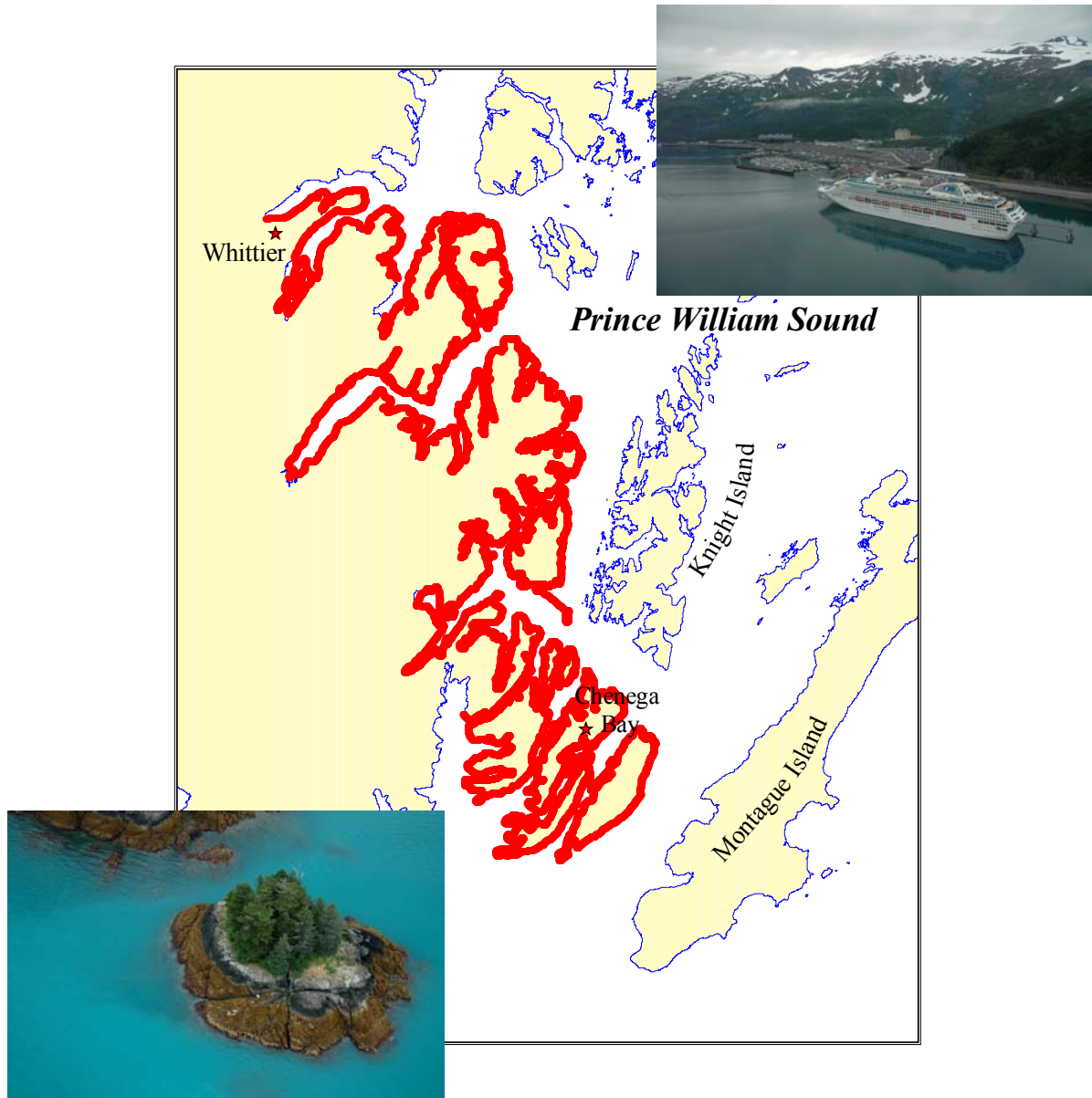


# *2004 Aerial Video Imaging Survey, Western Prince William Sound, Alaska (1 -6 July 2004)*



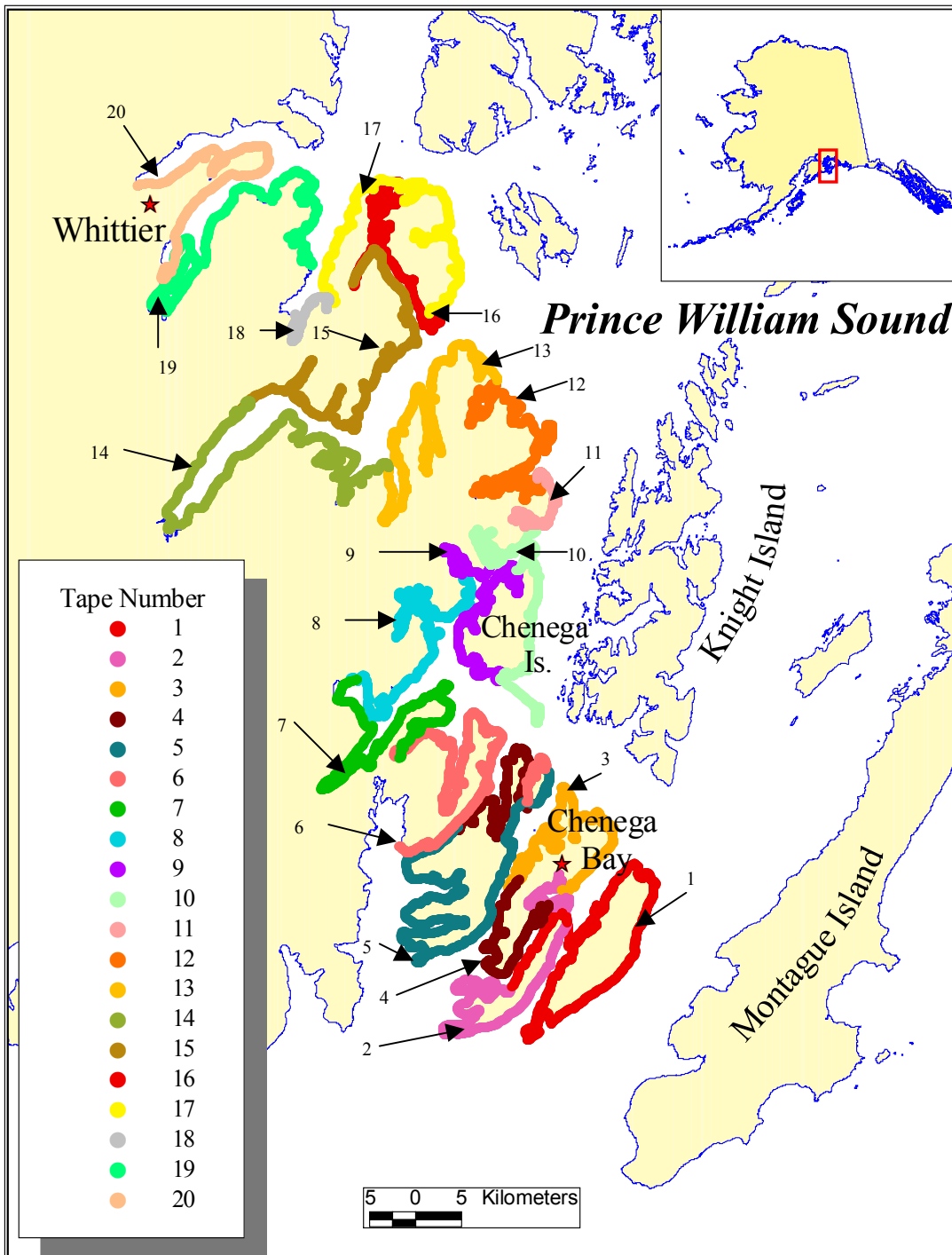
prepared for  
Prince William Sound  
Regional Citizen's Advisory Council  
(PWSRCAC)

**COASTAL & OCEAN RESOURCES INC.**

214-9865 W. Saanich Rd., Sidney, BC V8L 5Y8

[www.coastalandoceans.com](http://www.coastalandoceans.com)





This survey combines the use of digital video camera technology with real-time GPS mapping to image the shoreline of western Prince William Sound from Latouche Island to Whittier, 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.

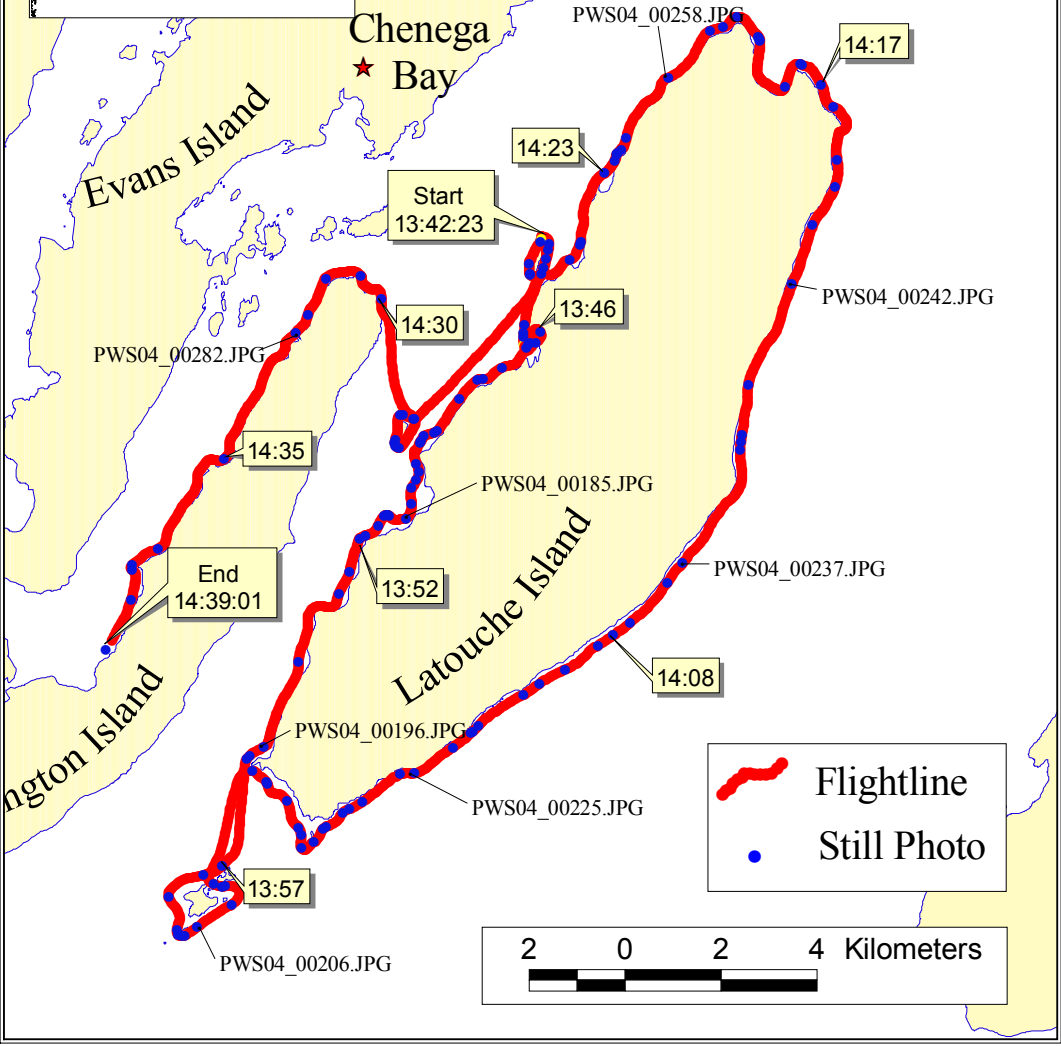
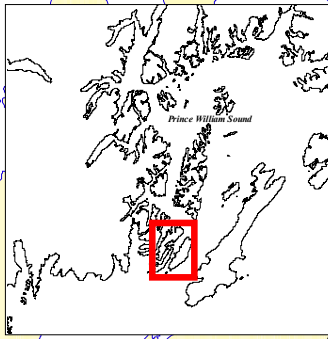
The survey was conducted by Coastal & Ocean Resources, Inc. (CORI), of Sidney, BC under contract to the Prince William Sound Regional Citizen’s Advisory Council (PWSRCAC).

