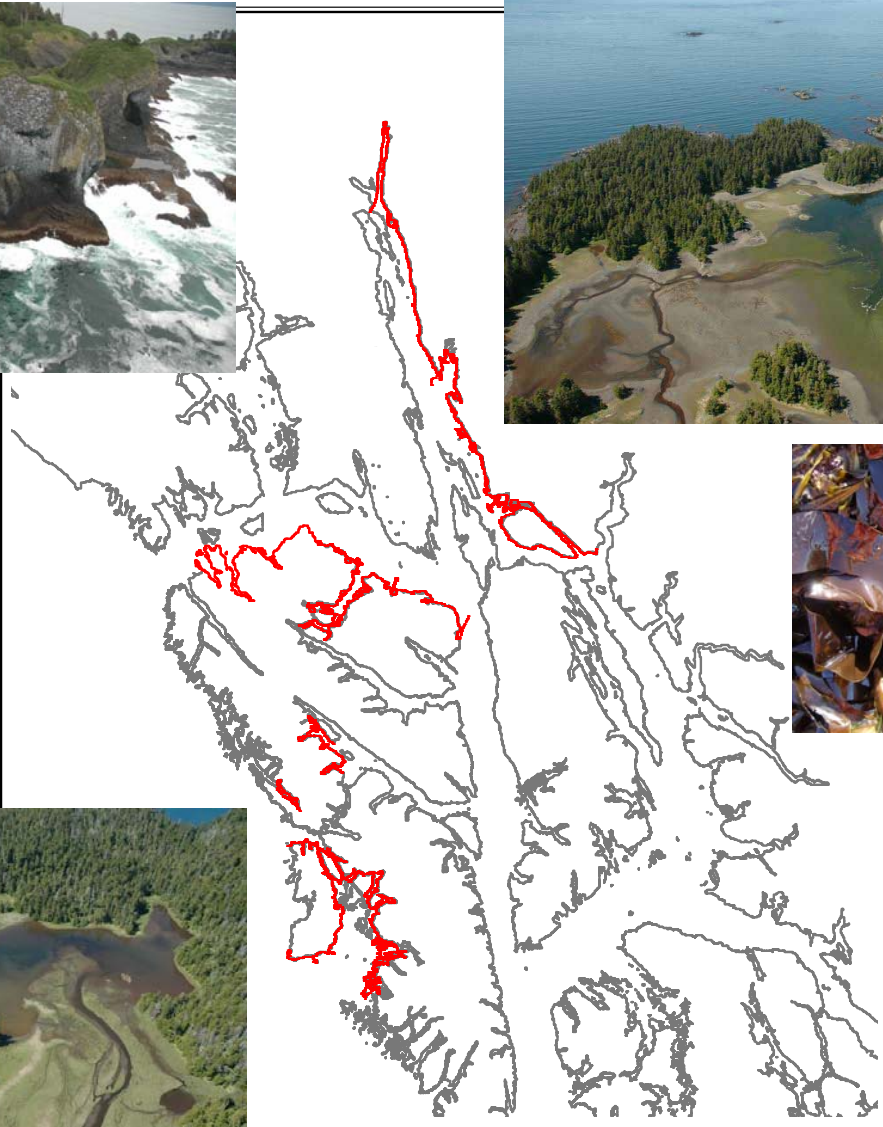


2004 Aerial Video Imaging Survey, Southeast Alaska (3-7th, June 2004)



Prepared for the National Marine Fisheries Service



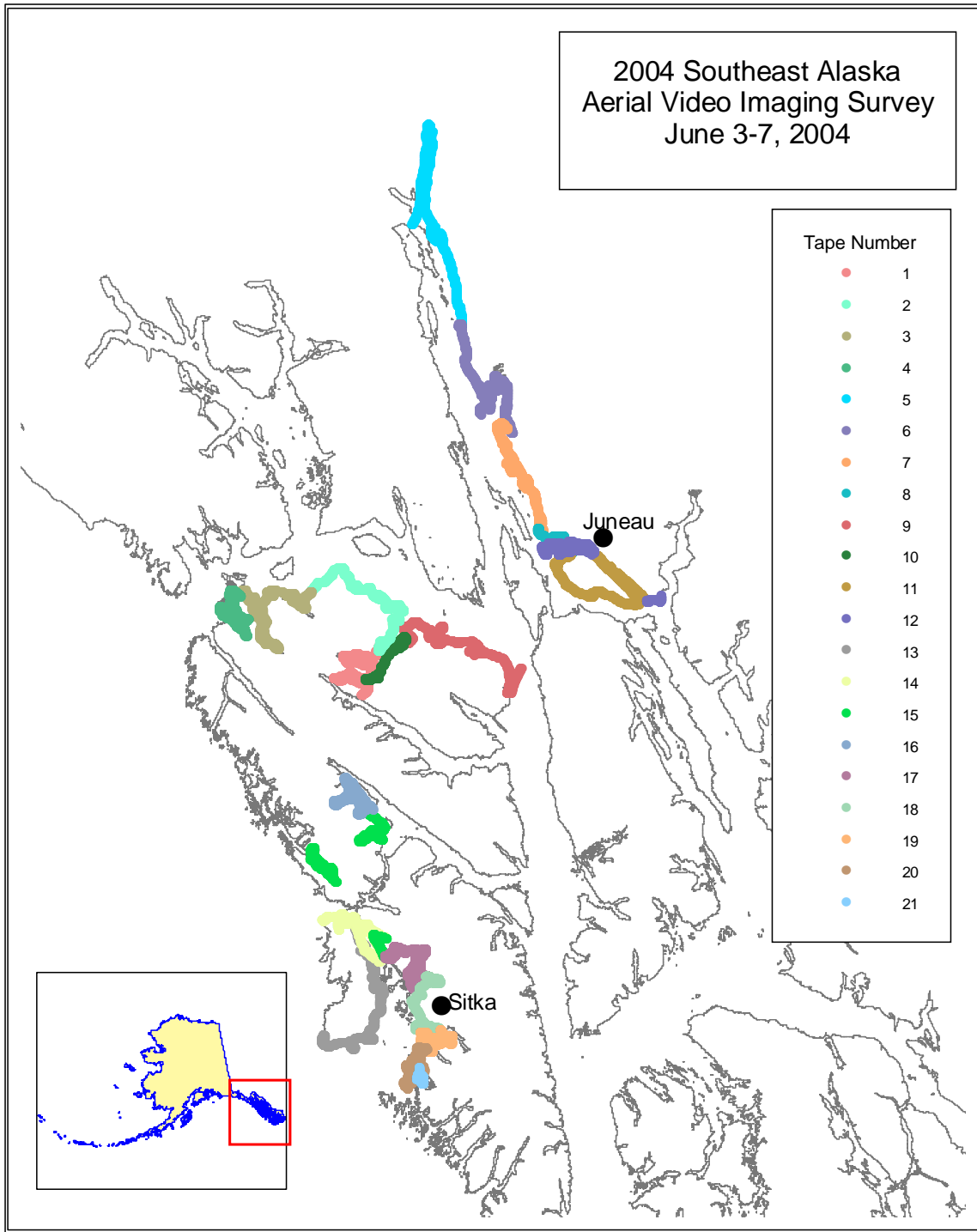


Figure 1. Location of individual tapes from the 2004 Southeast Alaska AVI Survey

This survey combines the use of digital video camera technology with real-time GPS mapping to image the shoreline of three areas in southeast Alaska: Icy Strait, Lynn Canal, and Sitka, at low tide. The unusual features of the survey are: (a) the survey was conducted during the lowest tides of the year so the entire intertidal zone is imaged; (b) the technique is not weather dependent so imagery can be collected in any conditions under which aircraft can fly and; (c) both a coastal ecologist and coastal geomorphologist were in the aircraft providing real-time commentary on intertidal features that may not be visible on the imagery.



The survey was conducted by Coastal & Ocean Resources, Inc. (CORI), of Sidney, BC under contract to the NOAA and National Marine Fisheries Services, located in Juneau Alaska.

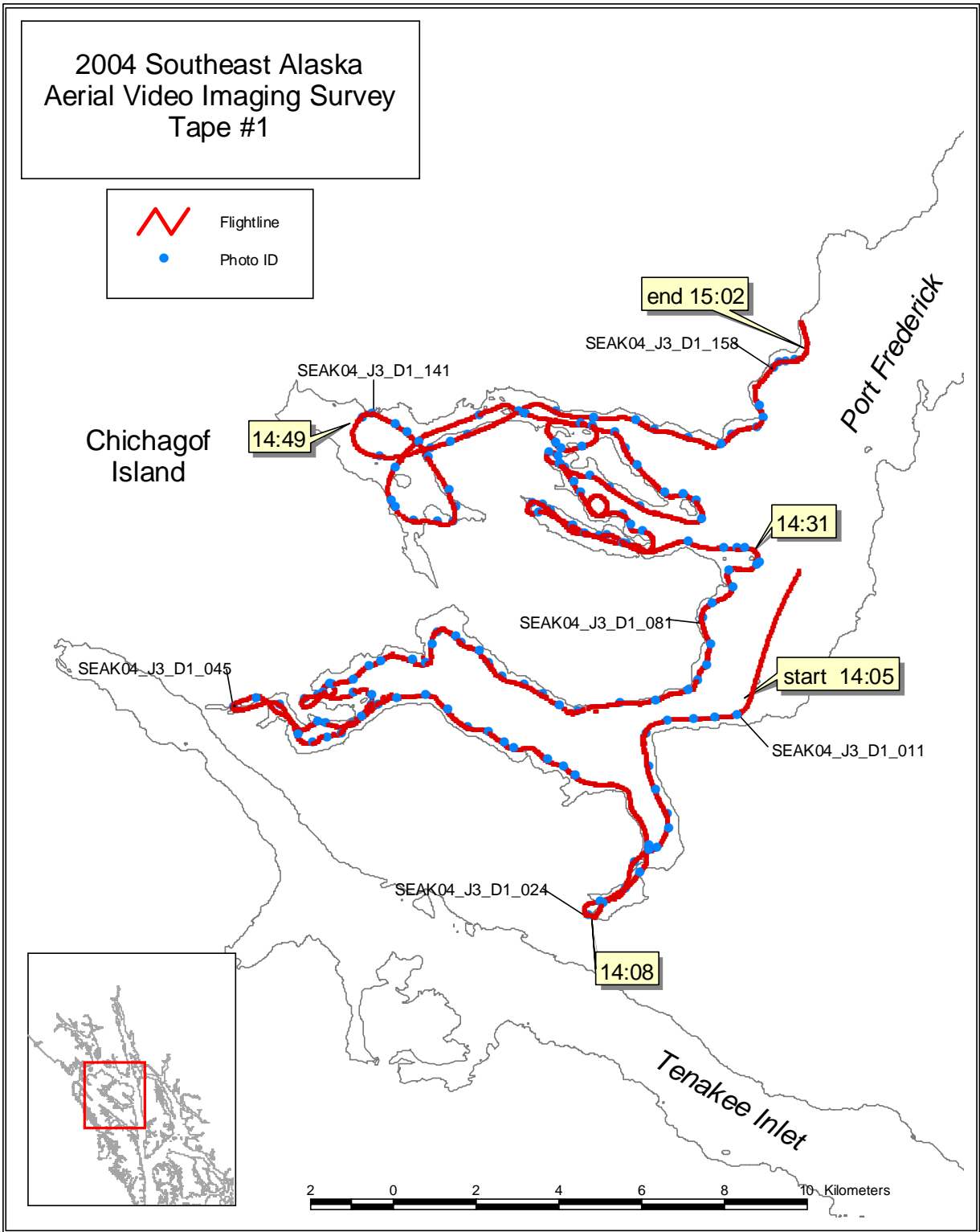
Figure 1 shows the overall flight coverage by tape number. The flight crew names and responsibilities are summarized in Table 1.

