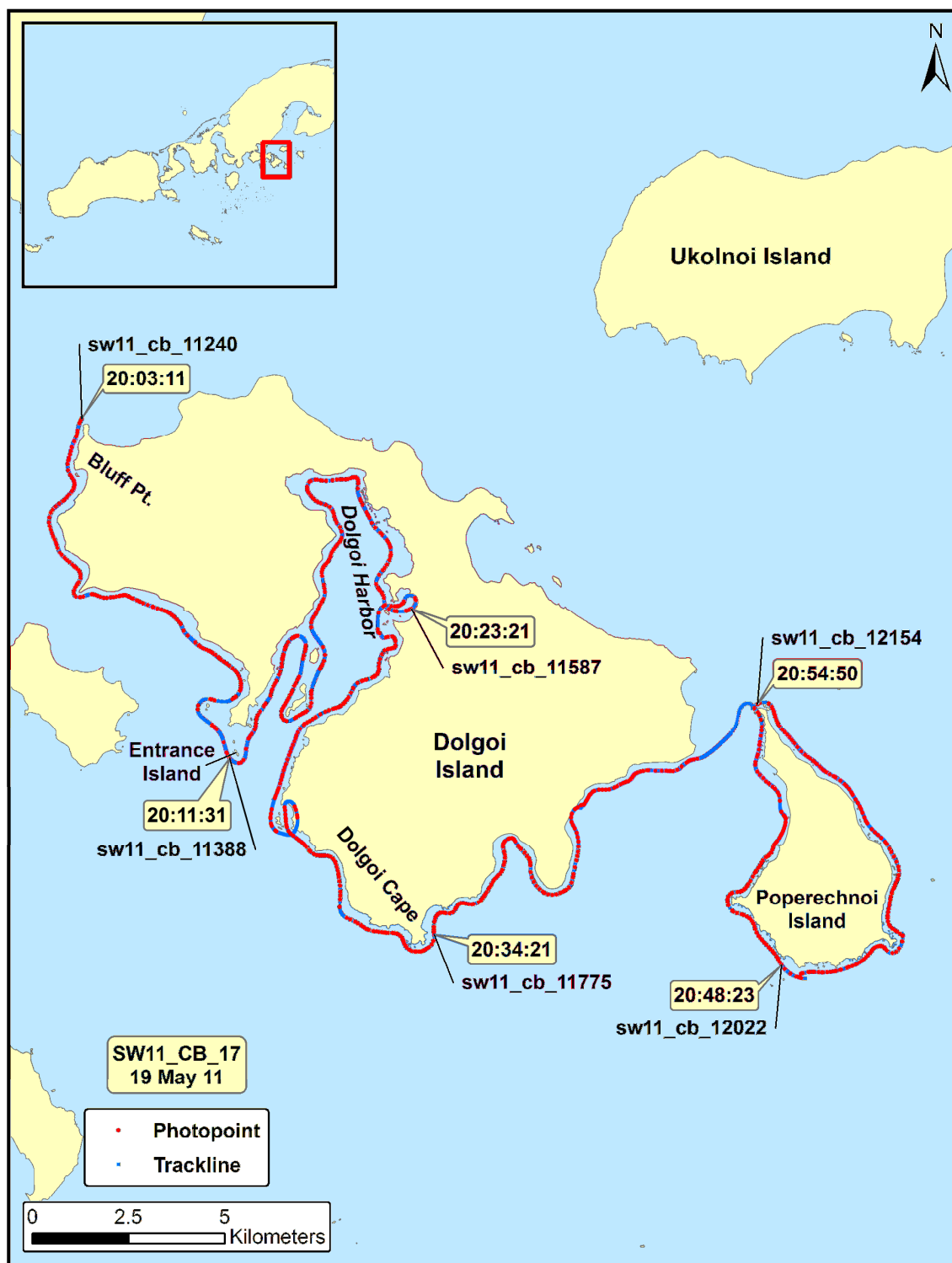
Nav: Morrow

Tape Length: 45 min 56 sec

Pilot: Egli

Weather: Fog, low ceiling, light rain

Time (UTC)	Location	Photo
17:40:05	Dora Island, Sanak Reefs	sw11_cb_10469
17:43:07	Mary Island, Sanak Reefs	sw11_cb_10520
	Transit: 17:43:41 to 17:44:49	
17:44:55	Sandy Bay, Sanak Island	sw11_cb_10521
18:04:12	Umla Island	sw11_cb_10807