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,**

<b>Function</b>	<b>Individual/ Affiliation</b>	<b>Responsibilities</b>
<i>geomorphologist project leader</i>	John Harper, CORI	co-ordination of survey, video imaging, geomorphology commentary, project reporting
<i>coastal ecologist</i>	Mandy Lindeberg, Auke Bay Marine Lab Susan Saupe, Cook Inlet RCAC	biology commentary, digital photographs
<i>navigator</i>	Neil Borecky, CORI Carl Schoch, Prince William sound Science Centre	in flight navigation & recording, post-flight track plotting, survey coordination
<i>pilot</i>	Joe Trudeau, Maritime Helicopters	

2004 Western  
Prince William Sound  
AVI  
Tape #1

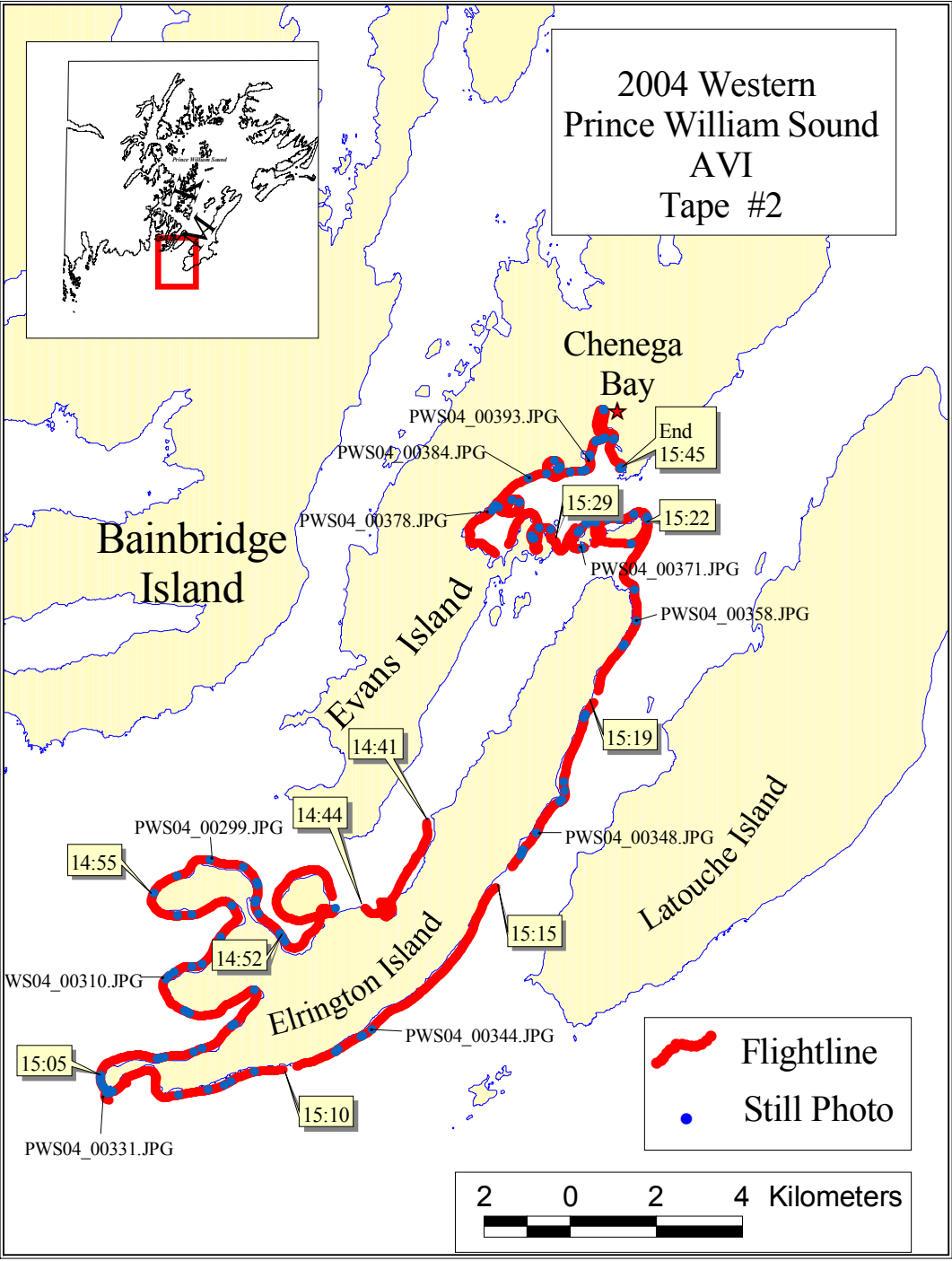
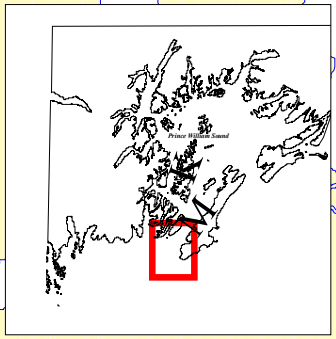


**Prince William Sound 2004 Aerial Video Imaging Survey**

**Tape Number:** PWS\_04-01  
**General Location:** Latouche Is, NW Elrington Is.  
**Date:** July 1, 2004  
**Time Start:** 13:42:23  
**Time Stop:** 14:39:01  
**Tape Length:** 59:56  
**Weather:** low ceiling, patchy fog, light rain  
**Electronic File:** 01Jul04Tape2.txt

<b>Time (UTC)</b>	<b>Location</b>	<b>Digital Image No.</b>	<b>Chart</b>	<b>Gazette Page</b>
13:42:28	Start on Chicken Is off Latouche	PWS04_00153.JPG	16701	72
13:46:39	Horseshoe Bay	PWS04_00167.JPG	"	"
13:51:59	Montgomery Bay	PWS04_00192.JPG	"	"
13:57:05	Danger Is	PWS04_00199.JPG	"	"
14:07:59	E of Latouche Peak	PWS04_00234.JPG	"	"
14:17:12	Sleepy Bay	PWS04_00247.JPG	"	"
14:23:16	Latouche (ruins)	PWS04_00265.JPG	"	"
14:25:40	Transit to Elrington Is.		"	"
14:30:46	N. tip of Elrington Is	PWS04_00278.JPG	"	"
14:39:07	End of Tape 1 near Fox Farm Bay	PWS04_00288.JPG	"	"

2004 Western  
Prince William Sound  
AVI  
Tape #2



**Prince William Sound 2004 Aerial Video Imaging Survey**

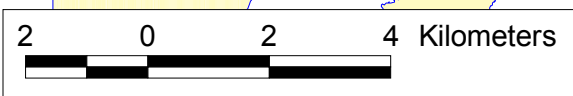
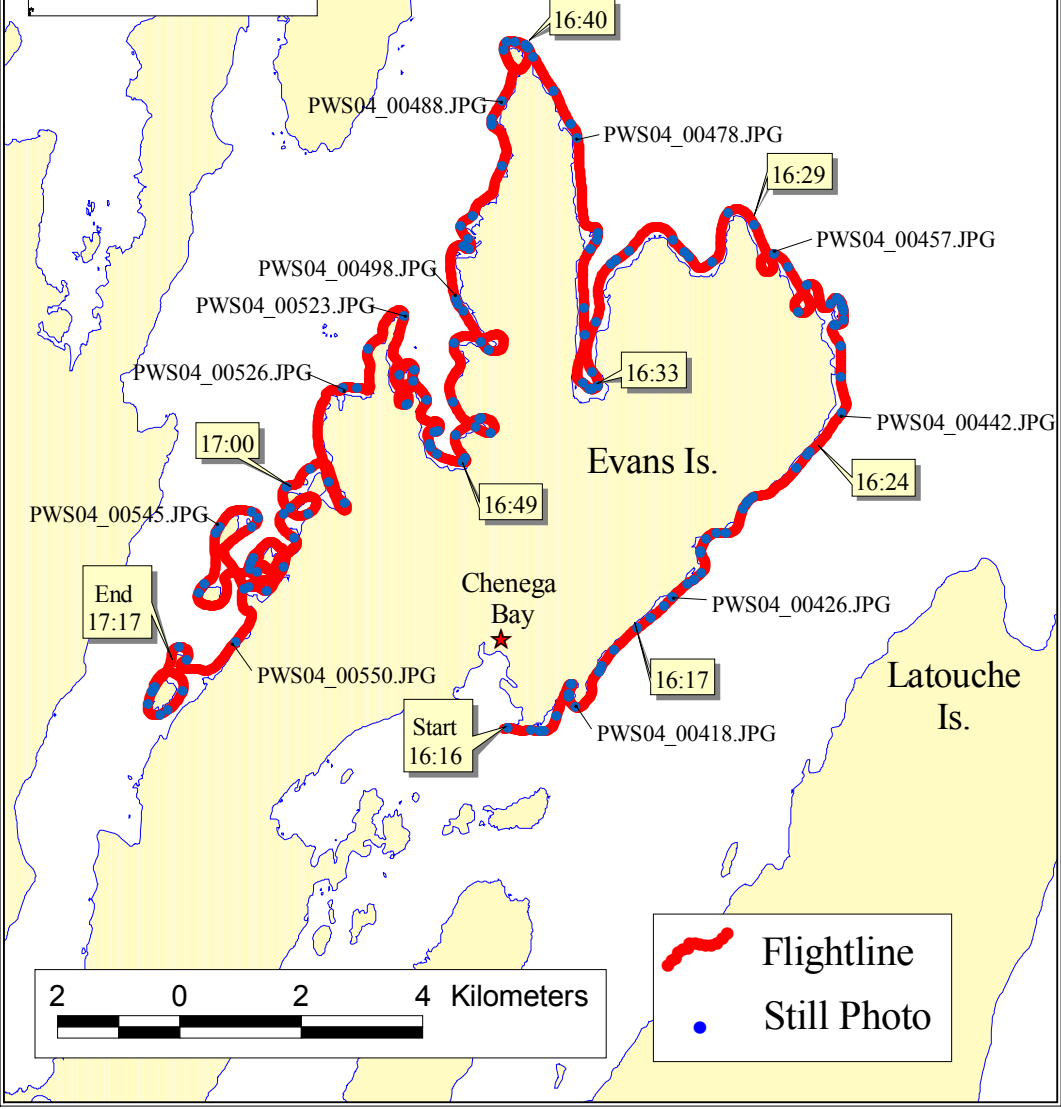
**Tape Number:** PWS\_04-02  
**General Location:** Elrington Is, Evans Is  
**Date:** July 1, 2004  
**Time Start:** 14:41:15  
**Time Stop:** 15:45:22  
**Tape Length:** 56:52  
**Weather:** low ceiling, patchy fog, light rain  
**Electronic File:** 01Jul04Tape2.txt



<b>Time (UTC)</b>	<b>Location</b>	<b>Digital Image No.</b>	<b>Chart</b>	<b>Gazette Page</b>
14:41:15	Start near Fox Farm Bay		16701	72
14:46:26	Island in Fox Farm Bay		"	65
14:55:24	Mouth North Twin Bay	PWS04_00301.JPG	"	"
15:01:39	South Twin Bay	PWS04_00315.JPG	"	"
15:05:18	Pt. Elrington; SW tip Elrington	PWS04_00323.JPG	"	"
15:16:43	Cuspate Point, E. Elrington	PWS04_00348.JPG	"	"
15:22:51	Bettles Is	PWS04_00360.JPG	"	72
15:30:26	S. Entrance to Sawmill Bay	PWS04_00373.JPG	"	"
15:44:55	N. Entrance Sawmill Bay	PWS04_00406.JPG	"	"

Note: intermittent power problem caused about a dozen breaks in recording and GPS

<b>Start Break</b>	<b>End Break</b>
14:44:05	14:45:06
14:47:24	14:47:36
14:47:42	14:50:30
15:05:39	15:05:54
15:05:56	15:06:31
15:10:27	15:10:42
15:15:26	15:15:56
15:19:28	15:19:40
15:25:26	15:25:57
15:28:22	15:29:17
15:29:24	15:29:36
15:34:04	15:34:29

2004 Western  
Prince William Sound  
AVI  
Tape #3



 Flightline  
 Still Photo




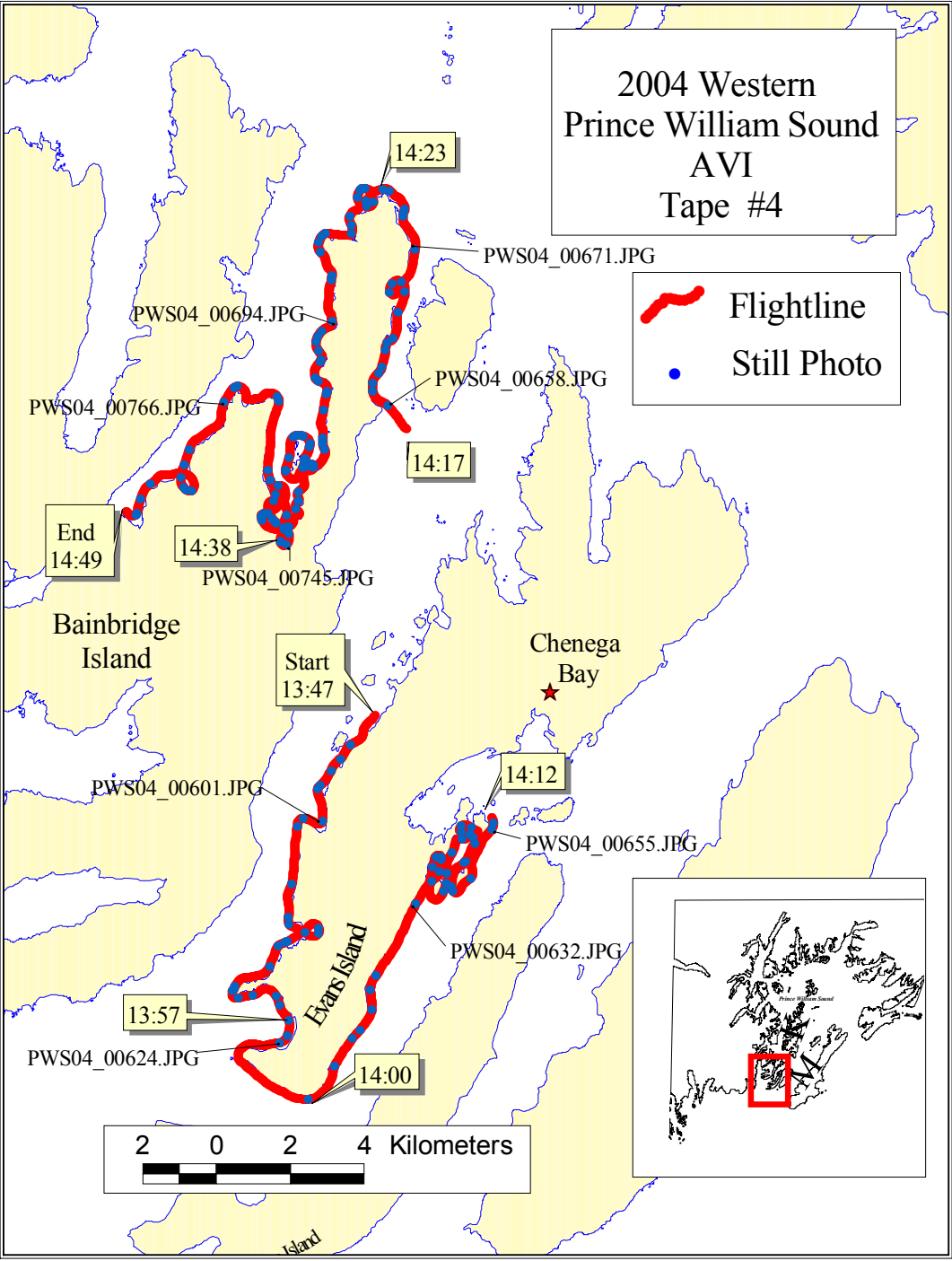
**Prince William Sound 2004 Aerial Video Imaging Survey**