Table 1 Southeast Alaska AVI Flight Personnel and Responsibilities,

Function	Individual/ Affiliation	Responsibilities
<i>geomorphologist project leader</i>	John Harper CORI	co-ordination of survey, video imaging, geomorphology commentary, project reporting
<i>coastal ecologist</i>	Mary Morris, Archipelago Marine Resources Mandy Lindeberg, Auke Bay Marine Lab	biology commentary, digital photographs
<i>navigator</i>	Sheri Ward CORI Zach Ferdana The Nature Conservancy	in flight navigation & recording, post-flight track plotting
<i>pilot</i>	Lewis Hart, Coastal Helicopters	

2004 Southeast Alaska
Aerial Video Imaging Survey
Tape #1

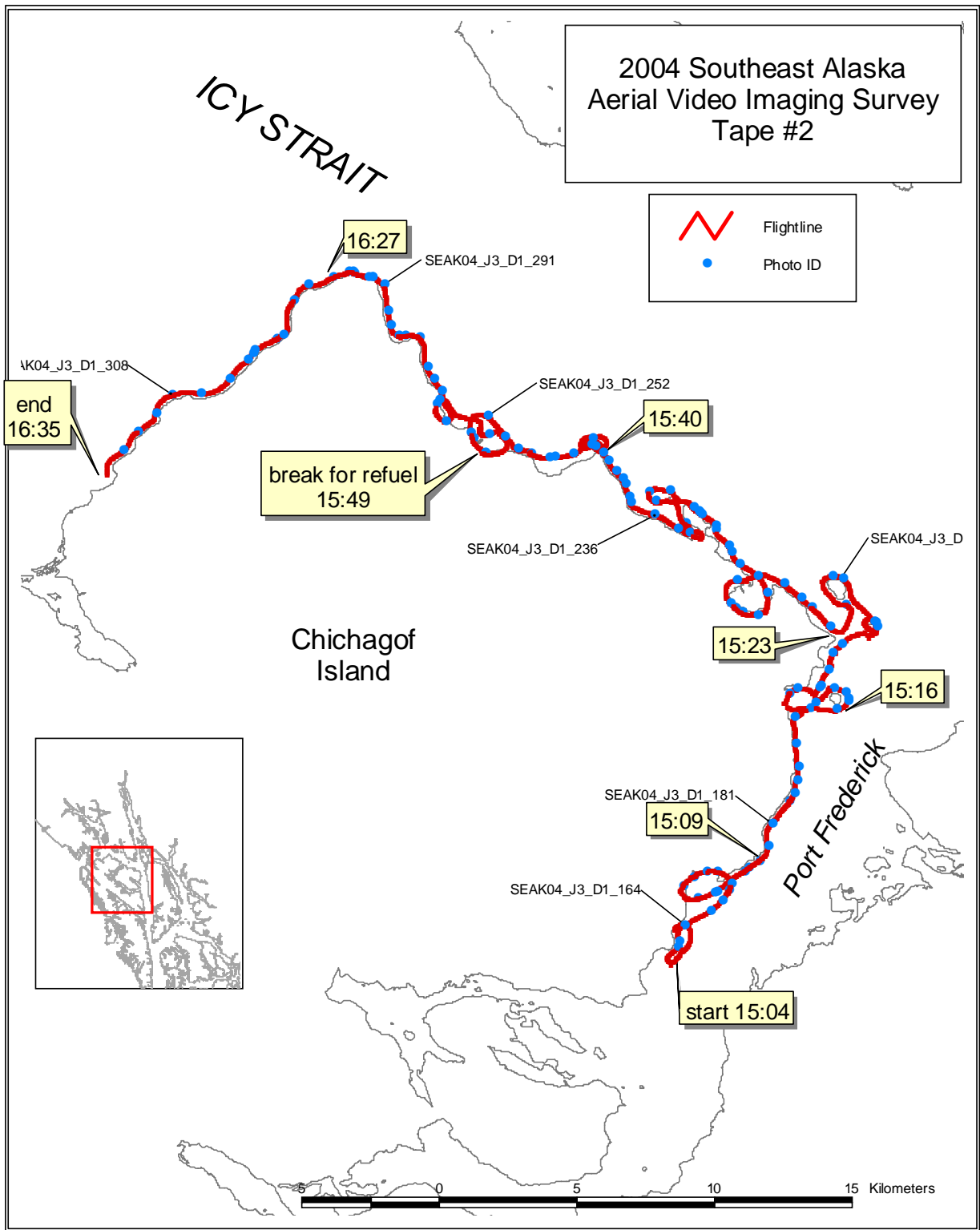
 Flightline
 Photo ID



Southeast Alaska 2004 Aerial Video Imaging Survey

Tape Number: SE_AK 2004-01
General Location: Port Frederick, The Narrows, Neka Bay
Date: June 3, 2004
Time Start: 14:05:00
Time Stop: 15:01:13
Tape Length: 59:05
Weather: Patchy fog Juneau area, clearing to sunny, winds light
Electronic File: jun3_1.trk, jun3_1.txt, navdatav2.mdb

Time (UTC)	Location	Film Frame	Chart	Gazette Page
14:05	East entrance to Narrows	SEAK04_J3_D1_011.JPG	17302	26
14:08	Salt Chuck	SEAK04_J3_D1_024.JPG	"	"
14:18	Portage	SEAK04_J3_D1_045.JPG	"	"
14:25	Eight Fathom Bight	SEAK04_J3_D1_065.JPG	"	32
14:31	Chimney Rock	SEAK04_J3_D1_086.JPG	"	"
14:49	Neka River (estuary)	SEAK04_J3_D1_140.JPG	"	"
15:02	log sort ---end tape 1	SEAK04_J3_D1_160.JPG	"	"



Southeast Alaska 2004 Aerial Video Imaging Survey

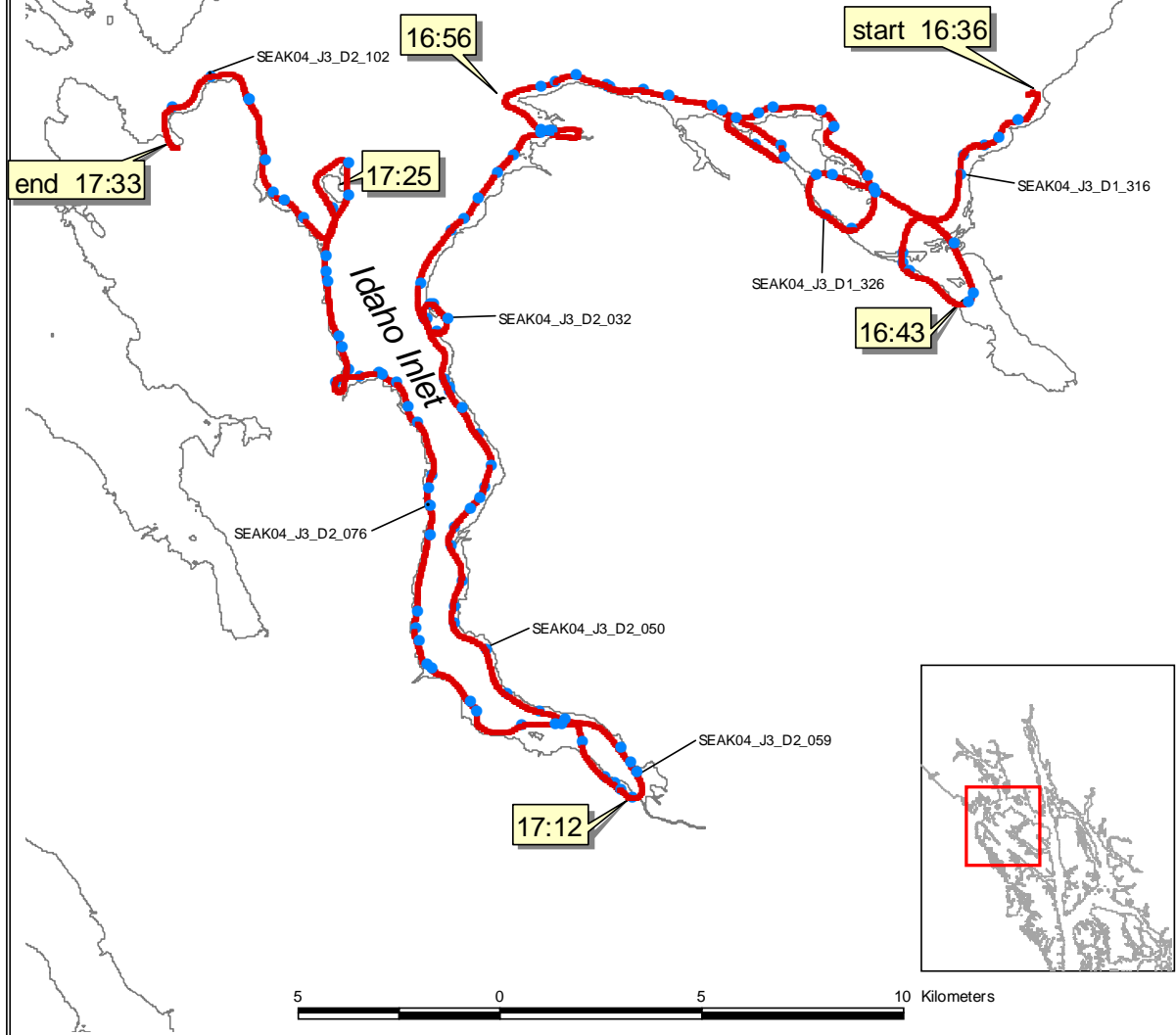
Tape Number: SE_AK 2004-02
General Location: West side Port Frederick, south side of Icy Strait
(west of Pt. Adolphus)
Date: June 3, 2004
Time Start: 15:03:28
Time Stop: 16:35:41
Tape Length: 59:47
Weather: clear, sunny, very light winds
Electronic File: jun3_1.txt, navdatav2.mbd

Time (UTC)	Location	Film Frame	Chart	Gazette Page
15:04:00	Log sort north of Neka Bay	SEAK04_J3_D1_162.JPG	17302	32
15:09	point north of Humpback creek	SEAK04_J3_D1_180.JPG	"	"
15:16	Halibut Island	SEAK04_J3_D1_192.JPG	"	"
15:23	Crist Point	SEAK04_J3_D1_201.JPG	"	"
15:36	Flynn Cove	SEAK04_J3_D1_234.JPG	"	"
15:40	Eagle Point	SEAK04_J3_D1_243.JPG	"	"
15:48	Chicken Creek	SEAK04_J3_D1_252.JPG	"	"
	break for refuel			
16:20	Chicken Creek	SEAK04_J3_D1_253.JPG	"	"
16:27	Point Adolphus	SEAK04_J3_D1_295.JPG	"	"
16:33	point south side Icy strait	SEAK04_J3_D1_308.JPG	"	"
16:35	end of tape 2			

2004 Southeast Alaska
Aerial Video Imaging Survey
Tape #3

Flightline
Photo ID

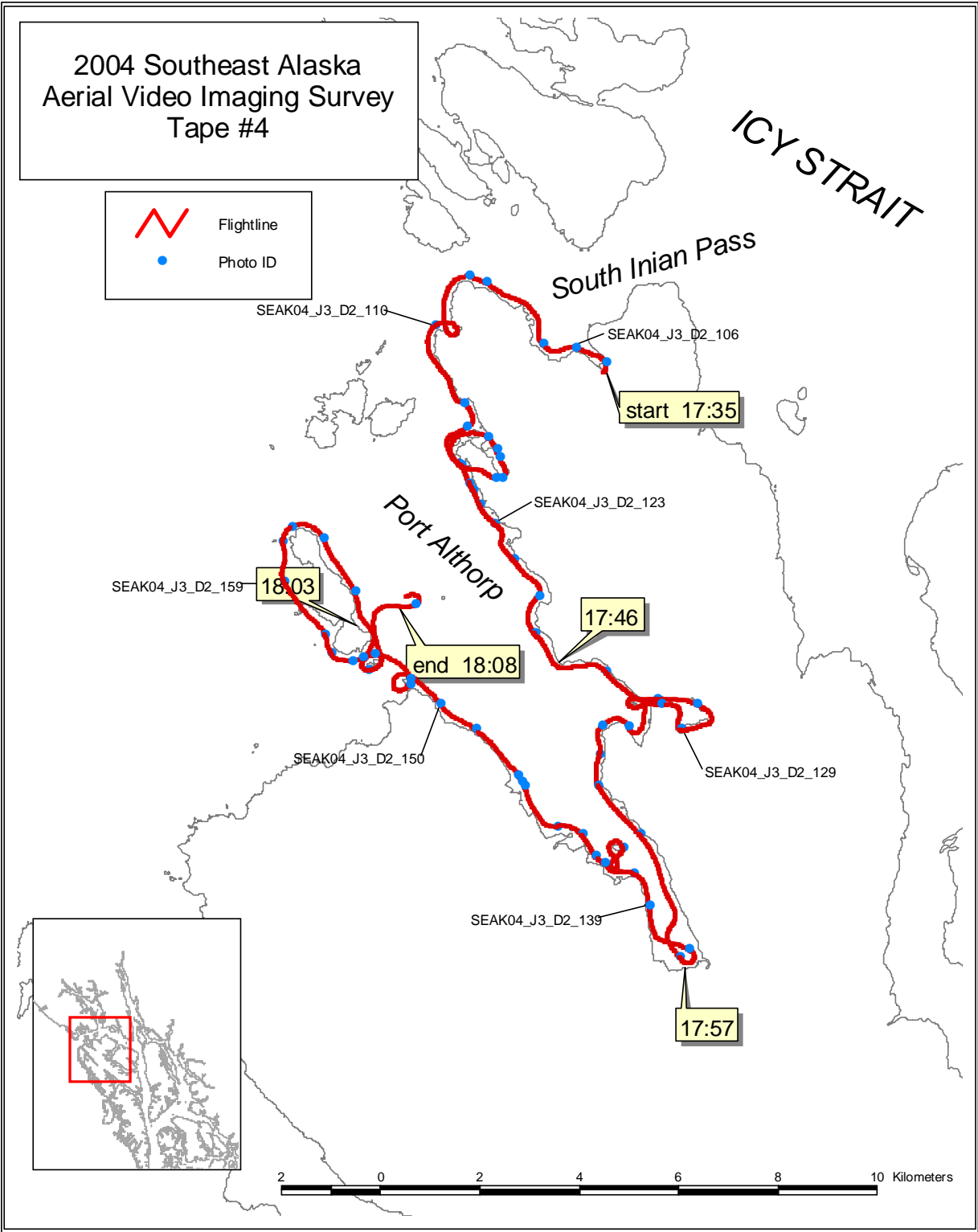
ICY STRAIT



Southeast Alaska 2004 Aerial Video Imaging Survey

Tape Number: SE_AK 2004-03
General Location: Icy Strait, Mud Bay, Idaho Inlet, South Inian Pass
Date: June 3, 2004
Time Start: 16:36:46
Time Stop: 17:32:49
Tape Length: 58:21
Weather: Clear, sunny, 10-15 knot westerly
Electronic File: navdatav2.mbd