18:14:33	Wanda Island	sw11_cb_10974
	Fuel Break: 18:14:36 to 18:39:23	
18:39:36	Pavlof Harbor, Sanak Island	sw11_cb_11020
18:50:04	Sanak Harbor, Sanak Island	sw11_cb_11188
	Transit: 18:50:06 to 19:03:24	
19:03:26	Umga Island	sw11_cb_11193
19:05:10	Umga Island	sw11_cb_11283



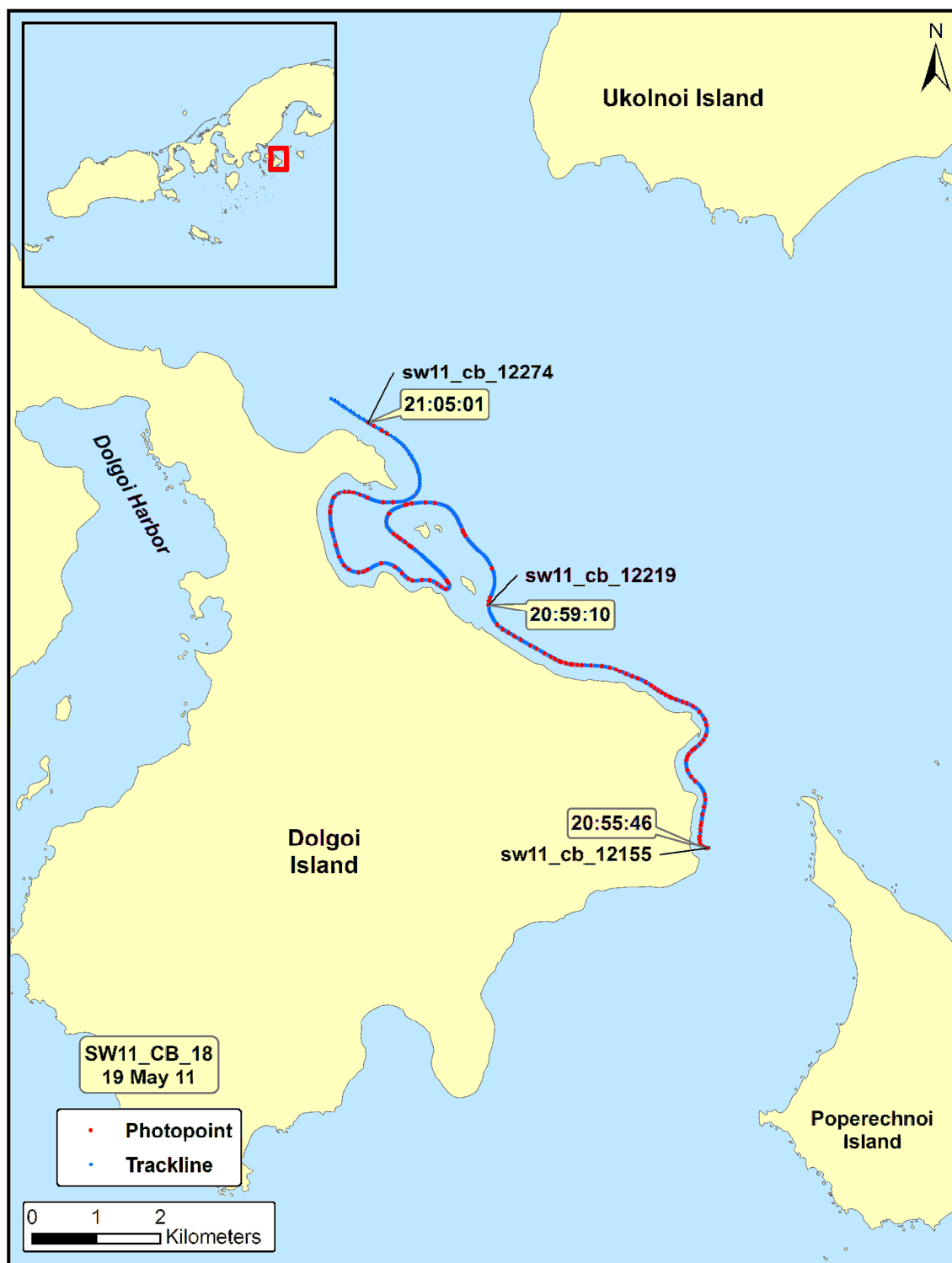
2011 Southwest Alaska Aerial Video Imaging Survey Team Cold Bay (CB)