**Tape Number:** PWS\_04-03  
**General Location:** Evans Is  
**Date:** July 1, 2004  
**Time Start:** 16:16:41  
**Time Stop:** 17:17:22  
**Tape Length:** 59:50  
**Weather:** low ceiling, patchy fog, light rain  
**Electronic File:** 01Jul04Tape3.txt

<b>Time (UTC)</b>	<b>Location</b>	<b>Digital Image No.</b>	<b>Chart</b>	<b>Gazette Page</b>
16:16:41	N. Entrance to Sawmill Bay	PWS04_00408.JPG	16701	72
16:23:54	Bishop Rock	PWS04_00441.JPG	"	"
16:29:31	Evans Pt.	PWS04_00458.JPG	"	"
16:33:35	Shelter Bay	PWS04_00469.JPG	"	"
16:40:15	N. tip Evans Is	PWS04_00484.JPG	"	"
16:49:25	Head of Bay to the E. Iktua Rock	PWS04_00510.JPG	"	"
17:14:14	Islet in Prince of Whales Passage, end of tape	PWS04_00559.JPG	"	"

2004 Western  
Prince William Sound  
AVI  
Tape #4

 Flightline  
 Still Photo



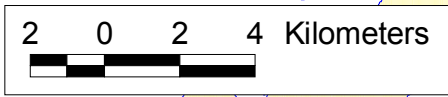
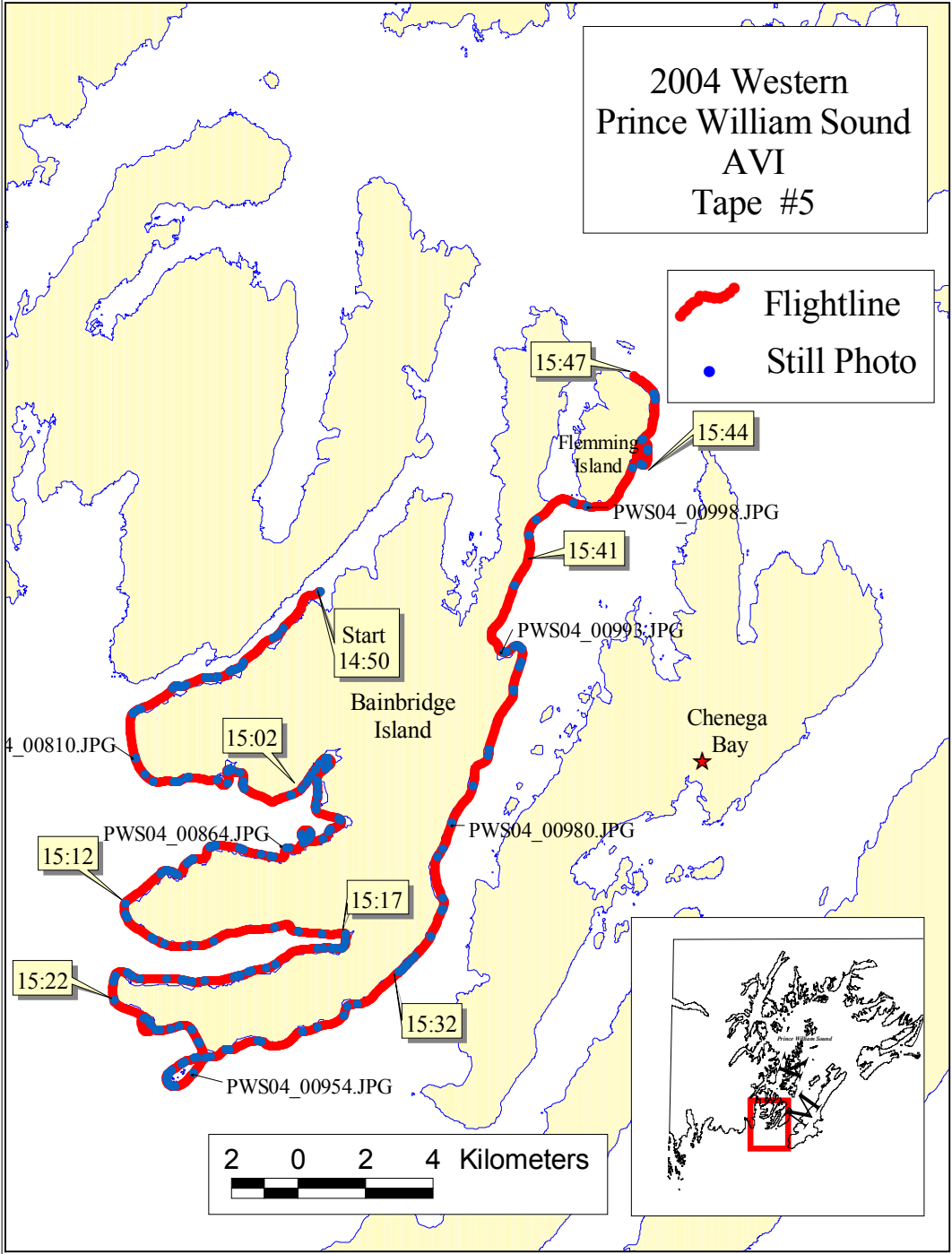
**Prince William Sound 2004 Aerial Video Imaging Survey**

**Tape Number:** PWS\_04-04  
**General Location:** Evans Is, Bainbridge Island  
**Date:** July 2, 2004  
**Time Start:** 13:47:00  
**Time Stop:** 14:49:46  
**Break:** 14:12:20 to 14:17:33  
**Tape Length:** 1:00:11  
**Weather:** low ceiling, calm  
**Electronic File:** 02Jul04.txt

<b>Time (UTC)</b>	<b>Location</b>	<b>Digital Image No.</b>	<b>Chart</b>	<b>Gazette Page</b>
13:48:18	Evans Island, Prince of Whales Passage	PWS04_00596.JPG	16702	72
13:57:46	Mouth of Squirrel Bay	PWS04_00624.JPG	"	"
14:12:12	Chenega Bay (break off)	PWS04_00656.JPG	"	"
14:12:20	Break (transit Chenega to Panhat point)		"	"
14:17:31	Panhat Point, Bainbridge Island (resume)	PWS04_00658.JPG	"	"
14:23:39	North Tip Bainbridge Island	PWS04_00675.JPG	"	"
14:38:33	Eelgrass Bay	PWS04_00745.JPG	"	"
14:49:46	End Tape Bainbridge Passage	PWS04_00776.JPG	"	"

2004 Western  
Prince William Sound  
AVI  
Tape #5

 Flightline  
 Still Photo



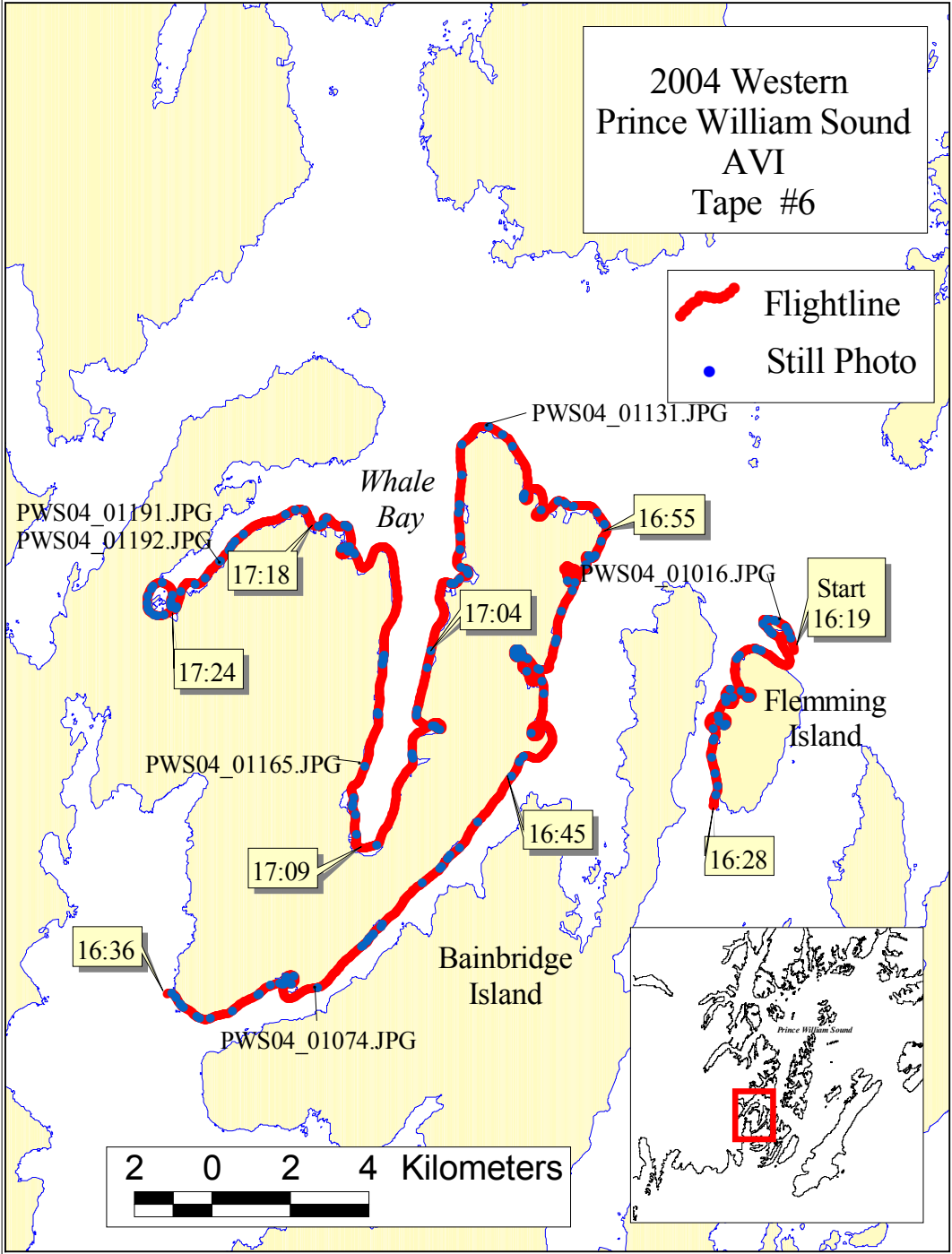
**Prince William Sound 2004 Aerial Video Imaging Survey**

**Tape Number:** PWS\_04-05  
**General Location:** Bainbridge Island, Flemming Island  
**Date:** July 2, 2004  
**Time Start:** 14:50:46  
**Time Stop:** 15:47:48  
**Tape Length:** 59:12  
**Weather:** low ceiling, calm  
**Electronic File:** 02Jul04.txt

<b>Time (UTC)</b>	<b>Location</b>	<b>Digital Image No.</b>	<b>Chart</b>	<b>Gazette Page</b>
14:50:46	Bainbridge Passage	PWS04_00780.JPG	16702	72
15:02:51	N.Arm head of Hogg Bay	PWS04_00838.JPG	"	"
15:17:23	Head of Squirrel Bay	PWS04_00897.JPG	"	"
15:33:26	Amerk Point	PWS04_00976.JPG	"	"
15:41:59	Panhat Point	PWS04_00996.JPG	"	"
15:44:47	Ship Island (adjacent to Flemming)	PWS04_01001.JPG	"	"
15:47:48	End on Flemming Island (Break for Fuel)	PWS04_01008.JPG	"	"

2004 Western  
Prince William Sound  
AVI  
Tape #6

 Flightline  
 Still Photo

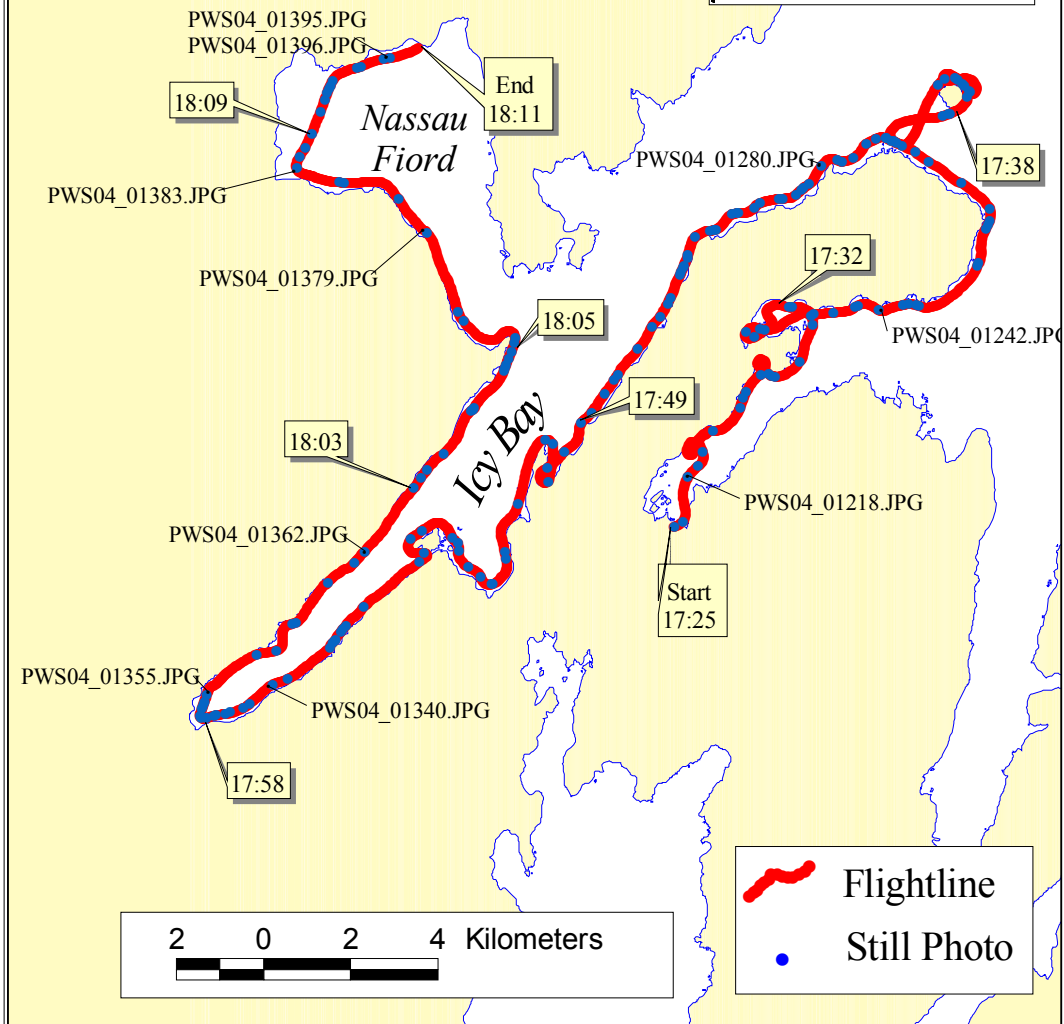
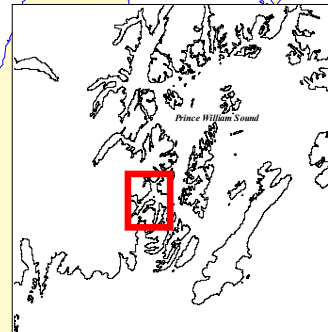