Time (UTC)	Location	Film Frame	Chart	Gazette Page
16:36	East of Mud Bay	SEAK_J3_D1_312.jpg	17302	32
16:38	Mud Bay	SEAK_J3_D1_322.jpg	"	"
16:43	Mud Bay River	SEAK_J3_D1_321.jpg	"	"
16:48	Quartz Point	SEAK_J3_D2_001.jpg	"	31
16:56	point E. entrance Idaho Inlet	SEAK_J3_D2_018.jpg	"	"
17:06	E. side Idaho Inlet	SEAK_J3_D2_040.jpg	"	"
17:12	head of Idaho Inlet	SEAK_J3_D2_058.jpg	"	"
17:25	Shaw Island	SEAK_J3_D2_092.jpg	"	"
17:31	east end South Inian Pass	SEAK_J3_D2_102.jpg	"	"
17:33	end of tape 3			



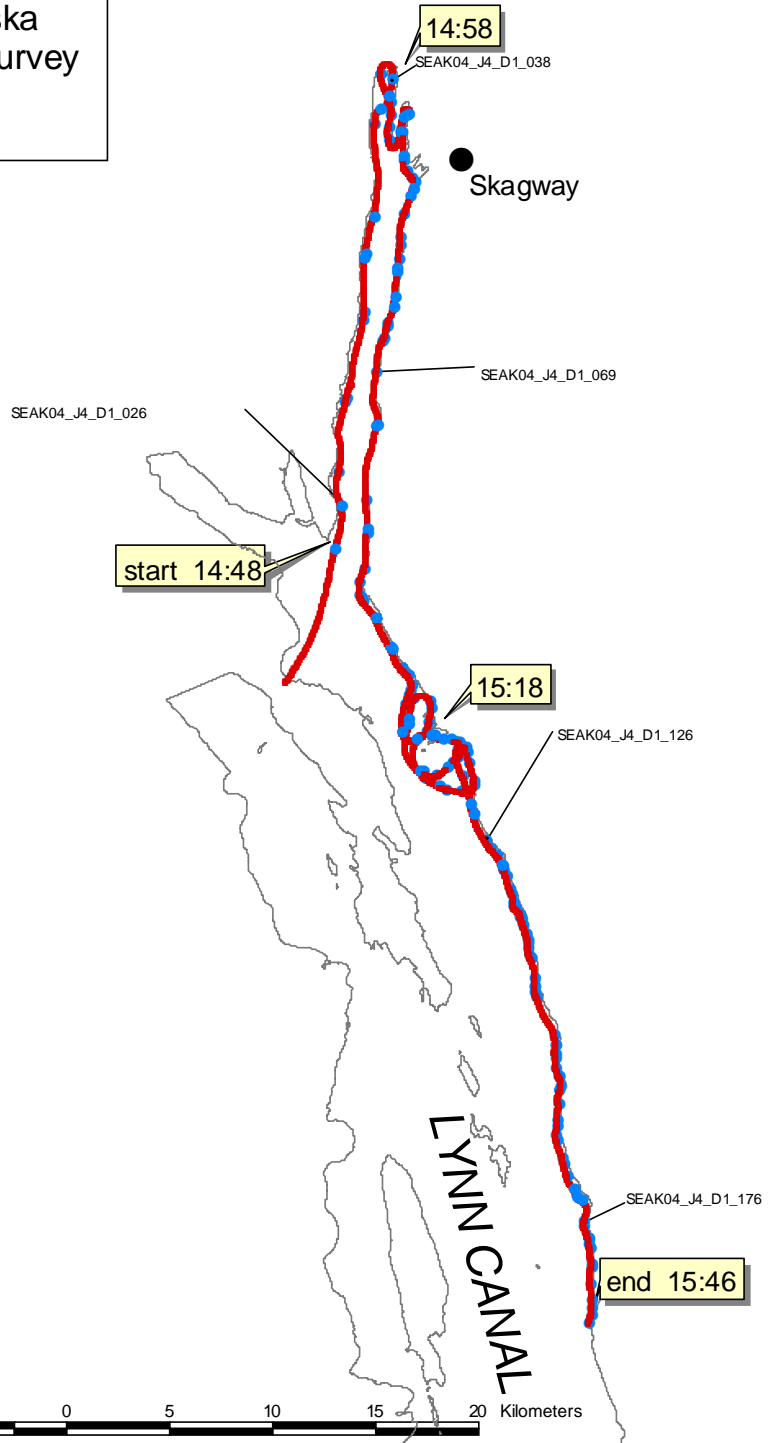
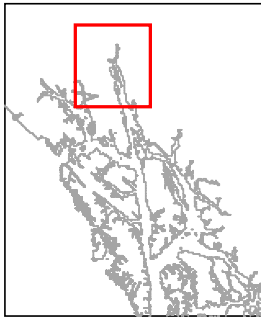
Southeast Alaska 2004 Aerial Video Imaging Survey

Tape Number: SE_AK 2004-04
General Location: South Inian Pass, Port Althorp
Date: June 3, 2004
Time Start: 17:33:52
Time Stop: 18:08:17
Tape Length: 36:33
Weather: Clear, sunny, 10-15 knot westerly
Electronic File: navdatav2.mdb

Time (UTC)	Location	Film Frame	Chart	Gazette Page
17:34	South Inian Pass	SEAK_J3_D2_105.jpg	17302	31
17:36	Point Lavinia	SEAK_J3_D2_109.jpg	"	"
17:46	Port Althorp, opposite Pt.Lucan	SEAK_J3_D2_126.jpg	"	"
17:57	head of Port Althorp	SEAK_J3_D2_137.jpg	"	"
18:03	Three Hill Island	SEAK_J3_D2_155.jpg	"	"
18:08	Althorp Rock ---end tape 4	SEAK_J3_D2_164.jpg	"	"

2004 Southeast Alaska
Aerial Video Imaging Survey
Tape #5

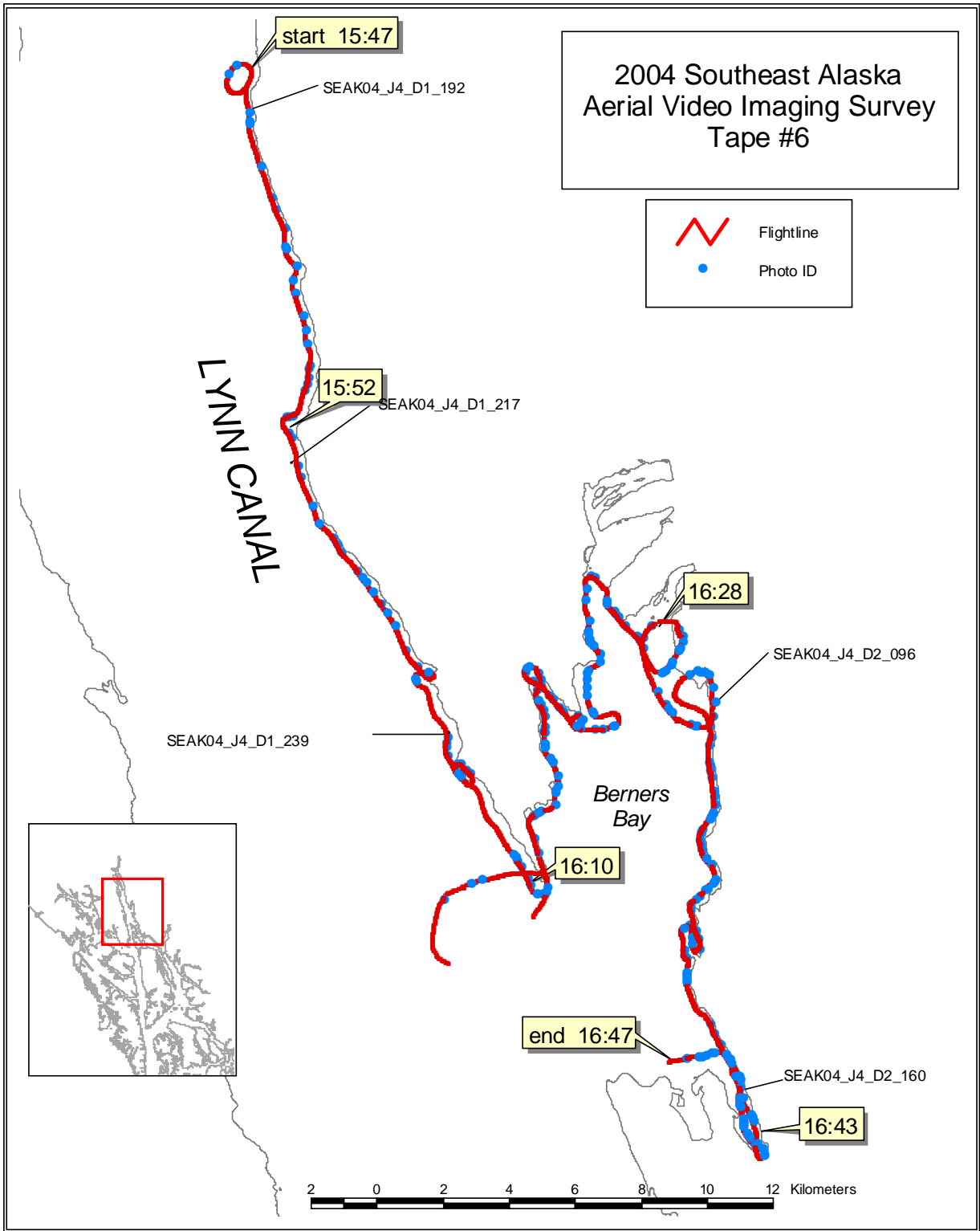
 Flightline
 Photo ID



Southeast Alaska 2004 Aerial Video Imaging Survey

Tape Number: SE_AK 2004-05
General Location: Taiya Inlet, north Lynn Canal
Date: June 4 , 2004
Time Start: 14:48:32
Time Stop: 15:45:59
Tape Length: 59:49
Weather: clear, northwesterly 15-20 knots
Electronic File: jun4_5.TRK, jun4_5.txt, navdatav2.mdb

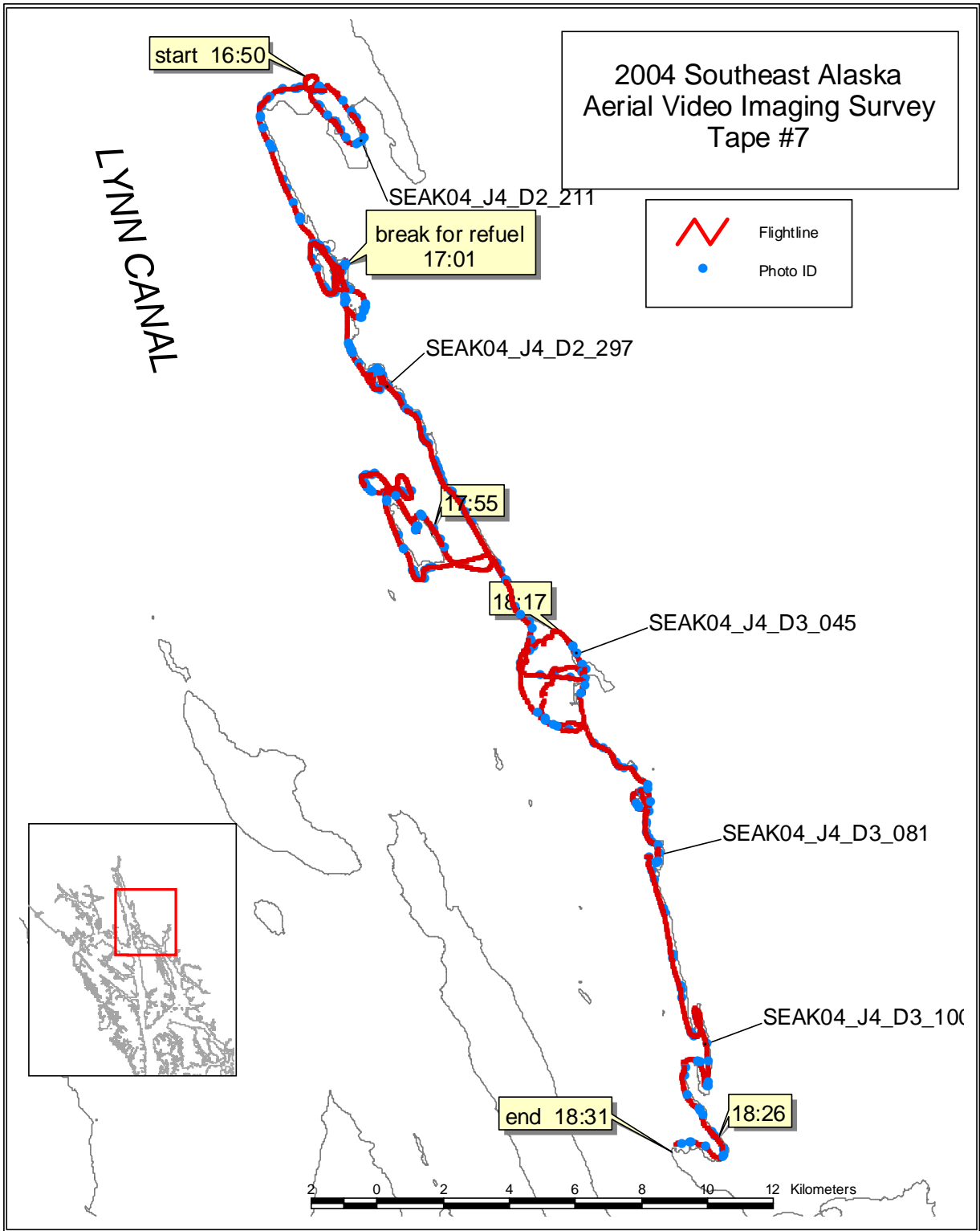
Time (UTC)	Location	Film Frame	Chart	Gazette Page
14:48	West side Taiya Inlet	SEAK04_J4_D1_026.JPG	17317	38
14:58	head of Taiya Inlet	SEAK04_J4_D1_038.JPG	"	"
15:05	Skagway	SEAK04_J4_D1_052.JPG	"	"
15:18	Katzehin delta	SEAK04_J4_D1_098.JPG	"	"
15:44	opposite Eldred Rock	SEAK04_J4_D1_183.JPG	"	32
15:46	end tape 5			