Tape: SW11_CB_17

Date 19 May 2011

General Location:	Dolgoi Island, Poperechnoi Island	
Time Start (UTC):	20:03:10	Geo: Schoch
Fuel Break:	None	Bio: Lindeberg
Time End (UTC):	20:54:55	Nav: Morrow
Tape Length:	51 min 45 sec	Pilot: Egli
Weather:	Fog, low ceiling, light rain	

Time (UTC)	Location	Photo
20:03:11	Bluff Point, west Dolgoi Island	sw11_cb_11240
20:11:31	Entrance Island, Dolgoi Harbor	sw11_cb_11388
20:23:21	Dolgoi Harbor	sw11_cb_11587
20:34:21	Dolgoi Cape	sw11_cb_11775
20:48:23	South Poperechnoi Island	sw11_cb_12022
20:54:50	North point of Poperechnoi Island	sw11_cb_12154



**2011 Southwest Alaska Aerial Video Imaging Survey
Team Cold Bay (CB)**

Tape: SW11_CB_18

Date 19 May 2011

General Location: Dolgoi Island

Time Start (UTC): 20:55:45

Fuel Break: None

Time End (UTC): 21:05:15

Tape Length: 9 min 30 sec

Weather: Fog, low ceiling, light rain

Geo: Schoch

Bio: Lindeberg

Nav: Morrow

Pilot: Egli

Time (UTC)	Location	Photo
20:55:46	West end Dolgoi Island	sw11_cb_12155
20:59:10	North Dolgoi Island	sw11_cb_12219
21:05:01	North Dolgoi Island	sw11_cb_12274