**Prince William Sound 2004 Aerial Video Imaging Survey**

**Tape Number:** PWS\_04-06  
**General Location:** Flemming Is, Bainbridge Passage, Whale Bay  
**Date:** July 2, 2004  
**Time Start:** 16:19:50  
**Time Stop:** 17:24:45  
**Tape Length:** 1:00:23  
**Break:** 16:28:44 to 16:36:16  
**Weather:** low ceiling, calm  
**Electronic File:** 02Jul04.txt

<b>Time (UTC)</b>	<b>Location</b>	<b>Digital Image No.</b>	<b>Chart</b>	<b>Gazette Page</b>
16:19:49	Start Flemming Island	PWS04_01013.JPG	16702	72
16:28:44	End Flemming Island (break)	n/a	"	"
16:28:44	Transit to Pt. Waters			
16:36:16	(resume) Pt. Waters, Bainbridge Passage	PWS04_01054.JPG	"	"
16:45:31	N. entrance Bainbridge Passage	PWS04_01092.JPG	"	"
16:55:29	Point Countess	PWS04_01121.JPG	"	"
17:09:10	Head of Whale Bay (S. Arm)	PWS04_01159.JPG	"	"
17:24:45	End Head of Whale Bay (N.W. Arm)	PWS04_01213.JPG	"	"

2004 Western  
Prince William Sound  
AVI  
Tape #7



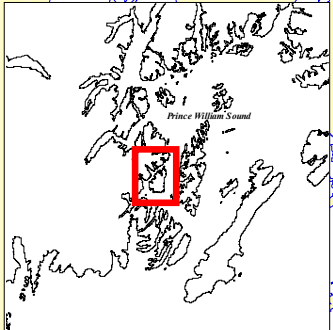


**Prince William Sound 2004 Aerial Video Imaging Survey**

**Tape Number:** PWS\_04-07  
**General Location:** Whale Bay, Icy Bay  
**Date:** July 2, 2004  
**Time Start:** 17:25:34  
**Time Stop:** 18:11:18  
**Tape Length:** 47:49  
**Weather:** low ceiling, calm  
**Electronic File:** 02Jul04.txt

<b>Time (UTC)</b>	<b>Location</b>	<b>Digital Image No.</b>	<b>Chart</b>	<b>Gazette Page</b>
17:25:34	Start Whale Bay (N.W. Arm)	PWS04_01218.JPG	16702	72
17:38:36	Verdant Island	PWS04_01262.JPG	16701	"
17:49:19	Mid-point Icy Bay	PWS04_01311.JPG	"	"
17:58:53	Tiger Glacier	PWS04_01349.JPG	"	"
18:05:19	Mouth Nassau Fiord	PWS04_01376.JPG	"	"
18:09:33	Chenega Glacier	PWS04_01386.JPG	"	"
18:11:18	End Nassau Fiord Head (Princeton Glacier )	PWS04_01396.JPG	"	"

2004 Western  
Prince William Sound  
AVI  
Tape #8



*Ewan Bay*

*Jackpot Bay*

End  
15:41

PWS04\_01689.JPG

PWS04\_01613.JPG  
PWS04\_01614.JPG

15:28

15:36

PWS04\_01575.JPG

Chenega  
Island

15:08

15:02

PWS04\_01563.JPG

Start  
14:45

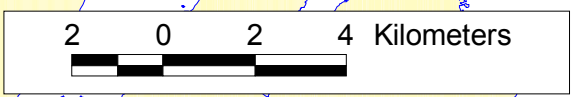
PWS04\_01523.JPG

14:58

*Nassau  
Fiord*

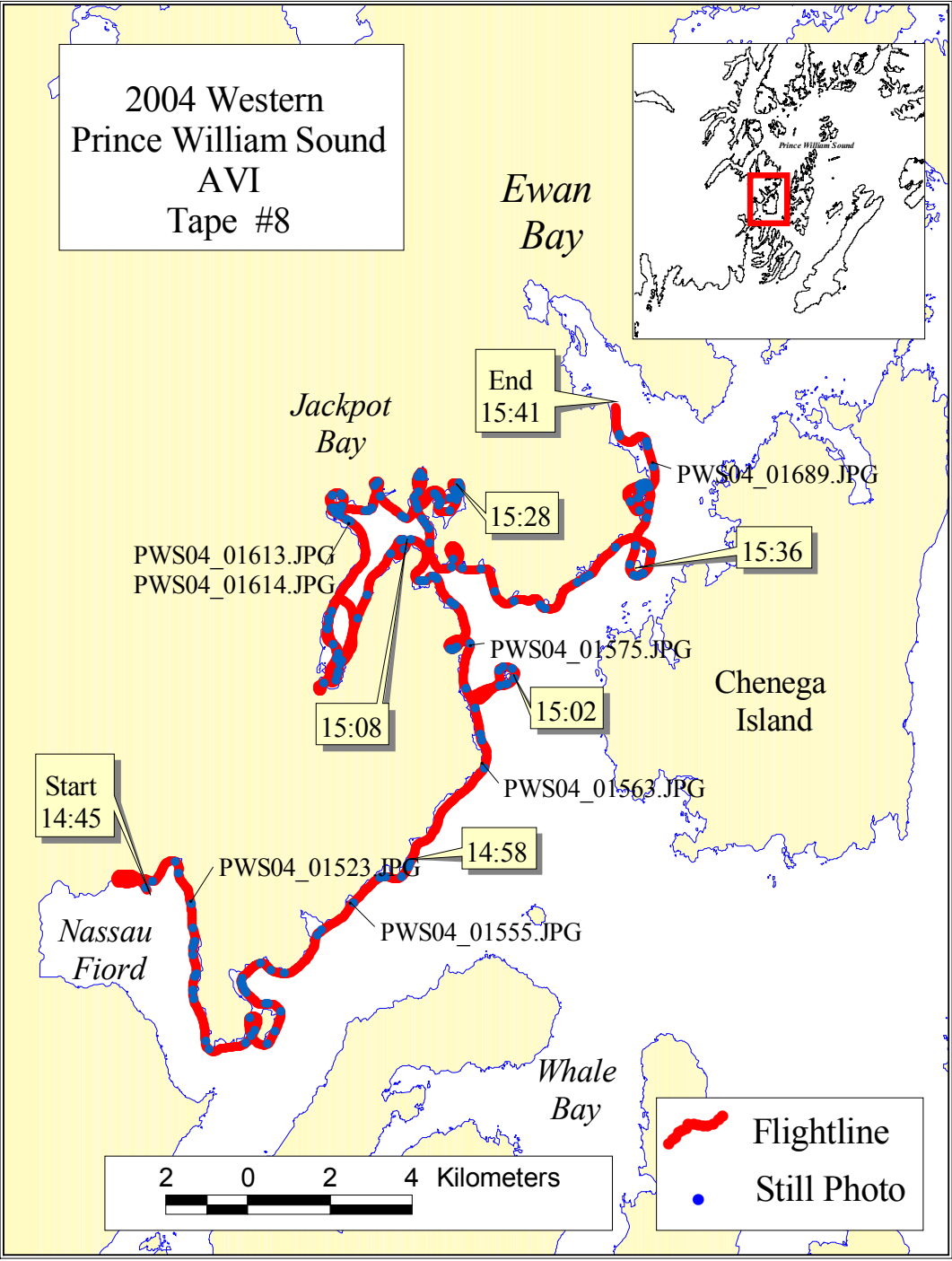
PWS04\_01555.JPG

*Whale  
Bay*



Flightline  
Still Photo

A legend box containing two entries: a red wavy line labeled 'Flightline' and a blue dot labeled 'Still Photo'.

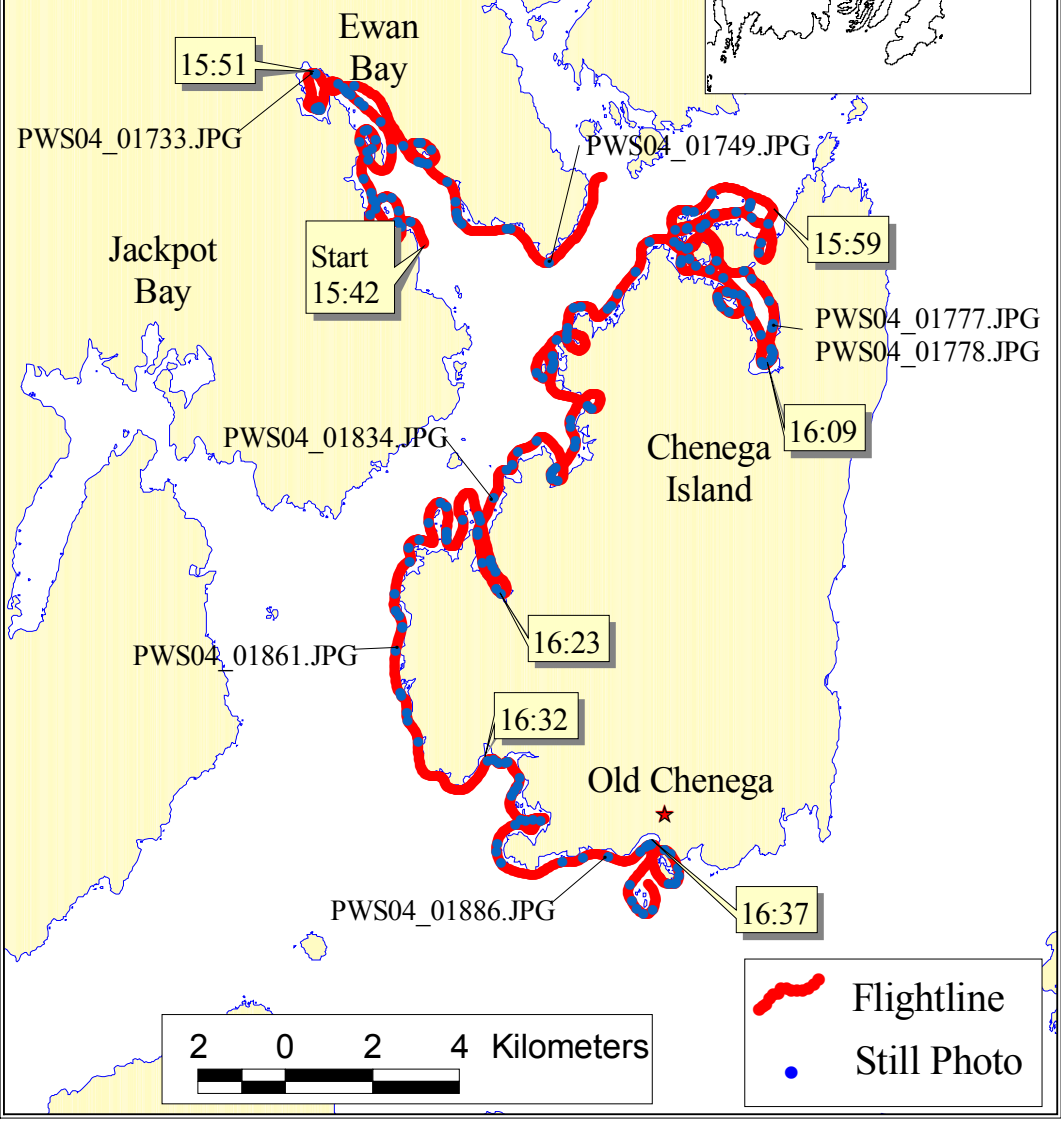
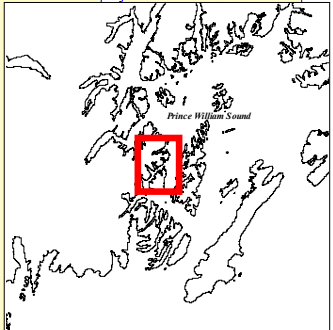


**Prince William Sound 2004 Aerial Video Imaging Survey**

**Tape Number:** PWS\_04-08  
**General Location:** Nassau Fiord, Icy Strait, Jackpot Bay, Dangerous Passage  
**Date:** July 3, 2004  
**Time Start:** 14:45:27  
**Time Stop:** 15:41:58  
**Tape Length:** 59:12  
**Weather:** low ceiling, calm  
**Electronic File:** 03Jul04.txt

<b>Time (UTC)</b>	<b>Location</b>	<b>Digital Image No.</b>	<b>Chart</b>	<b>Gazette Page</b>
14:45:11	Nassau Fiord	PWS04_01520.JPG	16701	72
14:58:18	Mouth of Icy Bay	PWS04_01561.JPG	"	"
15:02:11	Jackpot Island	PWS04_01570.JPG	"	"
15:08:27	Mouth of Jackpot Bay	PWS04_01590.JPG	"	"
15:28:04	Em'urluq Bay	PWS04_01650.JPG	"	"
15:36:38	Delenia Island	PWS04_01675.JPG	"	"
15:41:26	Mouth of Ewan Bay	PWS04_01692.JPG	"	"