Southeast Alaska 2004 Aerial Video Imaging Survey

Tape Number: SE_AK 2004-06
General Location: East side Lynn Canal
Date: June 4, 2004
Time Start: 15:47:06
Time Stop: 16:47:27
Tape Length: 1:00:00
Weather: clear,northwesterly 20knots
Electronic File: jun4_6.TRK, jun4_6.txt, navdatav2.mdb

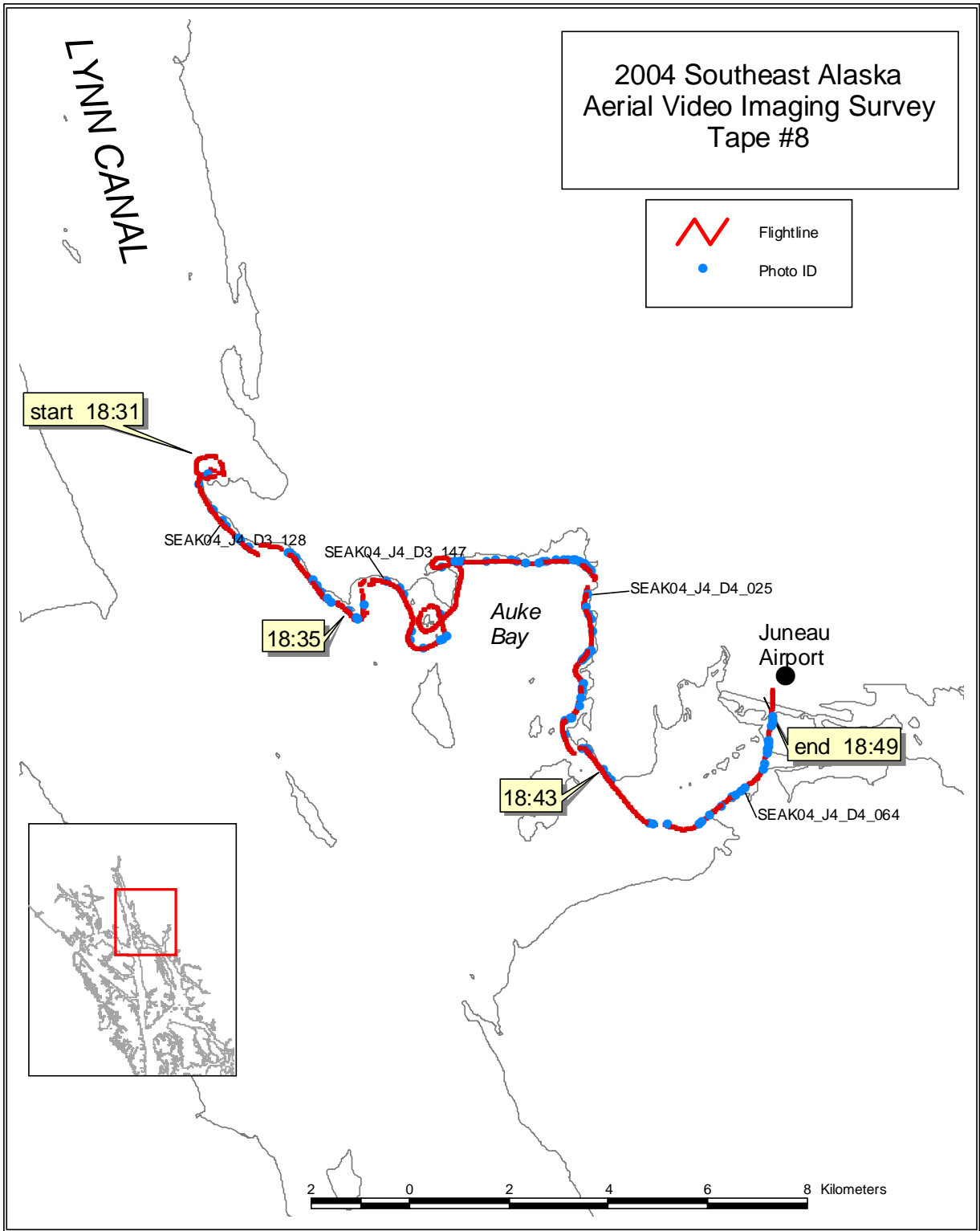
Time (UTC)	Location	Film Frame	Chart	Gazette Page
15:47	East side Lynn Canal	SEAK04_J4_D1_191.JPG	17316	32
15:52	Point Sherman	SEAK04_J4_D1_212.JPG	"	"
16:10	Point St. Mary	SEAK04_J4_D1_265.JPG	"	"
16:16	Slate Creek	SEAK04_J4_D2_030.JPG	"	"
16:28	Berners Bay	SEAK04_J4_D2_064.JPG	"	"
16:43	Echo Cove	SEAK04_J4_D2_169.JPG	"	"
16:47	end tape 6	SEAK04_J4_D2_196.JPG		



Southeast Alaska 2004 Aerial Video Imaging Survey

Tape Number: SE_AK 2004-07
General Location: Echo Cove, Point Bridget to Lena Cove
Date: June 4, 2004
Time Start: 16:48:40
Time Stop: 18:30:40
Tape Length: 59:58
Weather: clear to high overcast
Electronic File: jun4_7.TRK, jun4_7.txt, navdatav2.mdb

Time (UTC)	Location	Film Frame	Chart	Gazette Page
16:50	Cowee Creek	SEAK04_J4_D2_210.JPG	17316	32
16:54	Mab Island	SEAK04_J4_D2_263.JPG	"	"
17:01	break for refuel			
17:47	Bridget Cove	SEAK04_J4_D2_251.JPG	"	"
17:55	Benjamin Island	SEAK04_J4_D3_001.JPG	"	"
18:17	Amalga Harbour	SEAK04_J4_D3_057.JPG	"	"
18:26	Lena Cove	SEAK04_J4_D3_115.JPG	"	"
18:31	end tape 7	SEAK04_J4_D3_123.JPG	"	"



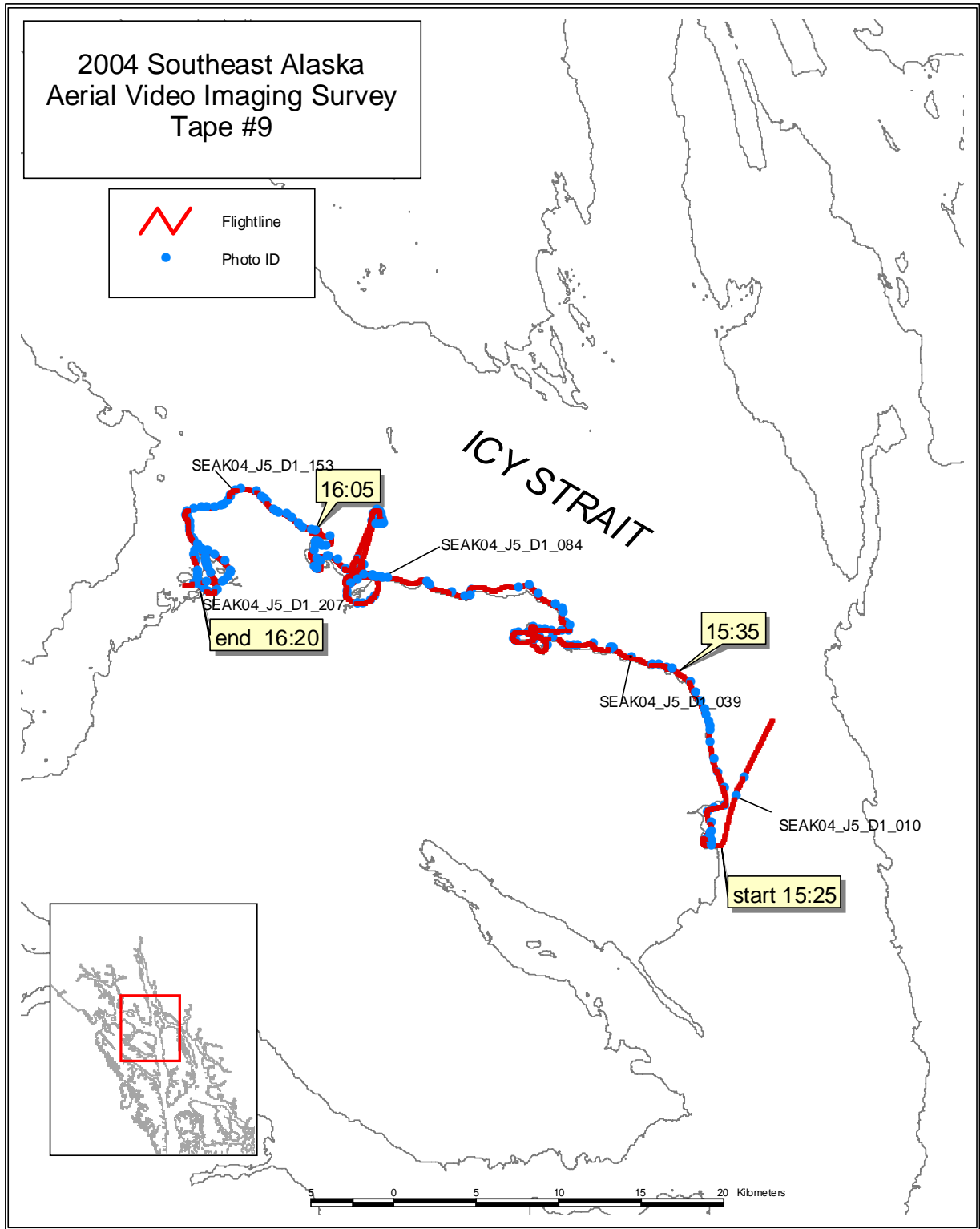
Southeast Alaska 2004 Aerial Video Imaging Survey

Tape Number: SE_AK 2004-08
General Location: Auke Bay, Mendenhall delta
Date: June 4, 2004
Time Start: 18:31:32
Time Stop: 18:49:26
Tape Length: 20:11
Weather: high overcast
Electronic File: jun5_8.TRK, jun5_8.txt, navdatav2.mdb

Time (UTC)	Location	Film Frame	Chart	Gazette Page
18:31	Lena Cove	SEAK04_J4_D3_125.JPG	17316	32
18:35	Pt Louisa	SEAK04_J4_D3_143.JPG	"	"
18:43	Fritz Cove	SEAK04_J4_D4_049.JPG	"	"
18:45	Mendenhall delta	SEAK04_J4_D4_060.JPG	"	"
18:48	end tape 8	SEAK04_J4_D4_075.JPG	"	"

2004 Southeast Alaska
Aerial Video Imaging Survey
Tape #9

- Flightline
- Photo ID



Southeast Alaska 2004 Aerial Video Imaging Survey

Tape Number: SE_AK 2004-09
General Location: False Bay, Chatham & Icy Straits
Date: June 5, 2004
Time Start: 15:24:43 imagery time not synched, 27 seconds behind GPS
Time Stop: 16:20:21
Tape Length: 55:38
Weather: Overcast, light rain, winds light to moderate
Electronic File: jun5_9.TRK, jun5_9.txt, navdatav2.mdb

Time (UTC)	Location	Film Frame	Chart	Gazette Page
15:25	False Bay	SEAK04_J5_D1_011.JPG	17300	27
15:35	Point Augusta	SEAK04_J5_D1_034.JPG	"	32
16:05	Neck Point	SEAK04_J5_D1_138.JPG	"	"
16:10	Cannery Point	SEAK04_J5_D1_162.JPG	17302	"
16:20	end tape 9	SEAK04_J5_D1_199.JPG	"	"