2011 Southwest Alaska Aerial Video Imaging Survey **Team Cold Bay (CB)**

Tape: SW11_CB_19

Date 20 May 2011

General Location: Caton Island, Sanak Island

Time Start (UTC): 17:16:18

Geo: Schoch

Fuel Break: None

Bio: Lindeberg

Time End (UTC): 18:00:46

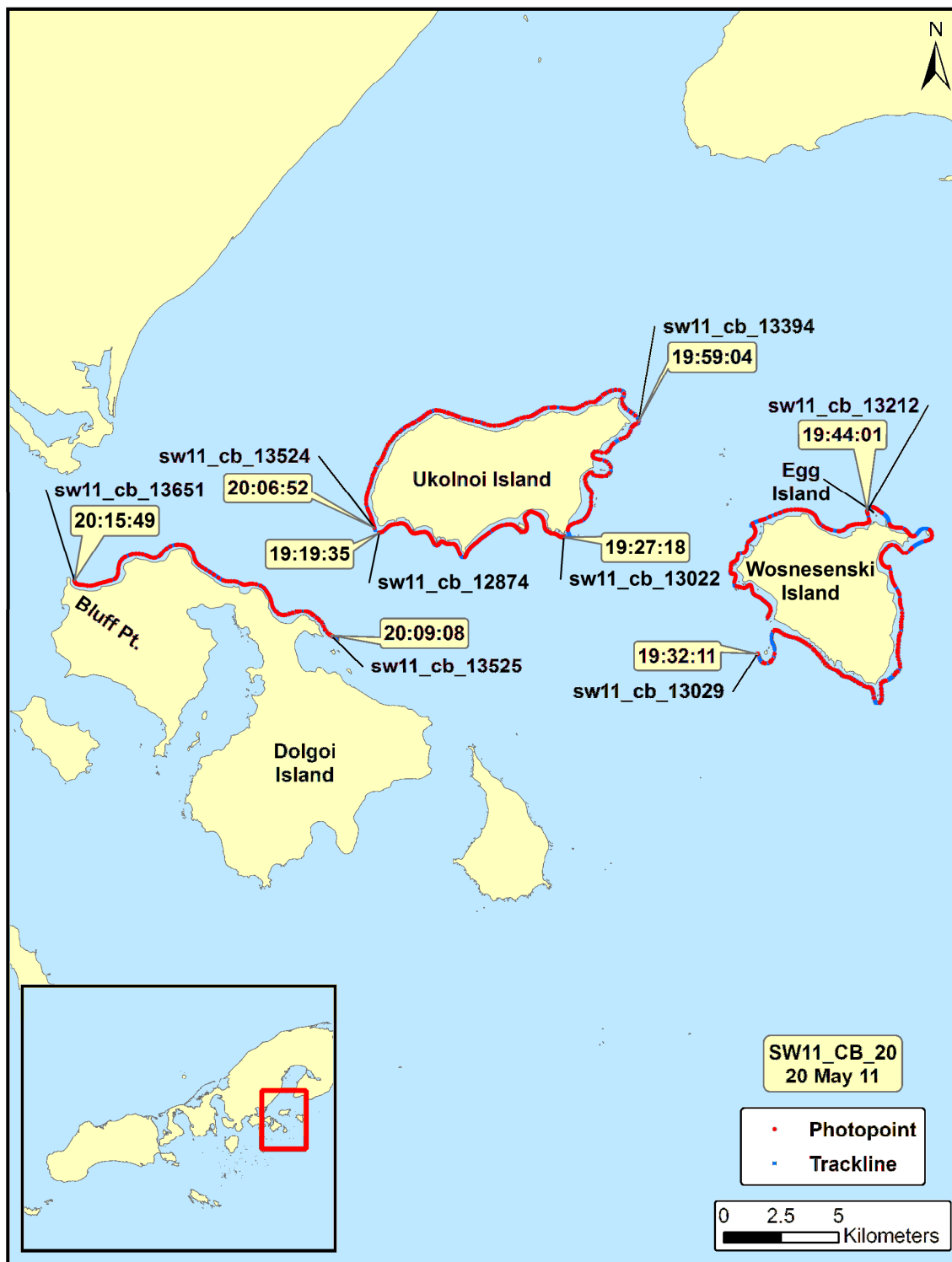
Nav: Morrow

Tape Length: 44 min 28 sec

Pilot: Egli

Weather: Fog, low ceiling, light rain

Time (UTC)	Location	Photo
17:16:19	Lida Island	sw11_cb_12275
17:26:09	South Caton Island	sw11_cb_12403
17:38:12	Whale Bay, Caton Island	sw11_cb_12545
17:44:41	Finneys Island	sw11_cb_12617
17:51:24	Northeast Point, Sanak Island	sw11_cb_12716
17:55:11	Unimak Cove, Sanak Island	sw11_cb_12780
18:00:22	West of Pavlof Harbor, Sanak Island	sw11_cb_12873