2004 Western  
Prince William Sound  
AVI  
Tape #9

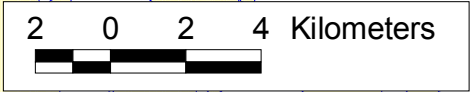
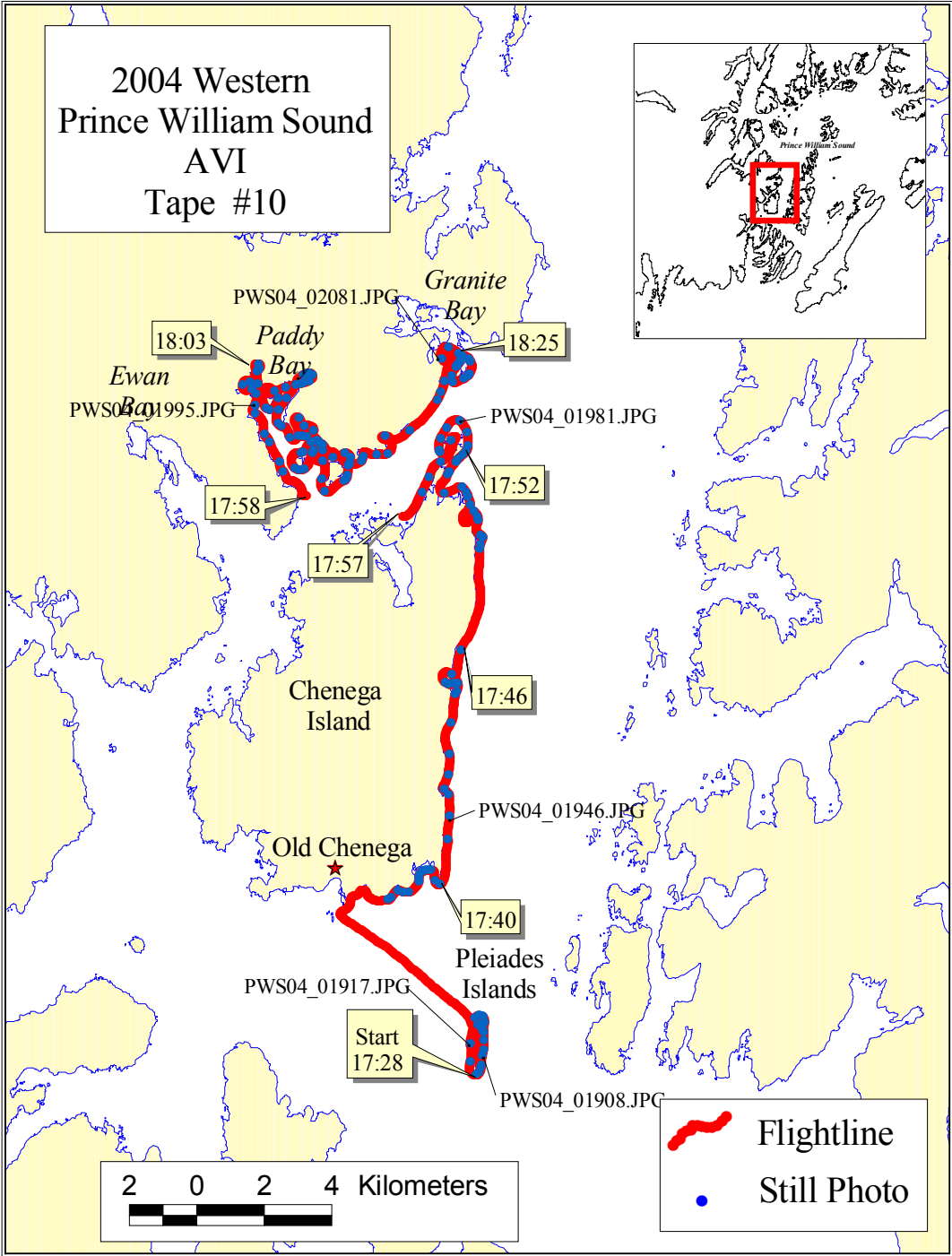


**Prince William Sound 2004 Aerial Video Imaging Survey**

**Tape Number:** PWS\_04-09  
**General Location:** Ewan Bay, Chenega Island  
**Date:** July 3, 2004  
**Time Start:** 15:43:14  
**Time Stop:** 16:39:51  
**TapeBreak:** 15:57:47 to 15:59:13  
**Tape Length:** 58:29  
**Weather:** low ceiling, calm  
**Electronic File:** 03Jul04.txt

<b>Time (UTC)</b>	<b>Location</b>	<b>Digital Image No.</b>	<b>Chart</b>	<b>Gazette Page</b>
15:42:11	Mouth of Ewan Bay	PWS04_01694.JPG	16701	72
15:51:08	Lagoon at head of Ewan Bay	PWS04_01733.JPG	"	"
15:57:47	Transit to Chenega Island			
15:59:46	Chenega I (resume)	PWS04_01750.JPG	"	"
16:09:21	Head of Masked Bay	PWS04_01783.JPG	"	"
16:23:56	Large bay east side Chenega I.	PWS04_01839.JPG	"	"
16:32:20	Large bay south side Chenega	PWS04_01867.JPG	"	"
16:37:07	Old Chenega Village site	PWS04_01888.JPG	"	"

2004 Western  
Prince William Sound  
AVI  
Tape #10

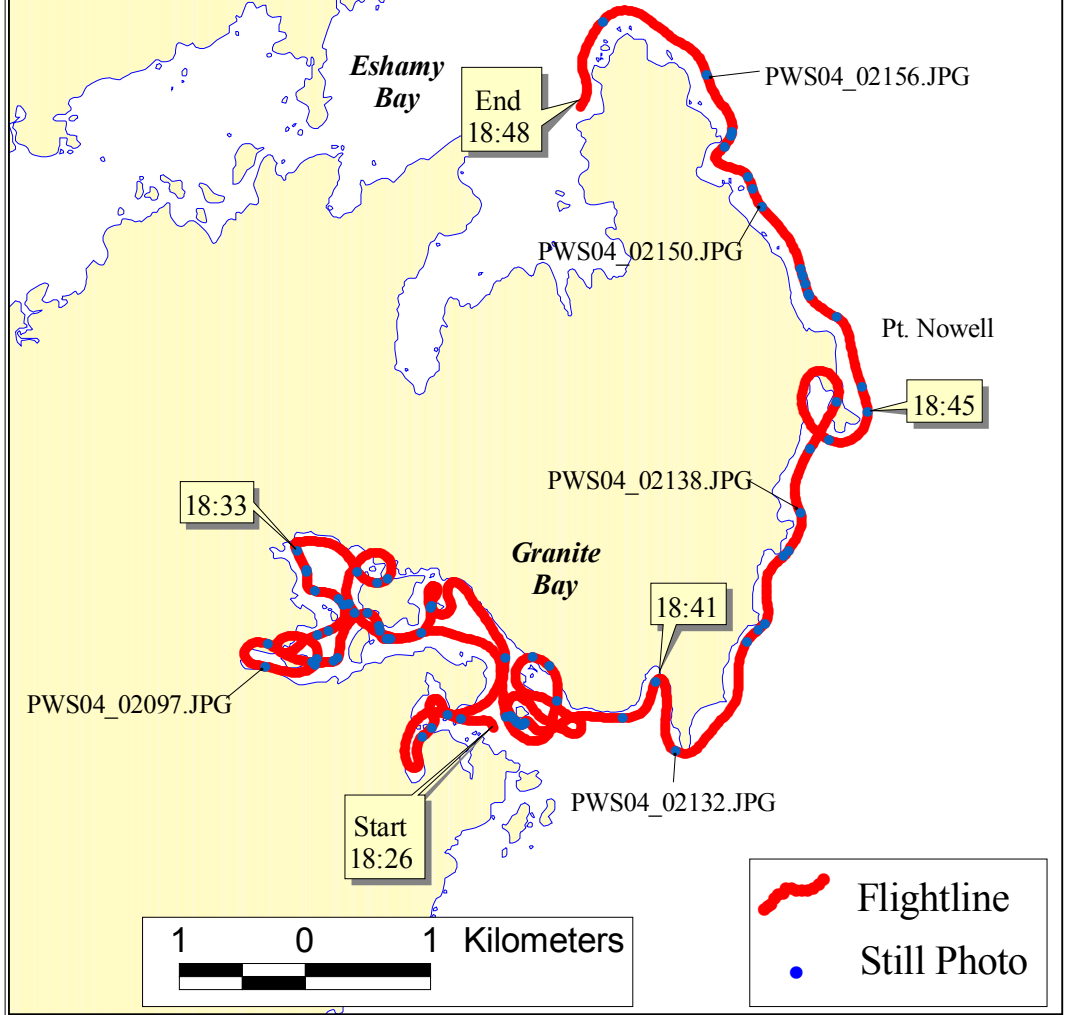
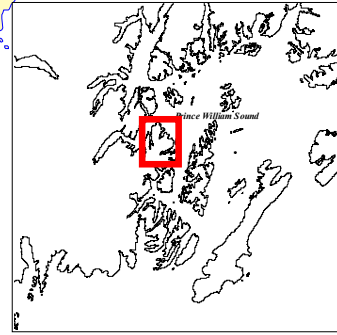


**Prince William Sound 2004 Aerial Video Imaging Survey**

**Tape Number:** PWS\_04-10  
**General Location:** Pleiades Islands, Chenega Island  
**Date:** July 3, 2004  
**Time Start:** 17:28:41  
**Time Stop:** 18:25:31  
**Tape Length:** 58:52  
**Weather:** low ceiling, calm  
**Electronic File:** 03Jul04.txt

<b>Time (UTC)</b>	<b>Location</b>	<b>Digital Image No.</b>	<b>Chart</b>	<b>Gazette Page</b>
17:28:43	Pleiades Islands	PWS04_01904.JPG	16701	72
17:40:38	Chenega Point	PWS04_01943.JPG	"	"
17:52:30	Junction Island, top Chenega I	PWS04_01976.JPG	"	"
17:57:05	Chenega I. (break)		"	"
17:58:47	(resume) Paddy Bay		"	"
18:03:33	Head of Paddy Bay	PWS04_02003.JPG	"	"
18:25:11	Mouth of Granite Bay	PWS04_02081.JPG	"	"

2004 Western  
Prince William Sound  
AVI  
Tape #11



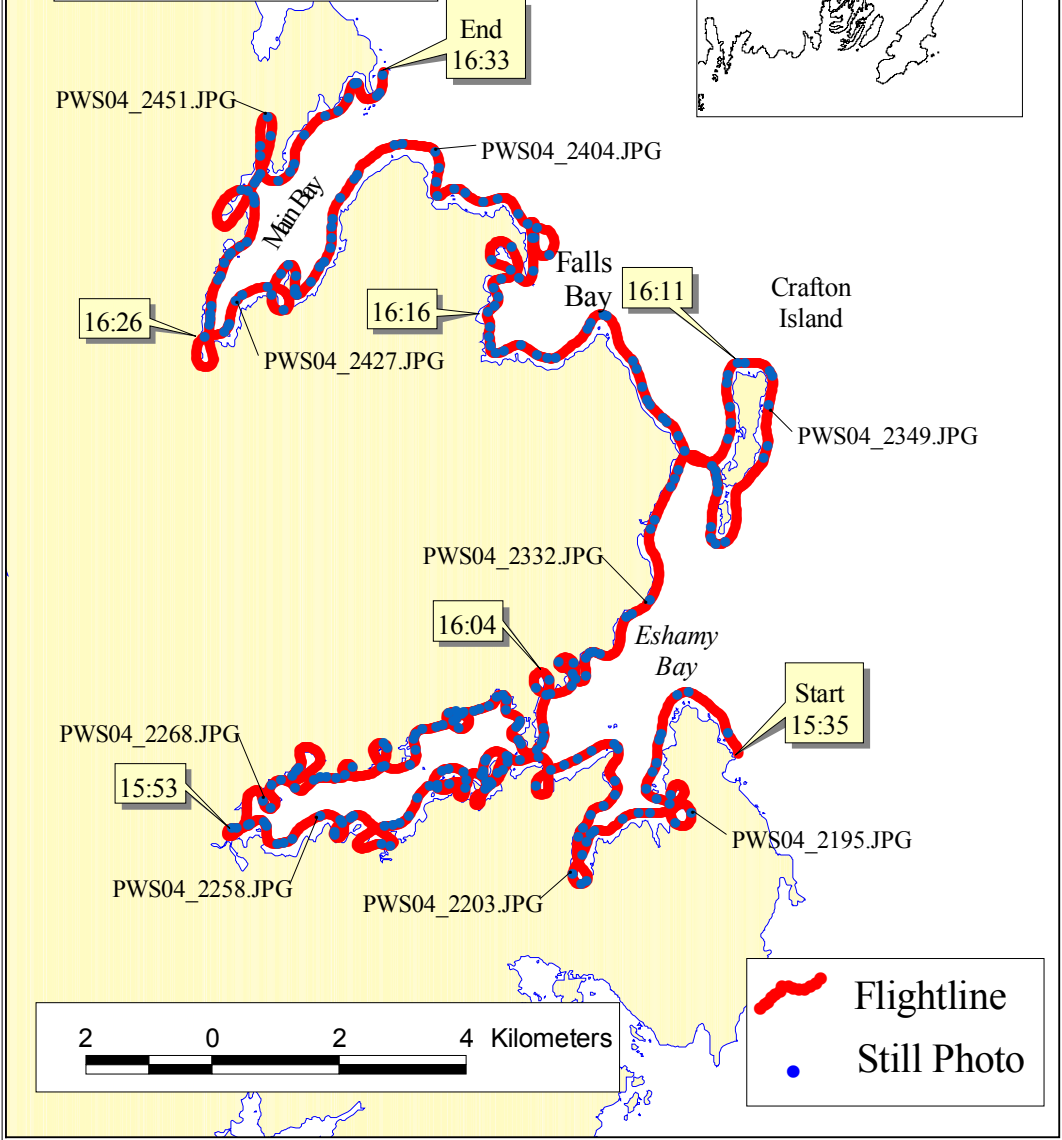
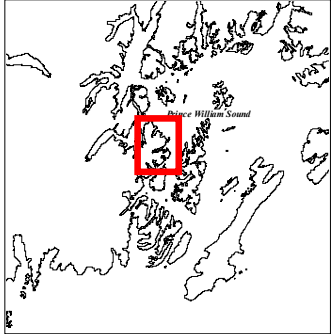