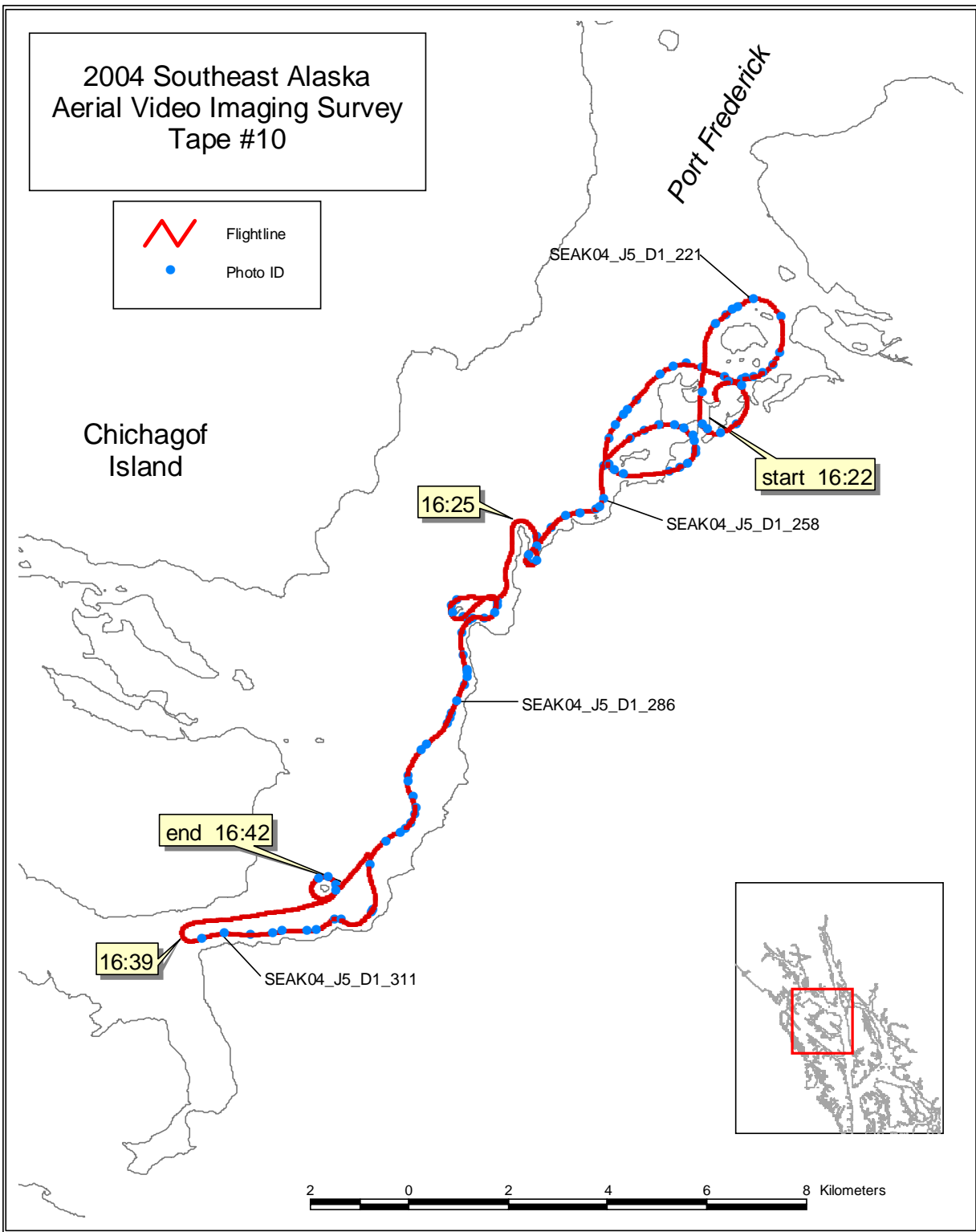
2004 Southeast Alaska
Aerial Video Imaging Survey
Tape #10



Flightline



Photo ID



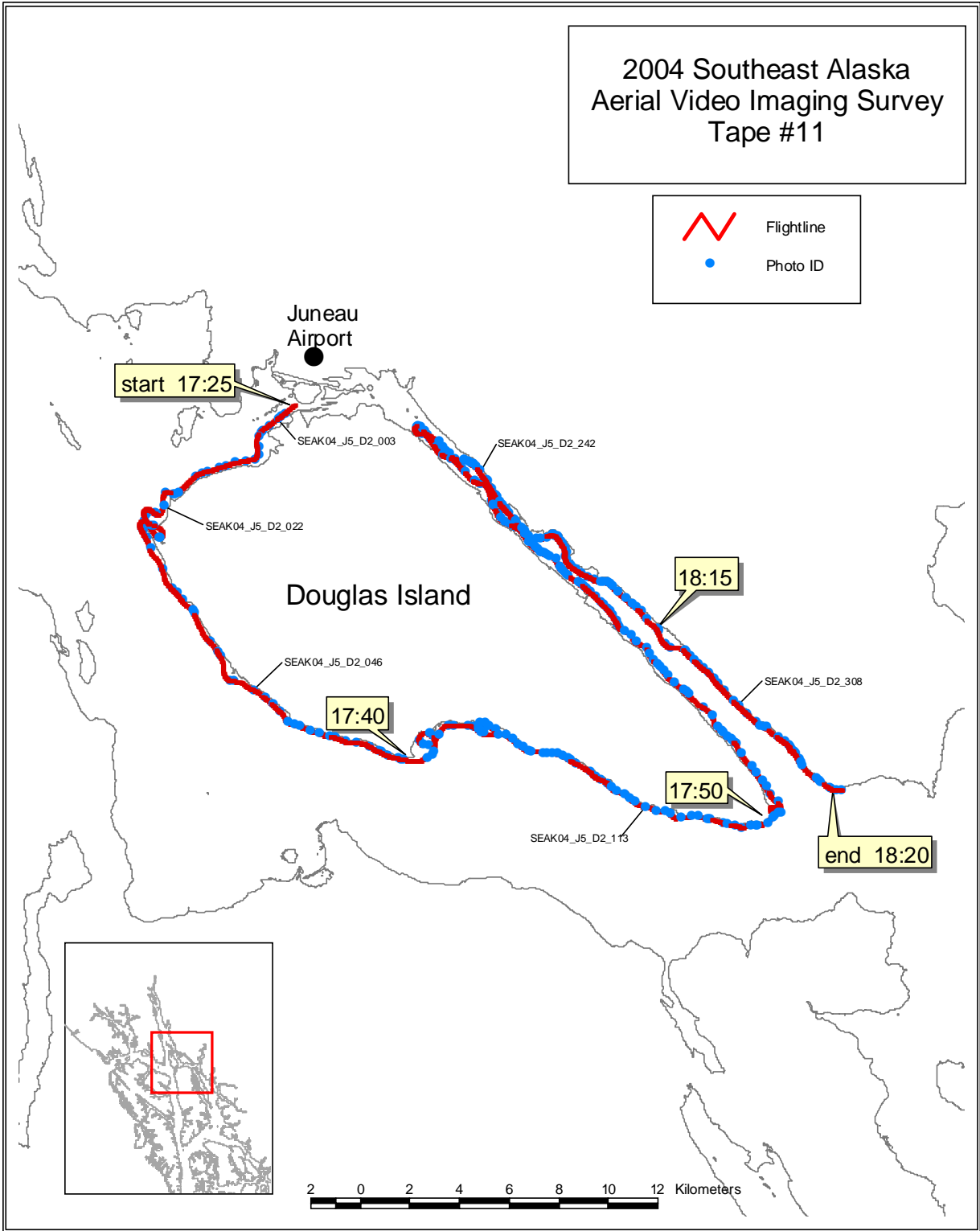
Southeast Alaska 2004 Aerial Video Imaging Survey

Tape Number: SE_AK 2004-10
General Location: Port Frederick,
Date: June 5, 2004
Time Start: 16:21:43 imagery time not synched, 27 seconds behind GPS
Time Stop: 16:42:17
Tape Length: 20:34
Weather:
Electronic File: jun5_10.TRK, jun5_10.txt, navdatav2.mdb

Time (UTC)	Location	Film Frame	Chart	Gazette Page
16:25	north of Burnt Point	SEAK04_J5_D1_275.JPG	17302	32
16:39	the Narrows, Port Frederick	SEAK04_J5_D1_310.JPG		
16:42	Midway Island; tape end	SEAK04_J5_D1_316.JPG	"	26

2004 Southeast Alaska
Aerial Video Imaging Survey
Tape #11

Flightline
Photo ID



Southeast Alaska 2004 Aerial Video Imaging Survey

Tape Number: SE_AK 2004-11
General Location: Mendenhall Delta, Douglas Island, Gastineau Channel
Date: June 5, 2004
Time Start: 17:24:37
Time Stop: 18:21:13
Tape Length: 56:36
Weather:
Electronic File: jun5_11.TRK, jun5_11.txt, navdatav2.mdb

Time (UTC)	Location	Film Frame	Chart	Gazette Page
17:25	Mendenhall delta	SEAK04_J5_D2_001.JPG	17315	33
17:30	Outer Point, Douglas Island	SEAK04_J5_D2_030.JPG	"	"
17:40	Point Hilda	SEAK04_J5_D2_066.JPG		
17:50	Tantallon Point	SEAK04_J5_D2_132.JPG	"	"
18:15	Thane	SEAK04_J5_D2_295.JPG	"	"
18:20	Pt. Salisbury---end tape 11	SEAK04_J5_D2_330.JPG		"

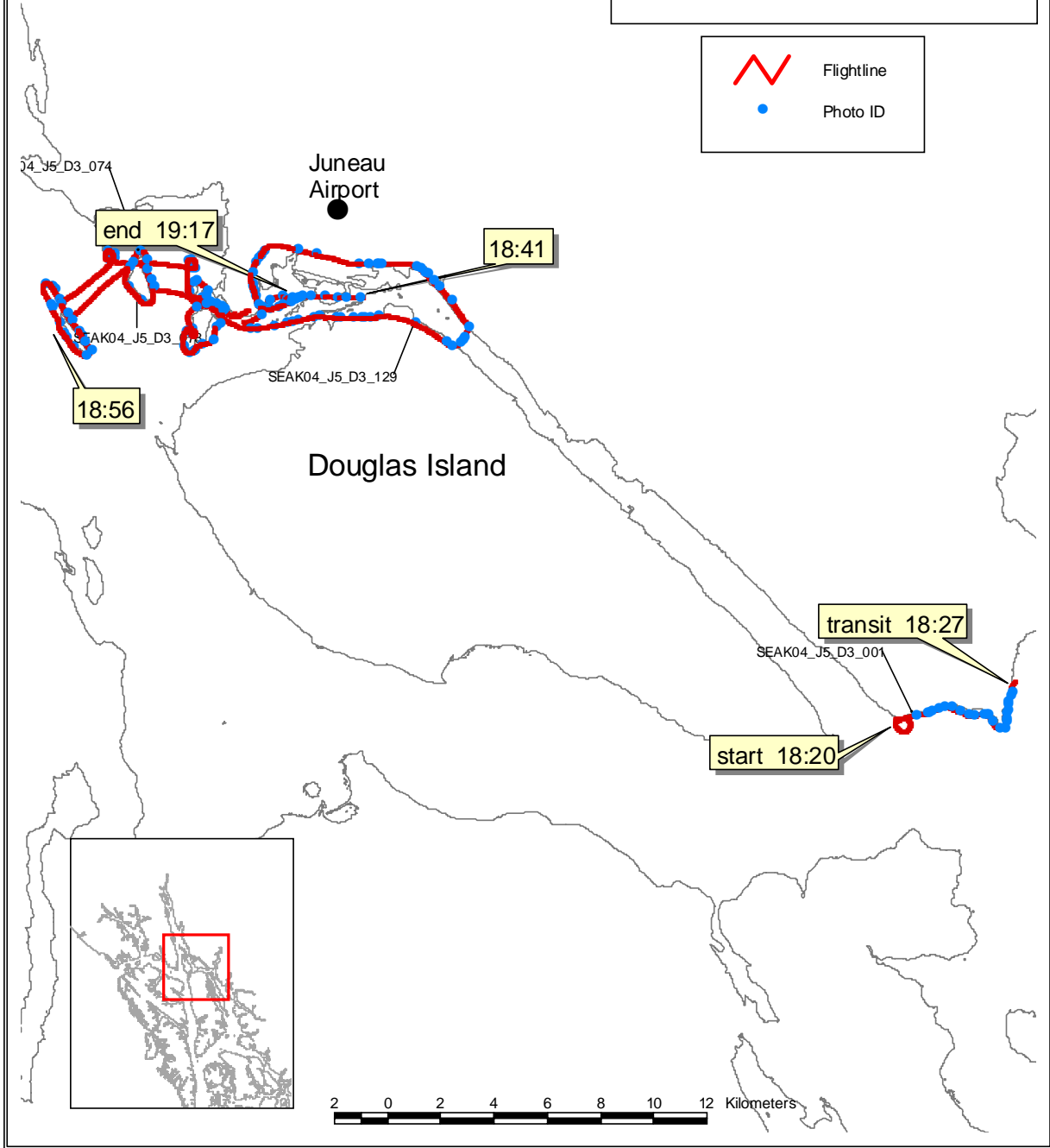
2004 Southeast Alaska
Aerial Video Imaging Survey
Tape #12