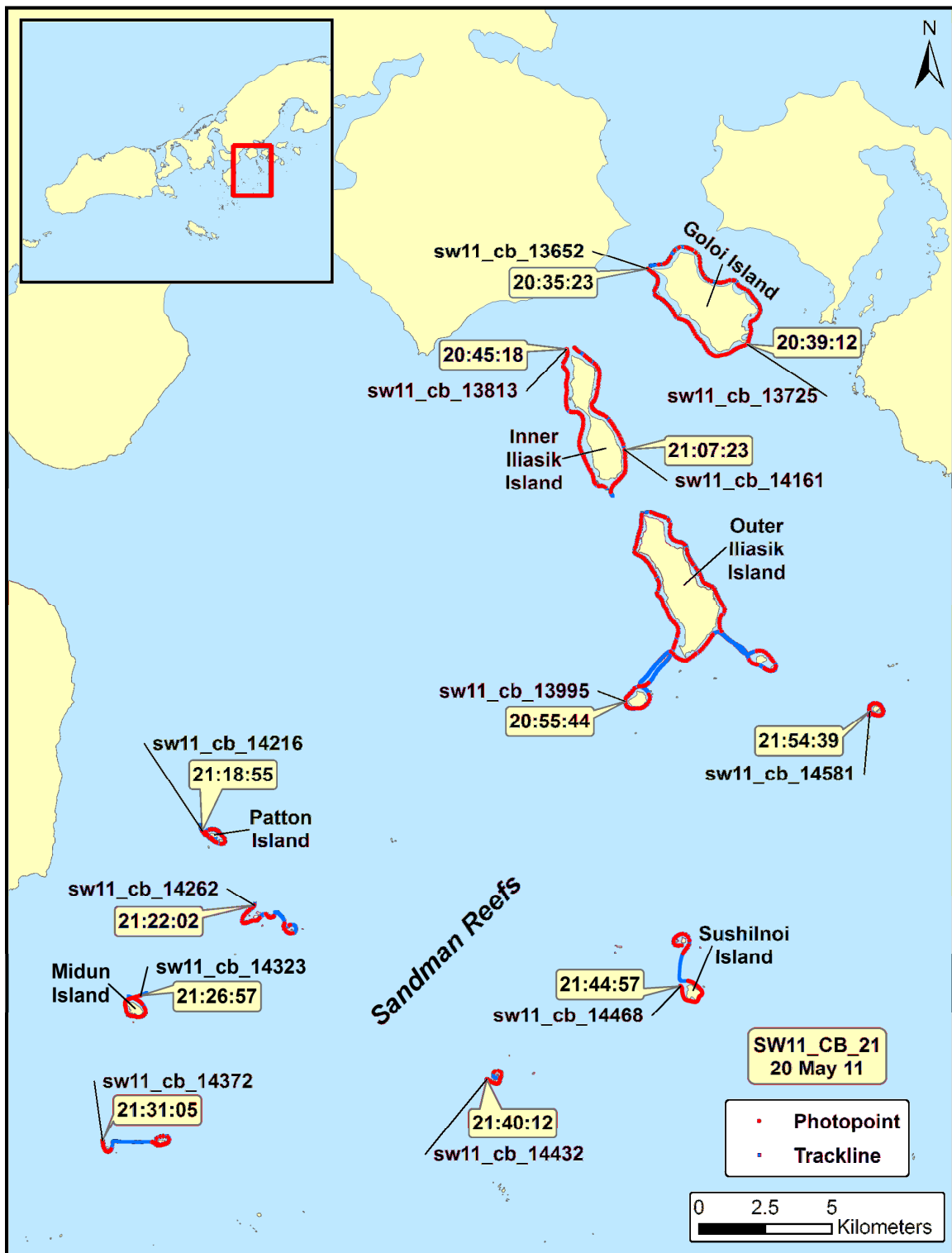
2011 Southwest Alaska Aerial Video Imaging Survey Team Cold Bay (CB)

Tape: SW11_CB_20

Date 20 May 2011

General Location:	Ukolnoi Island, Wosnesenski, Island, Dolgoi Island	
Time Start (UTC):	19:19:34	Geo: Schoch
Fuel Break:	None	Bio: Lindeberg
Time End (UTC):	20:15:58	Nav: Morrow
Tape Length:	46 min 26 sec	Pilot: Egli
Weather:	Fog, low ceiling, light rain	