**Prince William Sound 2004 Aerial Video Imaging Survey**

**Tape Number:** PWS\_04-11  
**General Location:** Granite Bay, Pt. Nowell, Eshamy Bay  
**Date:** July 3, 2004  
**Time Start:** 18:26:24  
**Time Stop:** 18:48:56  
**Tape Length:** 24:43  
**Weather:** low ceiling, calm  
**Electronic File:** 03Jul04.txt

<b>Time (UTC)</b>	<b>Location</b>	<b>Digital Image No.</b>	<b>Chart</b>	<b>Gazette Page</b>
18:24:47	South side mouth of Granite Bay	PWS04_02080.JPG	16701	72
18:33:16	Head of Granite Bay	PWS04_02107.JPG	"	"
18:41:34	North side mouth of Granite Bay	PWS04_02132.JPG	"	"
18:45:08	Pt. Nowell	PWS04_02142.JPG	"	"
18:48:23	Mouth of Eshamy Bay	PWS04_02157.JPG	"	"

2004 Western  
Prince William Sound  
AVI  
Tape #12

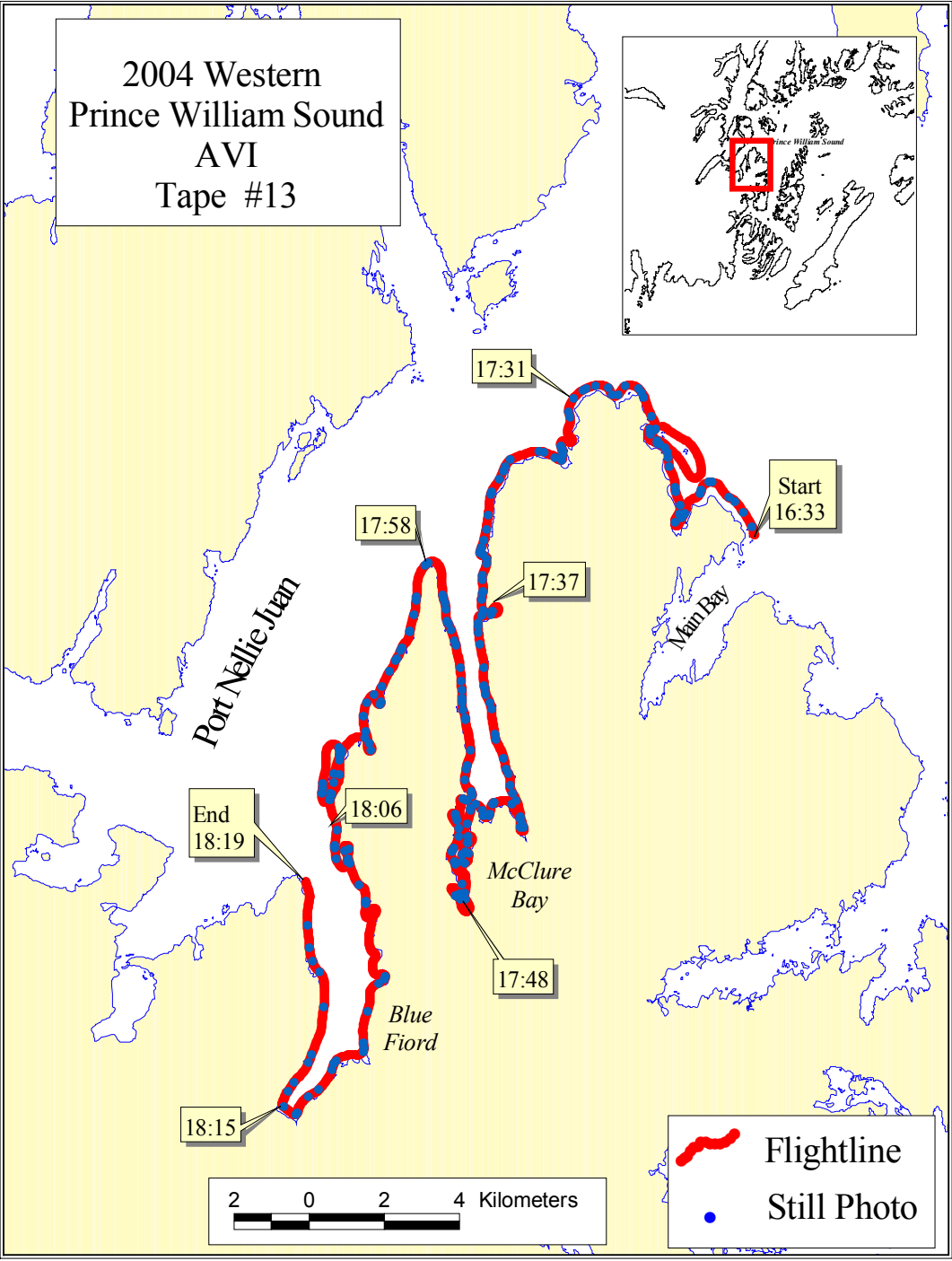


**Prince William Sound 2004 Aerial Video Imaging Survey**

**Tape Number:** PWS\_04-12  
**General Location:** Eshamy Bay, Crafton Island, Falls Bay, Main Bay  
**Date:** July 4, 2004  
**Time Start:** 15:35:41  
**Time Stop:** 16:33:33  
**Tape Length:** 1:00:01  
**Weather:** low ceiling, windy, rainy, poor visibility  
**Electronic File:** 04Jul04.txt

<b>Time (UTC)</b>	<b>Location</b>	<b>Digital Image No.</b>	<b>Chart</b>	<b>Gazette Page</b>
15:36:47	S. side mouth of Eshamy Bay	PWS04_2184.JPG	16700	72
15:53:22	Head Eshamy Bay	PWS04_2267.JPG	"	"
16:04:04	N.side mouth Eshamy Bay	PWS04_2320.JPG	"	"
16:11:11	Crafton Island	PWS04_2349.JPG	"	"
16:16:36	Head Falls Bay	PWS04_2380.JPG	"	"
16:26:35	Head Main Bay	PWS04_2431.JPG	"	"
16:33:31	Mouth Main bay (n.side)	PWS04_2466.JPG	"	"

2004 Western  
Prince William Sound  
AVI  
Tape #13



End  
18:19

17:58

17:31

Start  
16:33

17:37

Main Bay

Port Nellie Juan

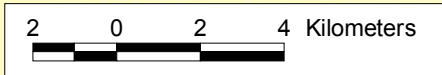
18:06

McClure Bay

17:48

Blue Fiord

18:15



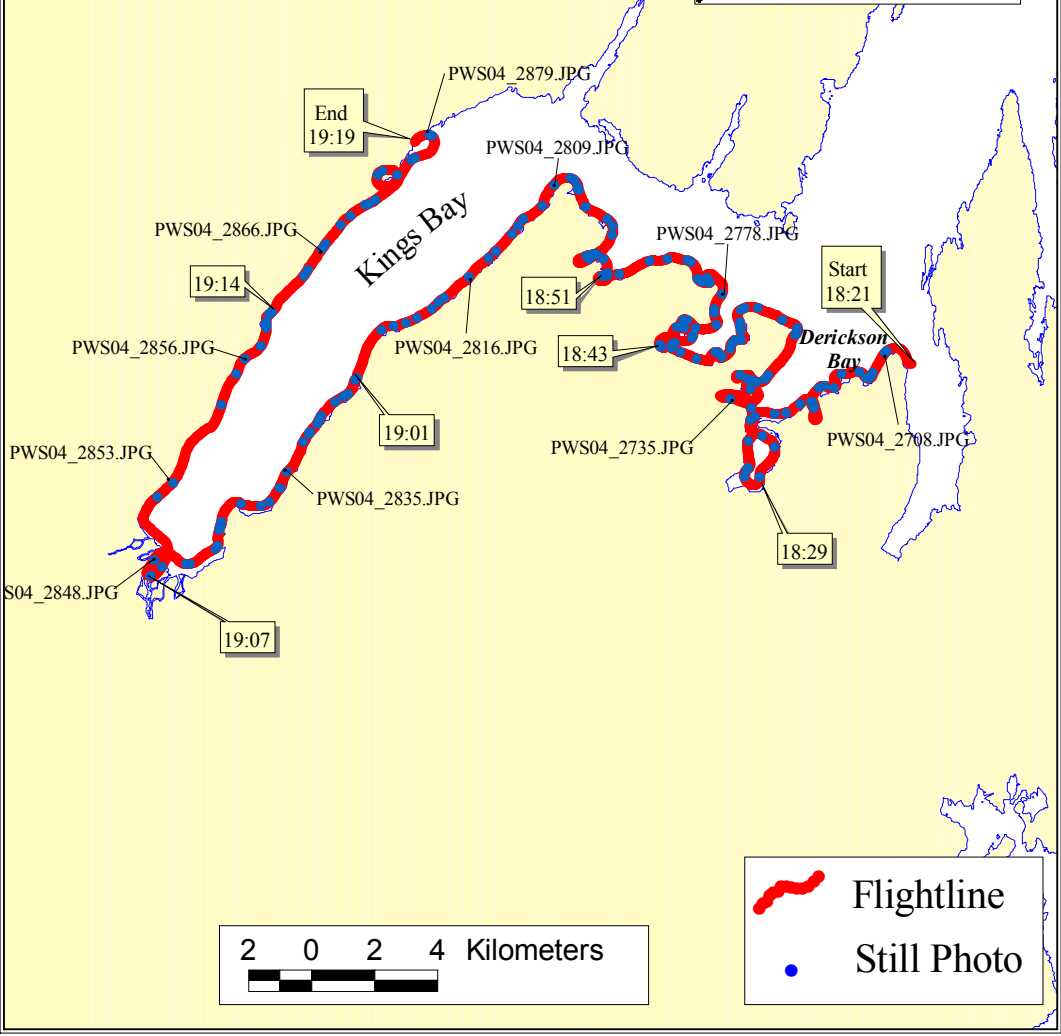
 Flightline  
 Still Photo

**Prince William Sound 2004 Aerial Video Imaging Survey**

**Tape Number:** PWS\_04-13  
**General Location:** Port Nellie Juan, McClure Bay, Blue Fiord  
**Date:** July 4, 2004  
**Time Start:** 16:35:06  
**Fuel Start:** 16:41:48  
**Fuel End:** 17:29:13  
**Time Stop:** 18:19:56  
**Tape Length:** 57:47  
**Weather:** low ceiling, windy, rainy, poor visibility  
**Electronic File:** 04Jul04.txt

<b>Time (UTC)</b>	<b>Location</b>	<b>Digital Image No.</b>	<b>Chart</b>	<b>Gazette Page</b>
16:35:31	Mouth Eshamy Bay (n. side)	PWS04_2469.JPG	16700	72
16:41:48	Fuel Break Start		"	"
17:29:13	Fuel Break End		"	"
17:31:25	Tip Port Nellie Juan	PWS04_2506.JPG	"	"
17:37:28	West Gable Cannery	PWS04_2541.JPG	"	"
17:48:32	Head McClure Bay	PWS04_2591.JPG	"	"
17:58:05	Mouth McClure Bay (w. side)	PWS04_2632.JPG	"	"
18:06:25	Mouth Blue Fiord (e.side)	PWS04_2671.JPG	"	"
18:15:44	Head Blue Fiord	PWS04_2697.JPG	"	"

2004 Western  
Prince William Sound  
AVI  
Tape #14

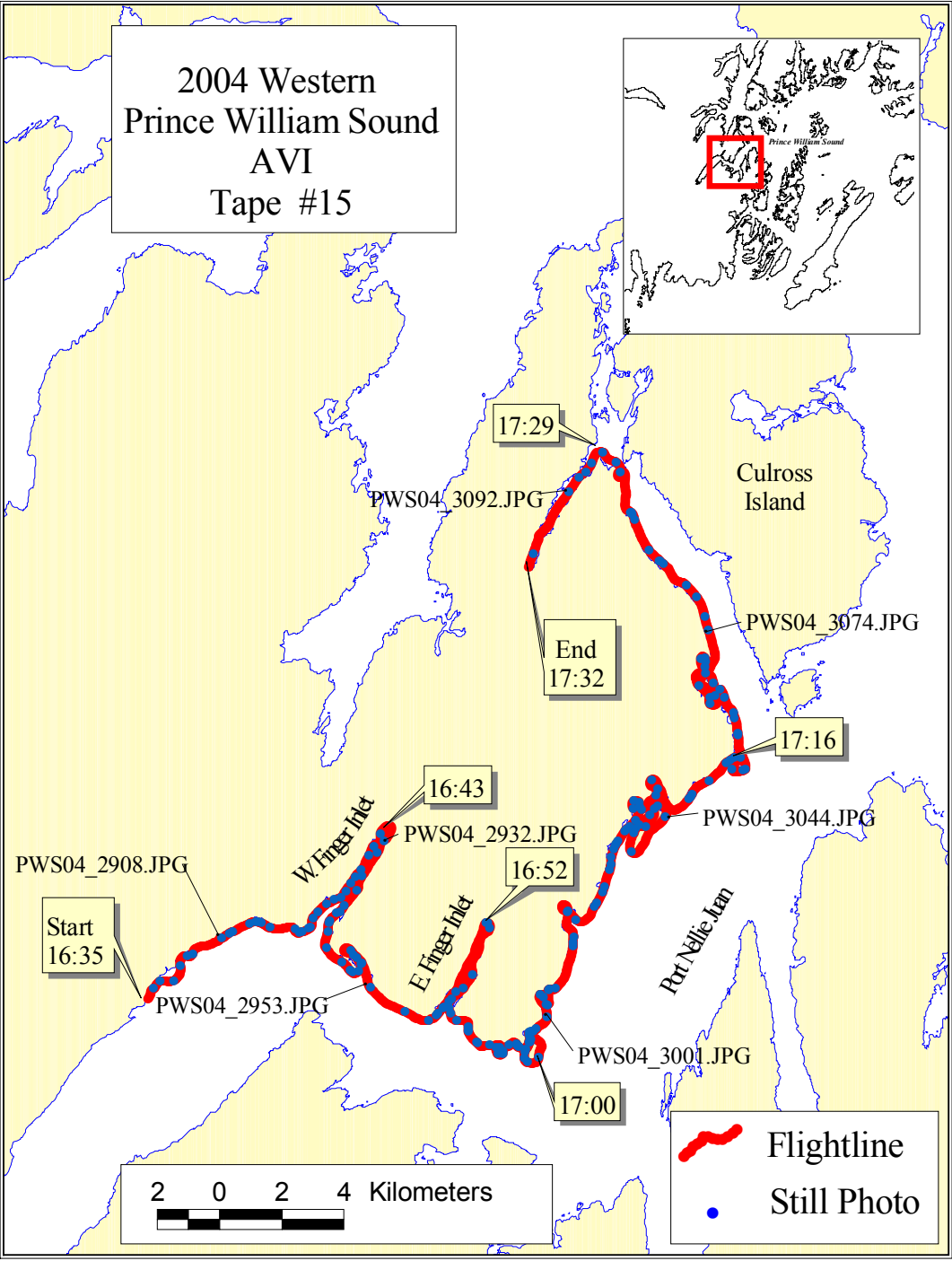
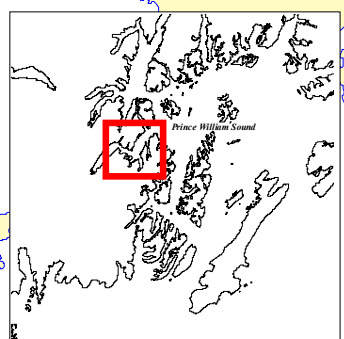