Flightline



Photo ID



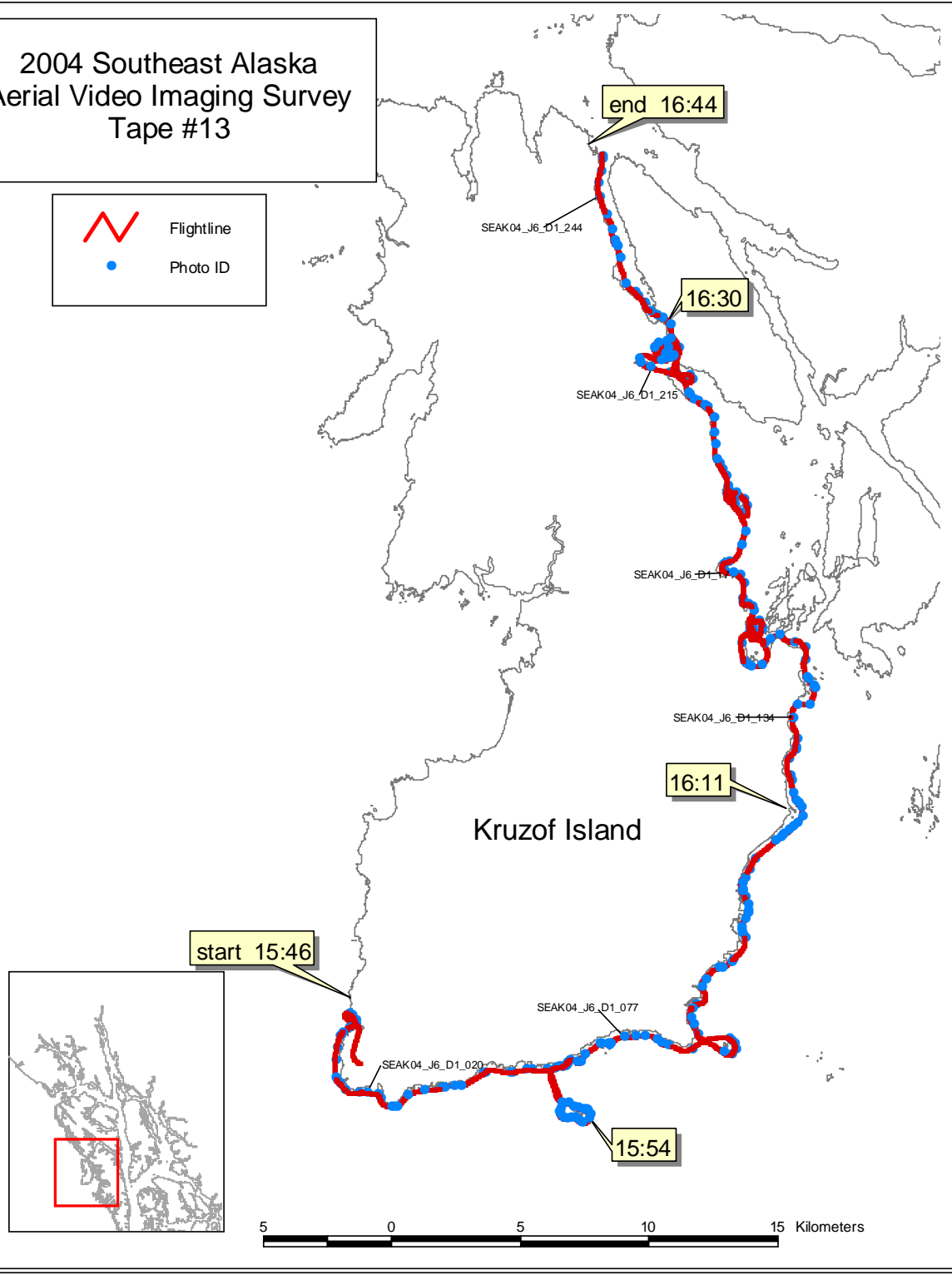
Southeast Alaska 2004 Aerial Video Imaging Survey

Tape Number: SE_AK 2004-12
General Location: Gastineau Channel, Portland Island
Date: June 5, 2004
Time Start: 18:22:17 lost 14 minutes on recorder, ok on camera
Time Stop: 19:17:33
Tape Length: 00:00
Weather:
Electronic File: jun5_12.TRK, jun5_12.txt, navdatav2.mdb

Time (UTC)	Location	Film Frame	Chart	Gazette Page
18:20	Gastineau Channel	SEAK04_J5_D3_001.JPG	17315	33
18:27	Bishop Point	SEAK04_J5_D3_024.JPG	"	"
	break,transit		"	"
18:47	Spuhn Island	SEAK04_J5_D3_061.JPG	"	32/33
19:17	Juneau Airport/Mendenhall Delta	SEAK04_J5_D3_160.JPG		

2004 Southeast Alaska
Aerial Video Imaging Survey
Tape #13

Flightline
Photo ID



Southeast Alaska 2004 Aerial Video Imaging Survey

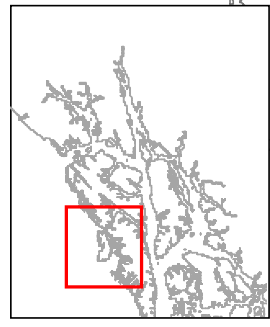
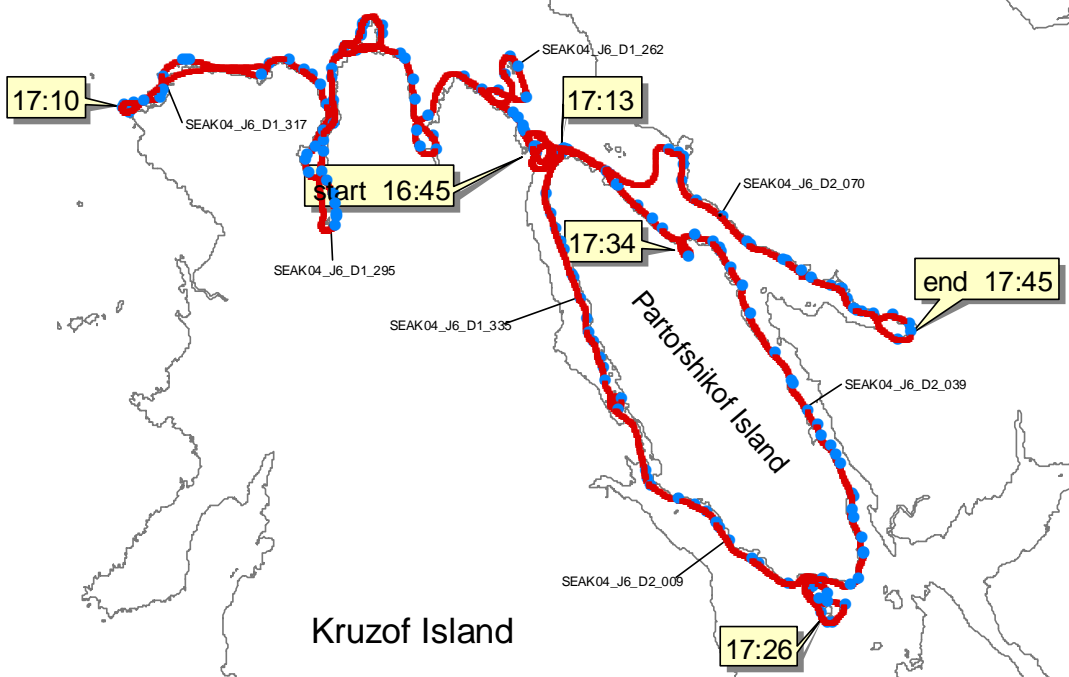
Tape Number: SE_AK 2004-13
General Location: Kruzof Island
Date: June 6, 2004
Time Start: 15:46:06
Time Stop: 16:43:56
Tape Length: 1:00:36
Weather: High overcast, occasional light rain, clearing
Electronic File: 6jun_13.TRK, 6jun_13.txt, navdatav2.mdb

Time (UTC)	Location	Film Frame	Chart	Gazette Page
15:46	Cape Edgecumbe	SEAK04_J6_D1_001.JPG	17325	26
15:54	St. Lazaria Island	SEAK04_J6_D1_040.JPG	"	"
16:11	Inner Point	SEAK04_J6_D1_123.JPG	17324	27
16:30	Sukoi Inlet	SEAK04_J6_D1_220.JPG	"	26
16:44	Sukoi Point---end tape 13	SEAK04_J6_D1_248.JPG	"	"

2004 Southeast Alaska
Aerial Video Imaging Survey
Tape #14

Flightline
Photo ID

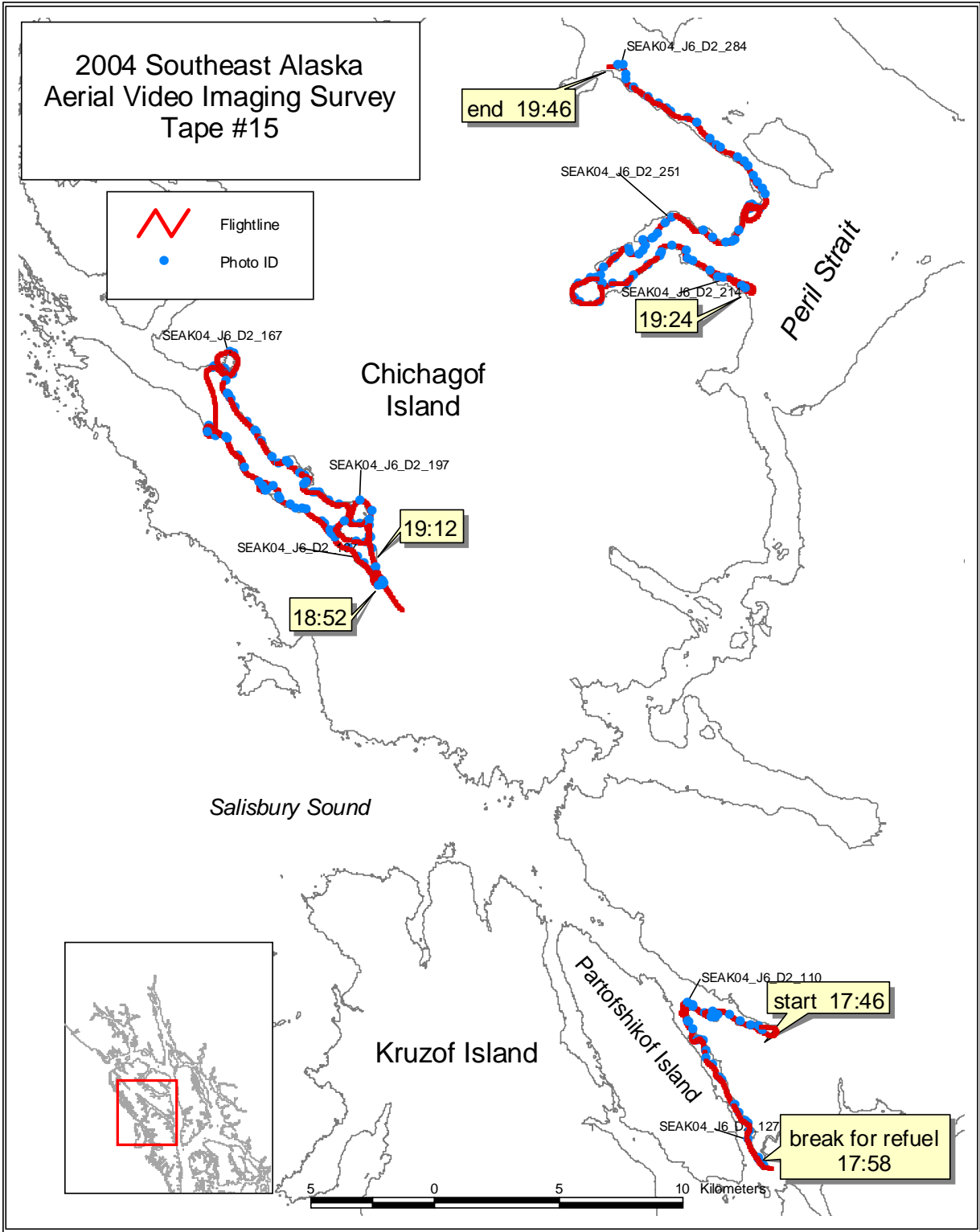
Salisbury Sound



Southeast Alaska 2004 Aerial Video Imaging Survey

Tape Number: SE_AK 2004-14
General Location: North end Kruzof Is. Partofshikof Is., St John Baptist Bay
Date: June 6, 2004
Time Start: 16:44:55
Time Stop: 17:45:57
Tape Length: 57:37
Weather: Clearing, Light northwesterly
Electronic File: 6jun_14.TRK, 6jun_14.txt, navdatav2.mdb

Time (UTC)	Location	Film Frame	Chart	Gazette Page
16:45	Sukoi Point	SEAK04_J6_D1_254.JPG	17323	26
17:05	Kalinin Point	SEAK04_J6_D1_311.JPG	"	"
17:10	Cape Georgiana	SEAK04_J6_D1_326.JPG	"	"
17:13	Hayward Point	SEAK04_J6_D1_328.JPG	17324	"
17:26	Partof Point	SEAK04_J6_D2_025.JPG	"	27
17:34	Gilmer Cove	SEAK04_J6_D2_050.JPG	"	26
17:45	Head of St. John Baptist Bay	SEAK04_J6_D2_087.JPG	"	27
	end tape 14	SEAK04_J6_D2_087.JPG		





Southeast Alaska 2004 Aerial Video Imaging Survey

Tape Number: SE_AK 2004-15
General Location: St. John Baptist Bay, Neva Strait, Slocum Arm
Date: June 6 , 2004
Time Start: 17:46:42
Time Stop: 19:44:10
Tape Length: 55:40
Weather: Clearing, patchy cloud
Electronic File: 6jun_15.TRK, 6jun_15.txt, navdatav2.mdb