Time (UTC)	Location	Photo
19:19:35	Ukolnoi Island, southwest corner	sw11_cb_12874
19:27:18	Ukolnoi Island, southeast corner	sw11_cb_13022
	Transit: 19:27:37 to 19:32:09	
19:32:11	Southwest Point, Wosnesenski Island	sw11_cb_13029
19:44:01	Egg Island, Wosnesenski Island	sw11_cb_13212
	Transit: 19:51:01 to 19:54:19	
19:59:04	Ukolnoi Island, northeast corner	sw11_cb_13394
20:06:52	Ukolnoi Island, southwest corner	sw11_cb_13524
	Transit: 20:06:57 to 20:08:59	
20:09:08	North Dolgoi Island	sw11_cb_13525
20:15:49	Bluff Point, Dolgoi Island	sw11_cb_13651



2011 Southwest Alaska Aerial Video Imaging Survey **Team Cold Bay (CB)**

Tape: SW11_CB_21

Date 20 May 2011

General Location:	Goloi Island, Iliasik Islands, Sandman Reefs	
Time Start (UTC):	20:35:23	Geo: Schoch
Fuel Break:	None	Bio: Lindeberg
Time End (UTC):	21:54:42	Nav: Morrow
Tape Length:	45 min 52 sec	Pilot: Egli
Weather:	Fog, low ceiling, light rain	

Time (UTC)	Location	Photo
20:35:23	Goloi Island, northwest side	sw11_cb_13652
20:39:12	Goloi Island, southeast side	sw11_cb_13725
	Transit: 20:43:16 to 20:45:17	
20:45:18	North point of Inner Iliasik Island	sw11_cb_13813
	Transit: 20:49:06 to 20:50:04	
20:55:44	Sarana Island	sw11_cb_13995
	Transit: 21:05:41 to 21:06:15	
21:07:23	Inner Iliasik Island	sw11_cb_14161
	Transit: 21:09:41 to 21:18:45	
21:18:55	Patton Island	sw11_cb_14216
	Transit: 21:20:40 to 21:21:59	
21:22:02	Buyan Islands	sw11_cb_14262
	Transit: 21:25:01 to 21:26:51	
21:26:57	Midun Island	sw11_cb_14323
	Transit: 21:28:41 to 21:31:04	
21:31:05	Sandman Reefs	sw11_cb_14372
	Transit: 21:34:01 to 21:40:11	
21:40:12	Sandman Reefs	sw11_cb_14432
	Transit: 21:41:21 to 21:44:55	
21:44:57	Sushilnoi Island	sw11_cb_14468
	Transit: 21:48:13 to 21:53:27	
21:54:39	Hunter Island	sw11_cb_14581

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References

Harney, J.N., Morris, M., and Harper, J.R. 2008. ShoreZone Coastal Habitat Mapping Protocol for the Gulf of Alaska. Report prepared for The Nature Conservancy, NOAA National Marine Fisheries Service, and the Alaska State Department of Natural Resources (Juneau, AK). 153 p.
http://alaskafisheries.noaa.gov/habitat/shorezone/goa_protocol.pdf

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- NOAA National Marine Fisheries Service
- Prince William Sound Regional Citizens' Advisory Council
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- University of Alaska
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- U.S. National Park Service

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Access and Use Constraints

Protocols for data access and distribution are established by the program partner agencies. Please see www.shorezone.org for a list of partner agencies and related web sites. Video imagery can be viewed and digital stills downloaded online at:
www.alaskafisheries.noaa.gov/maps/szintro.htm

Any hardcopies or published data sets utilizing ShoreZone products shall clearly indicate their source. To ensure distribution of the most current public information or for correct interpretation, contact the ShoreZone project manager at Coastal and Ocean Resources, Inc. At the time of publication, that person is Dr. John Harper.

To effectively and appropriately use ShoreZone data, the user shall refer to the ShoreZone Coastal Habitat Mapping Protocol (2008) available at:
http://alaskafisheries.noaa.gov/habitat/shorezone/goa_protocol.pdf.

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