**Prince William Sound 2004 Aerial Video Imaging Survey**

**Tape Number:** PWS\_04-14  
**General Location:** Port Nellie Juan, Kings Bay  
**Date:** July 4, 2004  
**Time Start:** 18:21:47  
**Time Stop:** 19:19:51  
**Tape Length:** 1:00:09  
**Weather:** low ceiling, windy, rainy, poor visibility  
**Electronic File:** 04Jul04.txt

<b>Time (UTC)</b>	<b>Location</b>	<b>Digital Image No.</b>	<b>Chart</b>	<b>Gazette Page</b>
18:22:32	500 m. west of McClure Bay	PWS04_2707.JPG	16703	72
18:29:48	Head of Derickson Bay	PWS04_2728.JPG	"	"
18:43:11	Head of Deep Water Bay	PWS04_2765.JPG	"	"
18:51:20	Head of Greystone Bay	PWS04_2791.JPG	"	"
19:01:06	Falling Glacier	PWS04_2825.JPG	"	71
19:07:42	Head of Kings Bay	PWS04_2849.JPG	"	"
19:19:35	Mouth of Kings Bay	PWS04_2879.JPG	"	"

2004 Western  
Prince William Sound  
AVI  
Tape #15



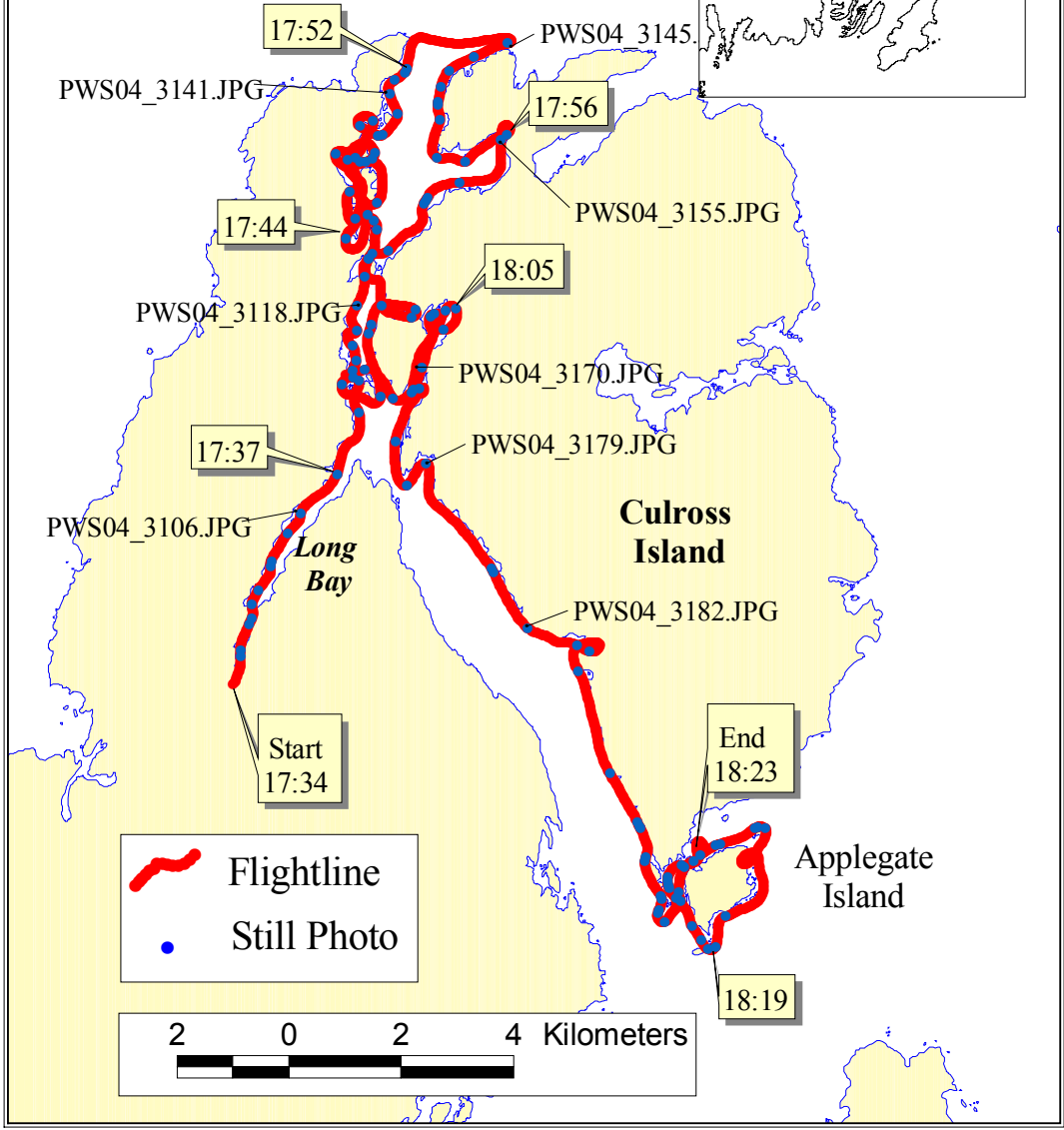


**Prince William Sound 2004 Aerial Video Imaging Survey**

**Tape Number:** PWS\_04-15  
**General Location:** Port Nellie Juan, Culross Passage  
**Date:** July 5, 2004  
**Time Start:** 16:35:48  
**Time Stop:** 17:32:59  
**Tape Length:** 59:12  
**Weather:** no rain, high overcast  
**Electronic File:** 04Jul05.txt

<b>Time (UTC)</b>	<b>Location</b>	<b>Digital Image No.</b>	<b>Chart</b>	<b>Gazette Page</b>
16:36:07	N.side Kings Bay	PWS04_2902.JPG	16700	72
16:43:45	Head of West Finger Inlet	PWS04_2933.JPG	"	"
16:52:52	Head of East Finger Inlet	PWS04_2962.JPG	"	"
17:11:12	S. side Mink Island	PWS04_3043.JPG	"	"
17:16:41	S. entrance Culross Passage	PWS04_3054.JPG	"	"
17:29:50	Mouth of Long Bay	PWS04_3088.JPG	"	"
17:32:40	Head of Long Bay	PWS04_3093.JPG	"	"

2004 Western  
Prince William Sound  
AVI  
Tape #16

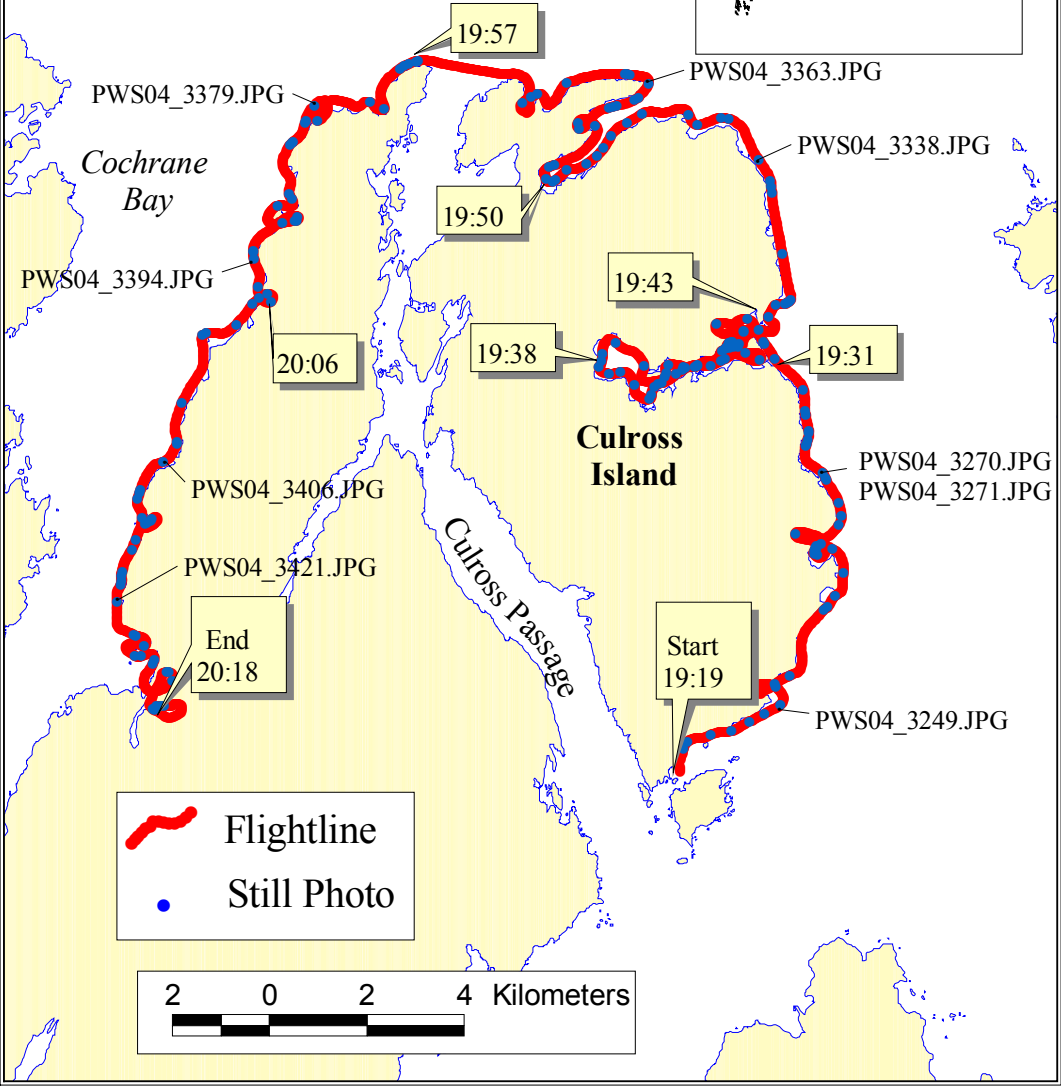
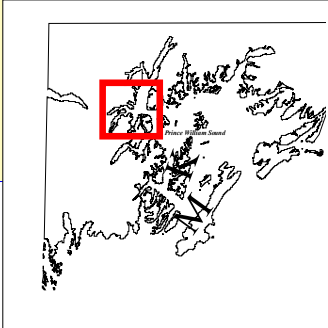


**Prince William Sound 2004 Aerial Video Imaging Survey**

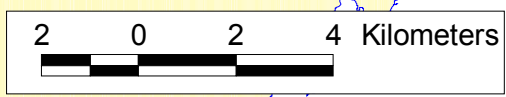
**Tape Number:** PWS\_04-16  
**General Location:** Culross Passage, Culross Island, Cochrane Bay  
**Date:** July 5, 2004  
**Time Start:** 17:34:38  
**Time Stop:** 18:23:48  
**Tape Length:** 51:22  
**Weather:** no rain, high overcast  
**Electronic File:** 04Jul05.txt

<b>Time (UTC)</b>	<b>Location</b>	<b>Digital Image No.</b>	<b>Chart</b>	<b>Gazette Page</b>
17:34:38	Head of Long Bay	PWS04_3097.JPG	16700	72
17:38:49	Mouth of Long Bay	PWS04_3097.JPG	"	"
17:52:03	N. entrance Culross Passage	PWS04_3144.JPG	"	"
18:05:12	Head Goose Bay	PWS04_3174.JPG	"	"
18:19:50	S. tip Applegate Island	PWS04_3212.JPG	"	"
18:23:32	N. side Applegate Island	PWS04_3218.JPG	"	"