Time (UTC)	Location	Film Frame	Chart	Gazette Page
17:46	Head St. John Baptist Bay	SEAK04_J6_D2_087.JPG	17324	27
17:52	Entrance Island	SEAK04_J6_D2_116.JPG	"	26
17:58	Neva Point	SEAK04_J6_D2_130.JPG	"	27
	break for refuel Sitka		"	
18:52	Head Slocum Arm	SEAK04_J6_D2_133.JPG	17323	26
19:12	Head Slocum Arm	SEAK04_J6_D2_206.JPG	"	"
	transit to Peril strait			
19:24	Point Marie	SEAK04_J6_D2_212.JPG	"	27
19:35	Ushk Point	SEAK04_J6_D2_256.JPG	"	26
19:46	Fick Cove --- end of tape 15	SEAK04_J6_D2_285.JPG	"	"

2004 Southeast Alaska
Aerial Video Imaging Survey
Tape #16

 Flightline
 Photo ID

Chichagof
Island

Hoonah
Sound

20:10

SEAK04_J6_D3_028

SEAK04_J6_D3_041

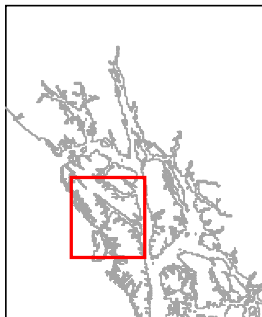
19:56

SEAK04_J6_D2_310

end 20:18

SEAK04_J6_D2_289

start 19:47



2 0 2 4 6 8 10 12 Kilometers

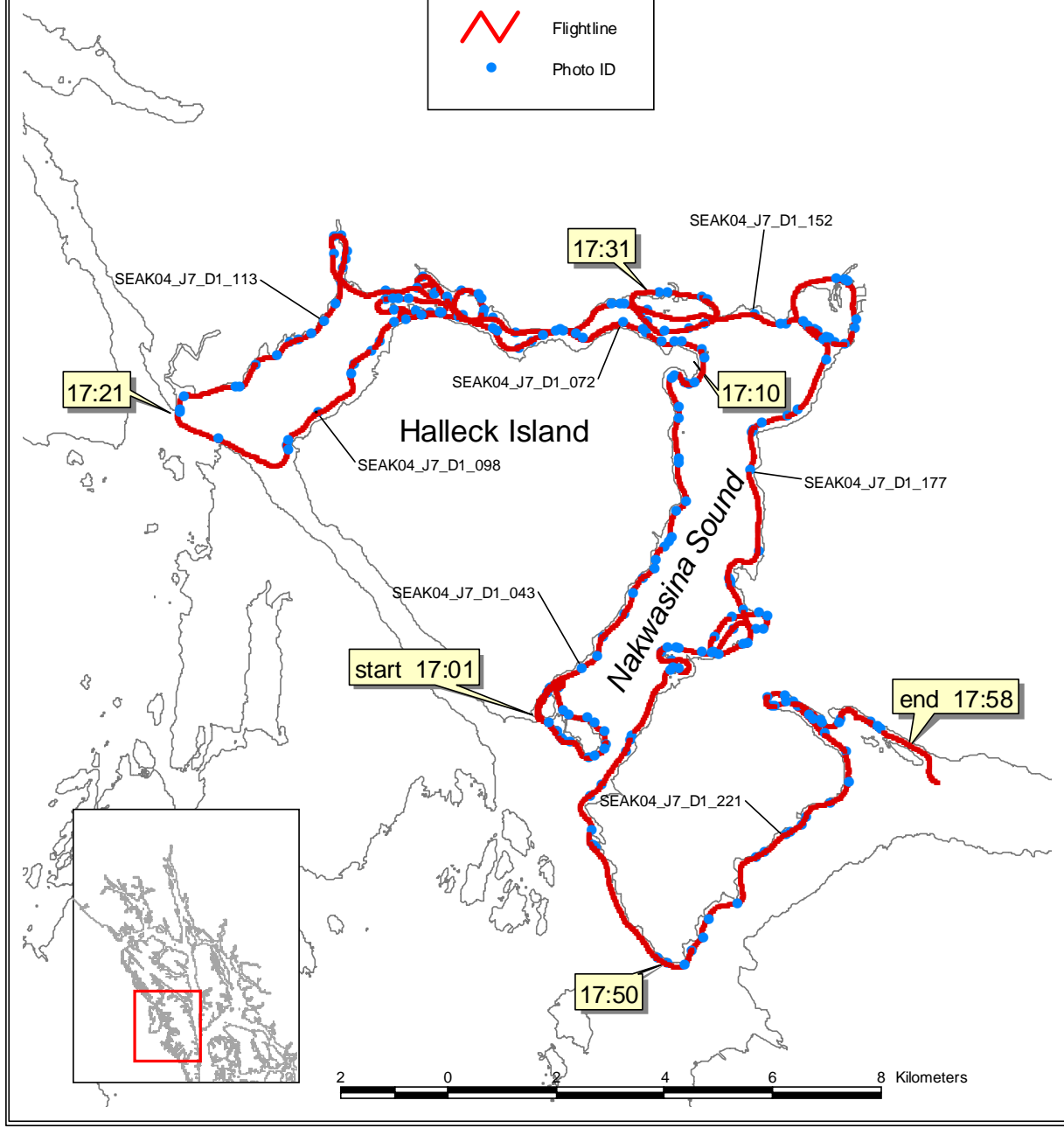
Southeast Alaska 2004 Aerial Video Imaging Survey

Tape Number: SE_AK 2004-16
General Location: South Arm Hoonah Sound
Date: June 6, 2004
Time Start: 19:45:29
Time Stop: 20:18:24
Tape Length: 34:58
Weather: Clear
Electronic File: 6jun_16.TRK, 6jun_16.txt, navdatav2.mdb

Time (UTC)	Location	Film Frame	Chart	Gazette Page
19:47	Fick Cove	SEAK04_J6_D2_285.JPG	17323	26
19:56	Head Patterson Bay	SEAK04_J6_D2_318.JPG	"	"
20:10	Head Douglas Bay	SEAK04_J6_D3_025.JPG	"	"
20:18	White Cliff Point	SEAK04_J6_D2_055.JPG	"	"
	end of tape 16			

2004 Southeast Alaska
Aerial Video Imaging Survey
Tape #17

Flightline
Photo ID



Southeast Alaska 2004 Aerial Video Imaging Survey

Tape Number: SE_AK 2004-17
General Location: Nakwasina Sound, Nakwasina Passage, Katlian Bay
Date: June 7, 2004
Time Start: 17:01:54
Time Stop: 17:57:29
Tape Length: 55:35
Weather: Fog, clearing from north
Electronic File: 7jun_17.TRK, 7jun_17.txt, navdatav2.mdb

Time (UTC)	Location	Film Frame	Chart	Gazette Page
17:01	Krugloi Point	SEAK04_J7_D1_065.JPG	17324	27
17:10	Allen Point	SEAK04_J7_D1_028.JPG	"	
17:21	Neva Point	SEAK04_J7_D1_106.JPG	"	
17:31	Nakwasina Passage/River	SEAK04_J7_D1_168.JPG	"	
17:50	Lisianski Point	SEAK04_J7_D1_212.JPG	"	"
17:55	Cedar Cove	SEAK04_J7_D1_233.JPG	"	"
17:58		SEAK04_J7_D1_242.JPG		

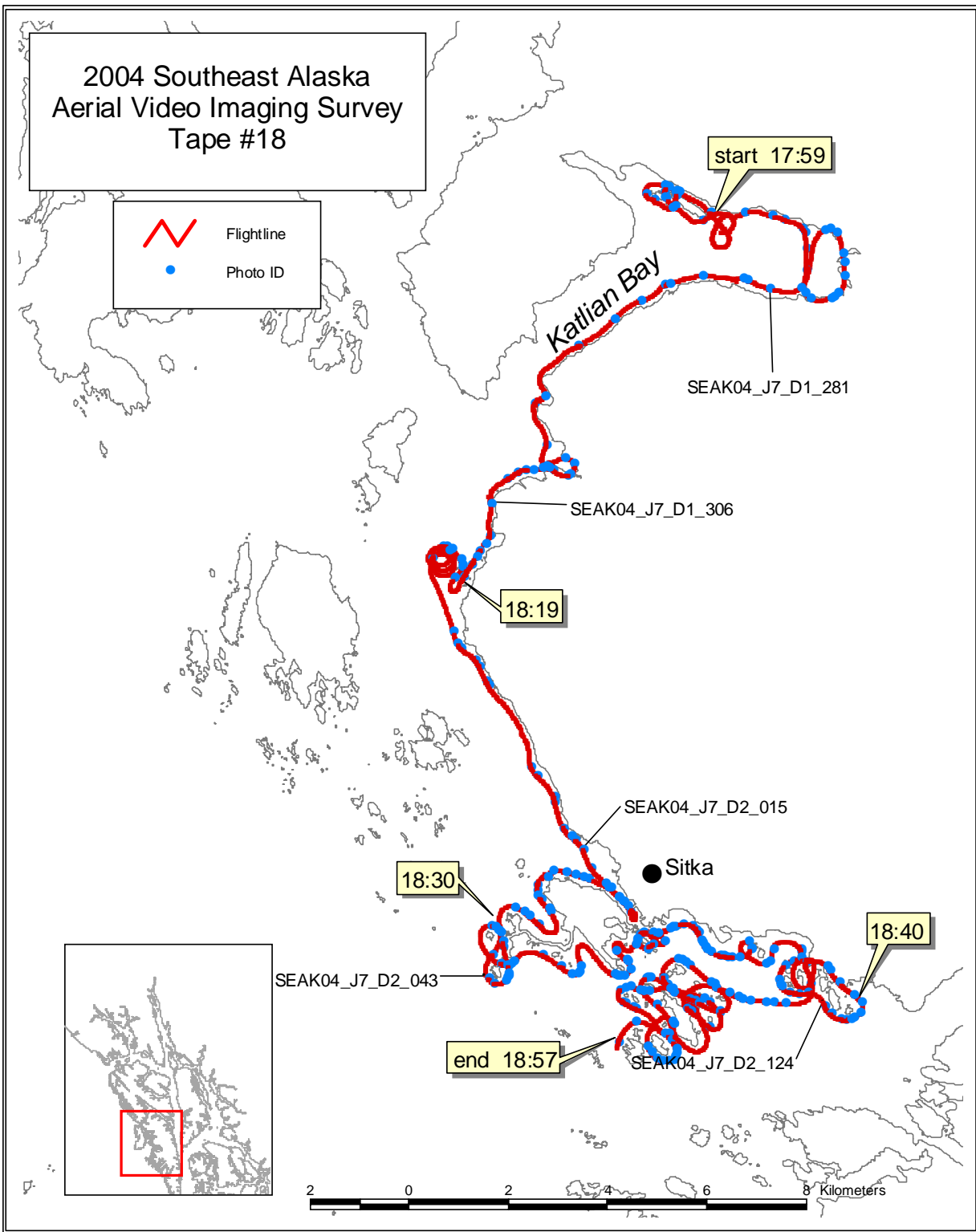
2004 Southeast Alaska
Aerial Video Imaging Survey
Tape #18



Flightline



Photo ID



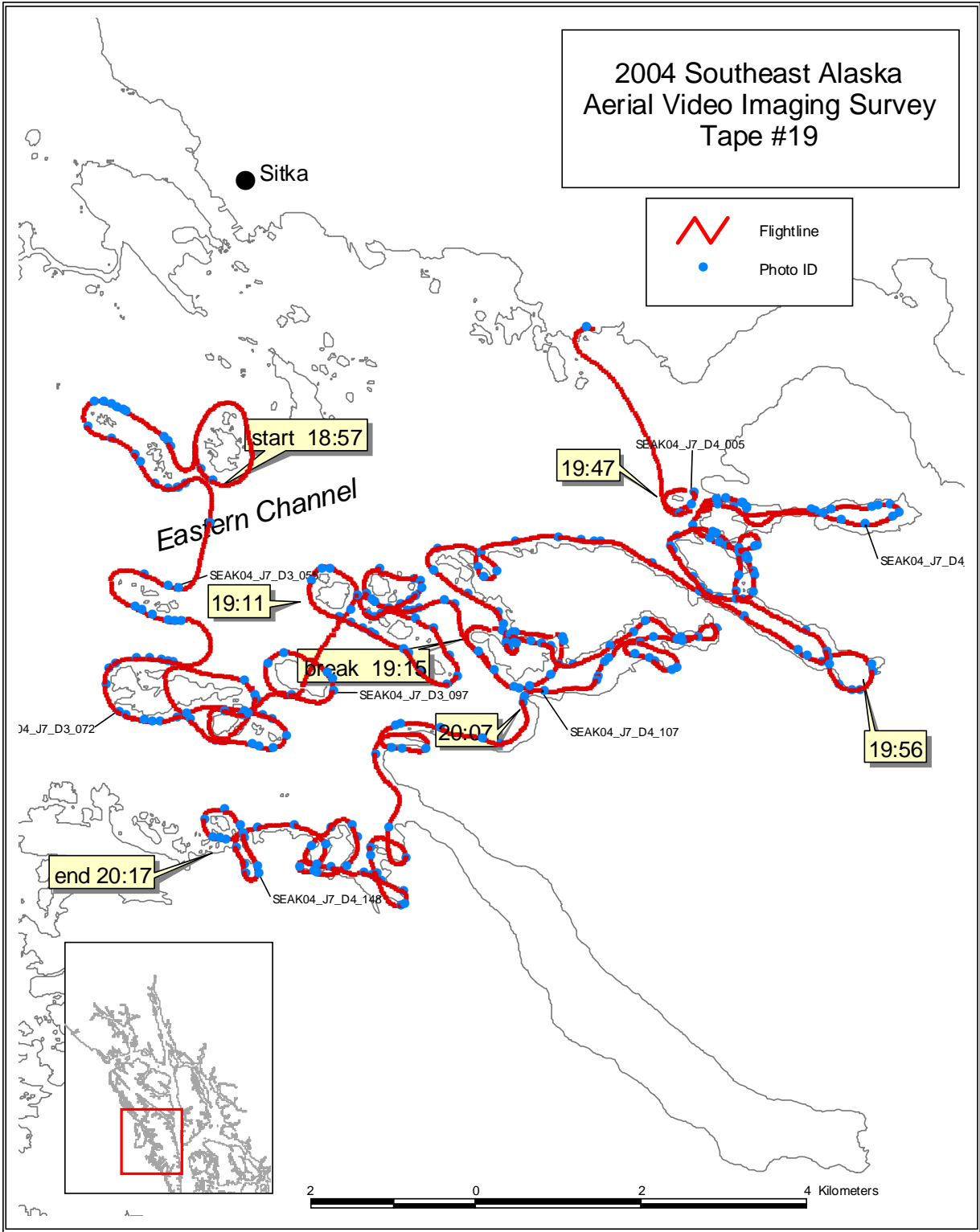
Southeast Alaska 2004 Aerial Video Imaging Survey