2004 Western  
Prince William Sound  
AVI  
Tape #17



 Flightline  
 Still Photo

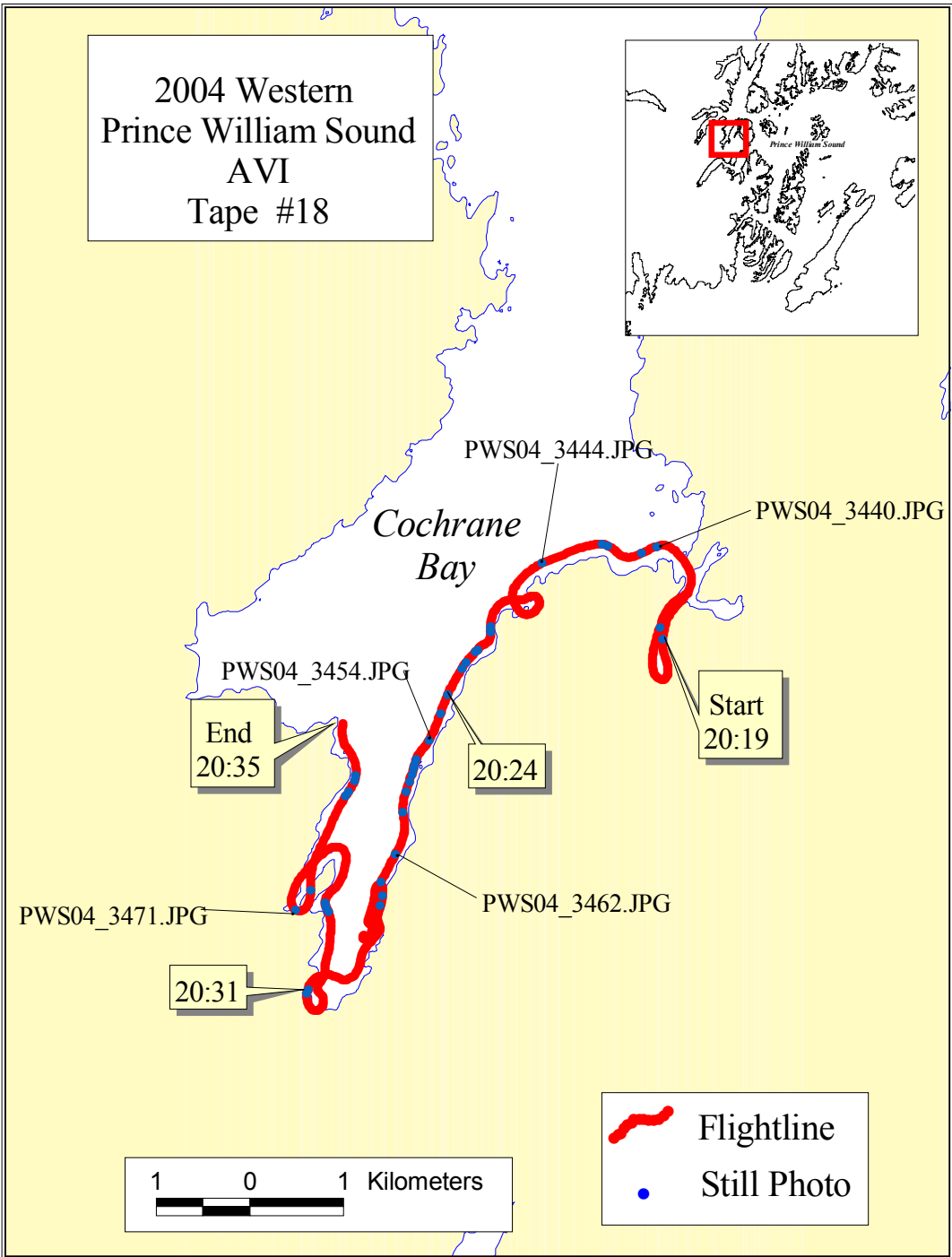


**Prince William Sound 2004 Aerial Video Imaging Survey**

**Tape Number:** PWS\_04-17  
**General Location:** Culross Passage, Culross Island, Cochrane Bay  
**Date:** July 5, 2004  
**Time Start:** 19:19:56  
**Time Stop:** 20:18:04  
**Tape Length:** 58:30  
**Weather:** no rain, high overcast  
**Electronic File:** 04Jul05.txt

<b>Time (UTC)</b>	<b>Location</b>	<b>Digital Image No.</b>	<b>Chart</b>	<b>Gazette Page</b>
19:20:21	S. side Culross Island	PWS04_3243.JPG	16700	72
19:31:07	Mouth of Hidden Bay (s. side)	PWS04_3280.JPG	"	"
19:38:53	Head of Hidden Bay	PWS04_3311.JPG	"	"
19:43:34	Mouth of Hidden Bay (n. side)	PWS04_3329.JPG	"	"
19:50:10	Head Culross Bay	PWS04_3352.JPG	"	"
19:57:32	N.entrance Culross Passage	PWS04_3371.JPG	"	"
20:06:00	Mid-point Cochrane Bay	PWS04_3396.JPG	"	"
20:16:54	Head Cochrane Bay (e. arm)	PWS04_3432.JPG	"	"

2004 Western  
Prince William Sound  
AVI  
Tape #18

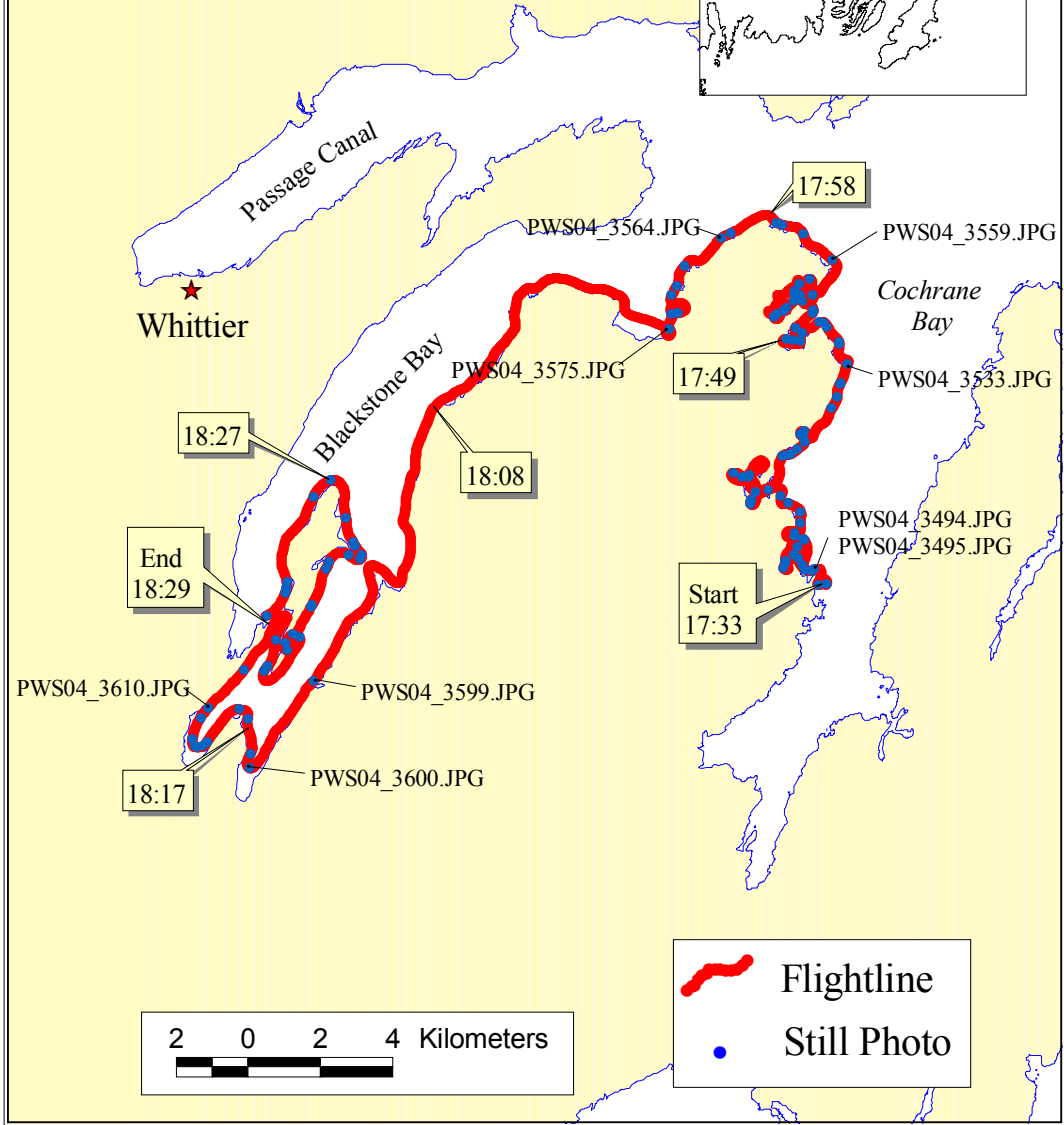


**Prince William Sound 2004 Aerial Video Imaging Survey**

**Tape Number:** PWS\_04-18  
**General Location:** Cochrane Bay  
**Date:** July 5, 2004  
**Time Start:** 20:19:04  
**Time Stop:** 20:35:18  
**Tape Length:** 16:14  
**Weather:** no rain, high overcast  
**Electronic File:** 04Jul05.txt

<b>Time (UTC)</b>	<b>Location</b>	<b>Digital Image No.</b>	<b>Chart</b>	<b>Gazette Page</b>
20:20:27	Head Cochrane Bay (e. side)	PWS04_3439.JPG	16700	72
20:31:20	Head of Cochrane Bay (w. inlet)	PWS04_3466.JPG	"	"
20:34:52	Cochrane Bay (mouth of w. inlet)	PWS04_3476.JPG	"	"

2004 Western  
Prince William Sound  
AVI  
Tape #19





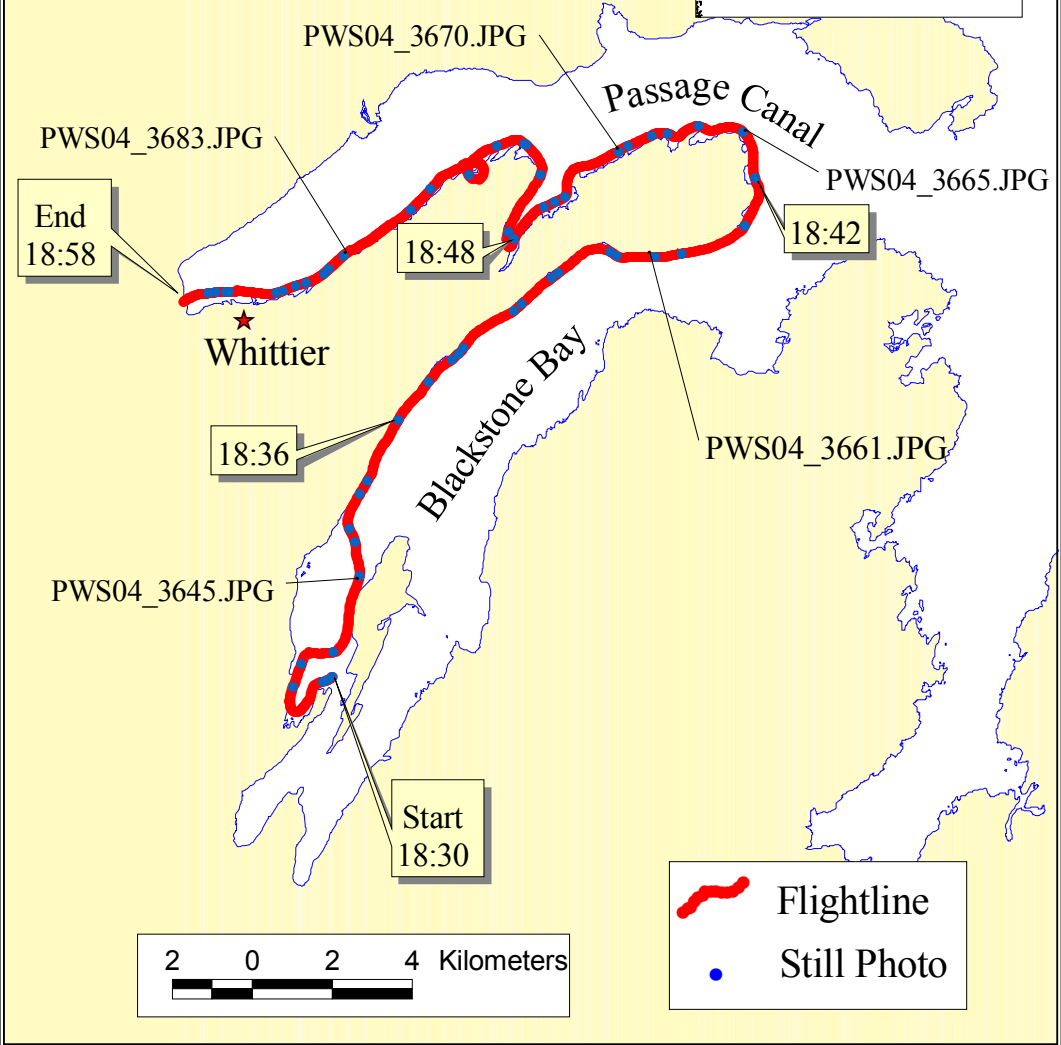
**Prince William Sound 2004 Aerial Video Imaging Survey**

**Tape Number:** PWS\_04-19  
**General Location:** Cochrane Bay, Blackstone Bay, Willard Island  
**Date:** July 6, 2004  
**Time Start:** 17:33:30  
**Time Stop:** 18:29:54  
**Tape Length:** 58:37  
**Weather:** very windy, early fog, sunny  
**Electronic File:** 04Jul06.txt

<b>Time (UTC)</b>	<b>Location</b>	<b>Digital Image No.</b>	<b>Chart</b>	<b>Gazette Page</b>
17:33:33	Mid-point Cochrane Bay (w. side)	PWS04_3492.JPG	16700	72
17:49:35	Head Surprise Cove	PWS04_3541.JPG	"	"
17:58:13	Blackstone Point	PWS04_3562.JPG	"	"
18:08:00	Mid-point Blackstone Bay	N/A	"	71
17:17:09	Head of Blackstone Bay	PWS04_3601.JPG	"	"
18:27:40	N. tip of Willard I.	PWS04_3629.JPG	"	"
18:29:53	W. side Willard Island	PWS04_3634.JPG	"	"

\*Note we are missing overlap with Tape 18 due to fog. In addition, the images between 3575 and 3599 were lost for the east side of Blackstone Bay due to a camera malfunction.

2004 Western  
Prince William Sound  
AVI  
Tape #20



**Prince William Sound 2004 Aerial Video Imaging Survey**

**Tape Number:** PWS\_04-20  
**General Location:** Blackstone Bay, Passage Canal, Whittier  
**Date:** July 6, 2004  
**Time Start:** 18:30:44  
**Time Stop:** 18:58:08  
**Tape Length:** 29:40  
**Weather:** very windy, sunny  
**Electronic File:** 04Jul06.txt

<b>Time (UTC)</b>	<b>Location</b>	<b>Digital Image No.</b>	<b>Chart</b>	<b>Gazette Page</b>
18:30:44	Head Blackstone Bay	PWS04_3639.JPG	16700	71
18:42:18	Strong Point	PWS04_3664.JPG	"	72
18:47:58	Shotgun Cove	PWS04_3674.JPG	16705	71
18:49:41	Trinity Point	PWS04_3677.JPG	"	"
18:56:04	Whittier	PWS04_3689.JPG	"	"
18:57:24	Head of Passage Canal	PWS04_3693.JPG	"	"

\* end of survey due to high winds and turbulence.