Tape Number: SE_AK 2004-18
General Location: Katlian Bay, Sitka, Islands in Middle Channel
Date: June 7, 2004
Time Start: 17:59:01
Time Stop: 18:55:39
Tape Length: 54:08
Weather: Sunny, v. light winds
Electronic File: 7jun_18.TRK, 7jun_18.txt, navdatav2.mdb

Time (UTC)	Location	Film Frame	Chart	Gazette Page
17:59	Katlian Bay, east point of island	SEAK04_J7_D1_245.JPG	17324	27
18:03	Katlian River	SEAK04_J7_D1_279.JPG	"	"
18:19	Halibut Point	SEAK04_J7_2_001.JPG	"	"
18:23	Sitka waterfront	SEAK04_J7_D2_015.JPG	17323	"
18:30	Group of islands off Sitka Airport	SEAK04_J7_D2_043.JPG	"	"
18:40	Harris Island	SEAK04_J7_D2_124.JPG	"	"
18:50	Islands at Sitka	SEAK04_J7_D2_168.JPG	"	"
18:57	Bamdoroshni Island; end tape	SEAK04_J7_D3_010.JPG	"	"

2004 Southeast Alaska Aerial Video Imaging Survey Tape #19

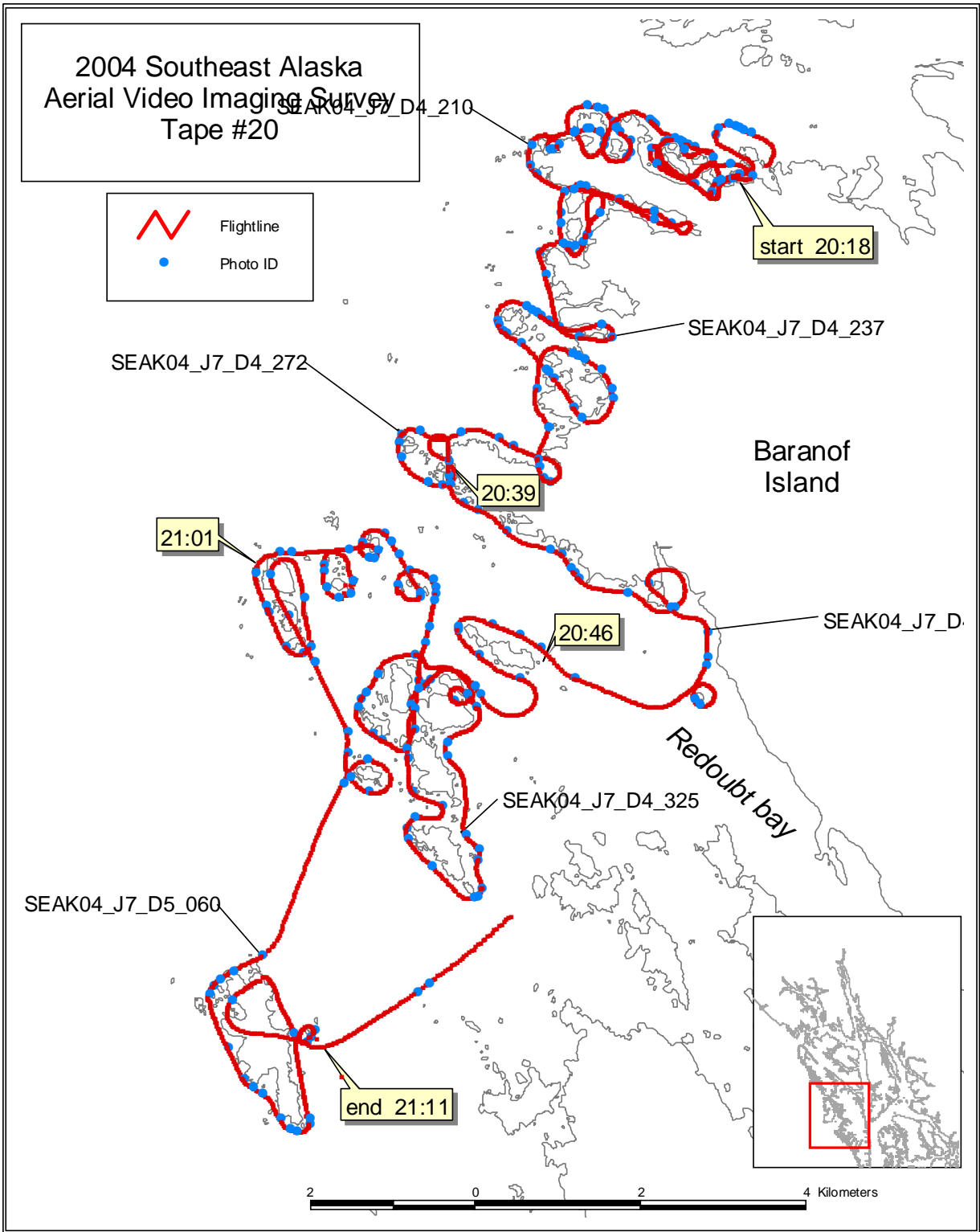
Flightline
Photo ID



Southeast Alaska 2004 Aerial Video Imaging Survey

Tape Number: SE_AK 2004-19
General Location: Sitka, Aleutkina Bay,
Date: June 7, 2004
Time Start: 18:55:39
Time Stop: 20:16:39
Tape Length:
Weather: Sunny, v. light winds
Electronic File: 7jun_19.TRK, 7jun_19.txt, navdatav2.mdb

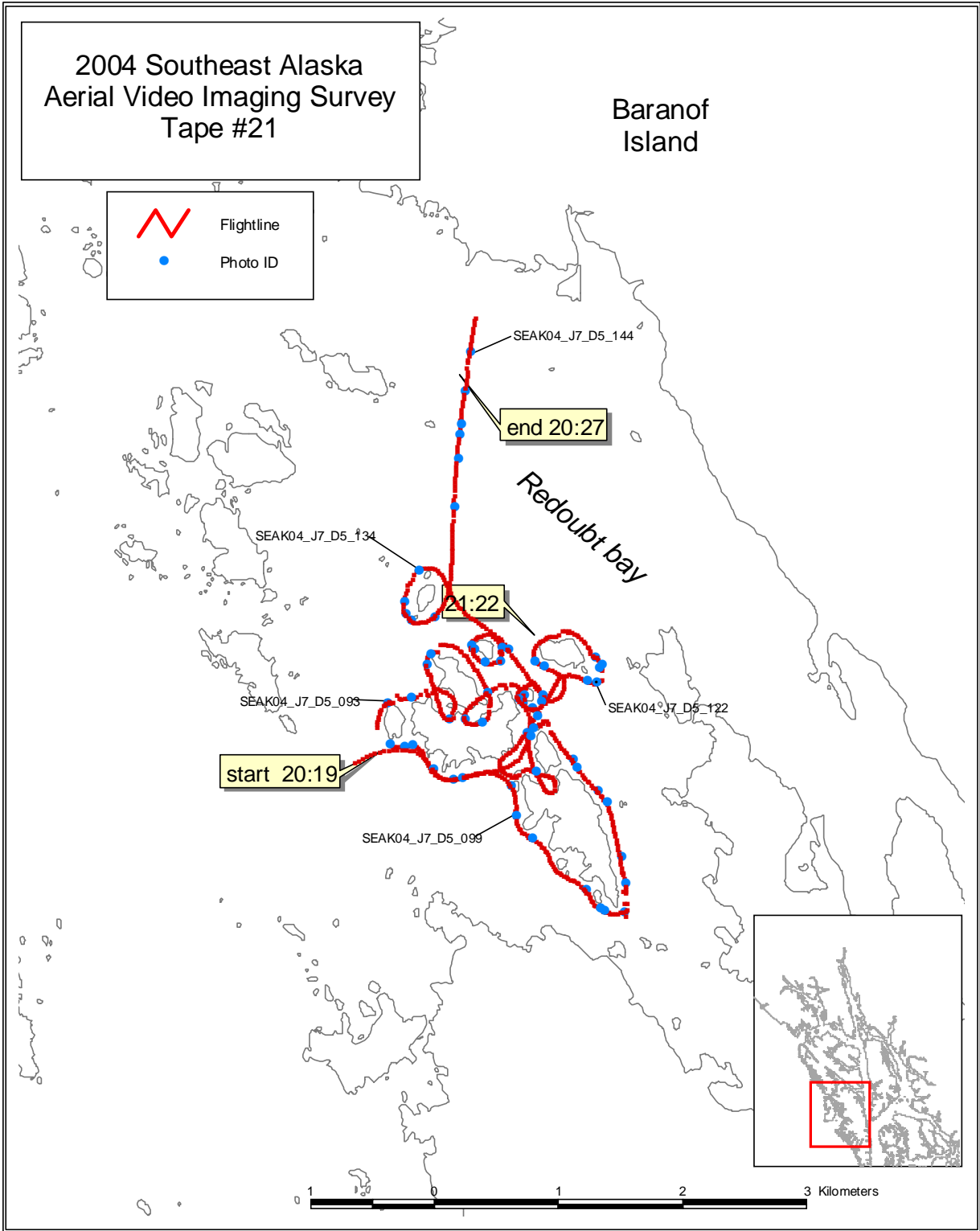
Time (UTC)	Location	Film Frame	Chart	Gazette Page
18:57	Whale Island	SEAK04_J7_D3_020.JPG	17323	27
19:11	Kutchuma Islands	SEAK04_J7_D3_055.JPG	"	"
	Break for fuel		"	
19:47	Head of No Thorofare Bay	SEAK04_J7_D4_003.JPG	"	
19:56	Head of Camp Coogan bay	SEAK04_J7_D4_061.JPG		
20:07	S. entrance to Leesoffskaia Bay	SEAK04_J7_D4_107.JPG		
20:17	Samsing Cove ---end tape 19	SEAK04_J7_D4_148.JPG		



Southeast Alaska 2004 Aerial Video Imaging Survey

Tape Number: SE_AK 2004-20
General Location: Samsing Cove to Road Island, Islands off Redoubt Bay
Date: June 7, 2004
Time Start: 20:17:26
Time Stop: 21:11:26
Tape Length: 54:00
Weather: Sunny
Electronic File: 7jun_20.TRK, 7jun_20.txt, navdatav2.mdb

Time (UTC)	Location	Film Frame	Chart	Gazette Page
20:18	Samsing Cove	SEAK04_J7_D4_158.JPG	17323	22
20:25	Cape Burunof	SEAK04_J7_D4_210.JPG	"	"
20:39	Povorotni Point	SEAK04_J7_D4_272.JPG	"	"
20:46	Korga Island	SEAK04_J7_D4_299.JPG	"	"
21:01	Kita Island	SEAK04_J7_D5_044.JPG	"	"
21:08	Peisar Island	SEAK04_J7_D5_060.JPG	"	"
21:19	Kanga Island ---end tape 20	SEAK04_J7_D5_081.JPG	"	"



Southeast Alaska 2004 Aerial Video Imaging Survey

Tape Number: SE_AK 2004-21
General Location: Islands off Redoubt Bay
Date: June 7, 2004
Time Start: 21:12:50
Time Stop: 21:26:44
Tape Length: 13:54
Weather: Sunny
Electronic File: jun7_21.TRK, jun7_21.txt, navdatav2.mdb

Time (UTC)	Location	Film Frame	Chart	Gazette Page
21:19	Kanga Island	SEAK04_J7_D5_082.JPG	17323	22
21:22	Fankuda Island	SEAK04_J7_D5_122.JPG	"	"
21:27	Korga Island ---end tape 21	SEAK04_J7_D5_144.JPG	"	