

**Annual Assessment of Subsistence Bowhead Whaling Near
Cross Island, 2006: cANIMIDA Task 7**

**Appendix B: Boat Report Forms
2006 Subsistence Whaling Season**

**Report Form for Each Boat for Each Day Whaling
Non-Whaling Boats Combined on One Form for Each Day**

ccANIMIDA Task 7 Data Collection Form, 2006

Use one form for all non-scouting vessels/day

Date: 09/02/06 Crew: All GPS Type: various

Vessel	Type	Length	HP Motor	# crew aboard/notes
BO1	FG	18'	Yamaha 80	3
BO2	AL	18'	Yamaha 70	3
IAN	FG	20'	Yamaha 225	7
NUK1	AL	18'	Yamaha 115	3
NUK2	FG	20	Yamaha 200	3
NUK3	AL	18'	Mercury 125	2
UA1	FG	20'	Yamaha 150	4
UA2	AL	18'	Yamaha 75	3

Whaling today? No If not, why not? All boats left Nuiqsut for Cross Island.

Time departed: various Time returned: NA

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	NA
Time spent actively scouting/# people looking:	NA
Time spent in travel/tow/assistance to other boats/on "break":	NA
Notes:	All boats left for Cross Island from Nuiqsut. The IAN boat experienced problems and had to return to Nuiqsut. All the other boats reached Cross Island and proceeded to unpack and prepare their cabins and equipment.

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?		Weather notes:	
Wind Direction:		Wind speed and other notes:	
% Ice Coverage:		Ice Type:	
Wave Height:	0-3'	Other Notes:	Water within barrier islands was open.
Other pertinent notes:	No weather readings since weather station not set up as yet		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? If yes, describe below

No

GPS track? Yes GPS File Name: BO1_090206.gdb, BO2_090206.gdb, NUK3_090206.gdb, UA2_090206.gdb

If not, why not? Tracks NUK1, NUK2, and UA1 were not collected as they did not use GPS tracking for the Nuiqsut to Cross Island trip. There were not scouting tracks for 09/02/06 as no boats went scouting this day.

ccANIMIDA Task 7 Data Collection Form, 2006

Use one form for all non-scouting vessels/day

Date: 09/03/06 Crew: various GPS Type: NA

Vessel	Type	Length	HP Motor	# crew aboard/notes
BO1	FG	18'	Yamaha 80	NA
BO2	AL	18'	Yamaha 70	NA
IAN	FG	20'	Yamaha 225	7
NUK1	AL	18'	Yamaha 115	NA
NUK2	FG	20	Yamaha 200	NA
NUK3	AL	18'	Mercury 125	NA
UA1	FG	20'	Yamaha 150	NA
UA2	AL	18'	Yamaha 75	NA

Whaling today? No If not, why not? The IAN crew traveled from Nuiqsut to Cross Island while the other crews used the day to prepare their equipment and do other chores on Cross Island.

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	NA
Time spent actively scouting/# people looking:	NA
Time spent in travel/tow/assistance to other boats/on "break":	NA
Notes:	The IAN crew traveled from Nuiqsut to Cross Island while the other crews used the day to prepare their equipment and do other chores on Cross Island.

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	No	Weather notes:	BP 30.0 and falling (but weather station just set up)
Wind Direction:	SE-SW	Wind speed and other notes:	0-10 mph
% Ice Coverage:		Ice Type:	Open within islands
Wave Height:	0-3'	Other Notes:	Only IAN boat was on the water. Others stayed in.
Other pertinent notes:	IAN boat stayed within the barrier islands and water was open.		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? If yes, describe below

No

GPS track? No GPS File Name:

If not, why not? IAN track of travel from Nuiqsut to Cross Island was not recorded on their GPS.

ccANIMIDA Task 7 Data Collection Form, 2006

Use one form for all non-scouting vessels/day

Date: 09/04/06 Crew: various GPS Type: various

Vessel	Type	Length	HP Motor	# crew aboard/notes
BO2	AL	18'	Yamaha 70	NA
UA2	AL	18'	Yamaha 75	NA

Whaling today? No If not, why not? BO2 and UA2 were mainly logistical support boats used for scouting only under nearly ideal conditions

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
NA			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	<u>NA</u>
Time spent actively scouting/# people looking:	<u>NA</u>
Time spent in travel/tow/assistance to other boats/on "break":	<u>NA</u>
Notes:	<u>BO2 and UA2 boats not suitable for scouting.</u>

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	<u>No</u>	Weather notes:	<u>BP 29.9 and steady</u>
Wind Direction:	<u>E</u>	Wind speed and other notes:	<u>3-12 mph</u>
% Ice Coverage:	<u>variable</u>	Ice Type:	<u>Floating floes</u> Other Notes:
Wave Height:	<u>1-3'</u>	Other notes on sea conditions:	
Other pertinent notes:	<u>Ice was essentially solid to the North of the boat track, outside of the barrier islands. Southern track in the open water.</u>		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? No If yes, describe below

No

GPS track? NA GPS File Name:
 If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/04/06 **Crew:** Oyagak **GPS Type:** Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
BO1	FG	18'	Yamaha 80	4

Whaling today?	Yes	If not, why not?	
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Time departed: 7:40 AM **Time returned:** 5:38 PM
Trip time of 9 hours 58 minutes, roundtrip of 90.9 miles, furthest point from Cross Island of 40.5 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
bo1_090406a	N70 16.964 W146 42.950	11:16	stopped for lunch on an ice berg
bo1_090406b	N70 13.913 W146 25.612	12:55 (?)	position when IAN called in with whale sighting

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	SE – all crews decided to go that way, confined by ice
Time spent actively scouting/# people looking:	8:18 (entire trip except for breaks, some at high speed)
Time spent in travel/tow/assistance to other boats/on "break":	1:40 in breaks – still looked from ice
Notes:	Packed floating ice confined the whalers within the barrier islands, and all crews decided to go to the SE. All boats were fairly close to each other but BO1 went further into the ice pack than the others. BO1 was in the pack ice from just E of Narwhal Island all the way to the SE end of the track. They did not feel that they could have penetrated the ice pack more than they did. They returned to Cross island in the open water on the edge of the ice pack. They saw one bearded seal (on the ice near Pole Island) and a few other seals during the trip, but not many animals in total. They saw a barge (and a smaller boat behind it) while on the way back to Cross Island. They stopped for lunch for about 30 minutes on an ice berg (point "a") and for coffee for about 10 minutes on Duchess Island (point "b"). They turned back and left the island when IAN radioed that they had spotted a whale.

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	No	Weather notes:	BP 29.9 and steady
Wind Direction:	E	Wind speed and other notes:	3-12
% Ice Coverage:	variable	Ice Type:	Floating floes
Wave Height:	1-3'	Other Notes:	
Other pertinent notes:	Ice was essentially solid to the North of the boat track, outside of the barrier islands. Southern track in the open water.		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities?	If yes, describe below
No	

GPS track? Yes **GPS File Name:** BO1_090406.gdb
If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/04/06 Crew: Aqargiun GPS Type: Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
IAN	FG	20'	Yamaha 225	7

Whaling today? Yes If not, why not?

Time departed: 7:15 AM Time returned: 5:46 PM

Trip time of 10 hours 31 minutes, roundtrip of 81.5 miles, furthest point from Cross Island of 35.2 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
ian_090406a	N70 14.758 W146 51.309	13:26	WHALE SIGHTING (in the ice)
ian_090406b	N70 20.450 W147 25.849	16:06	estimated boat position when they saw a barge

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	SE – all crews decided to go that way, confined by ice
Time spent actively scouting/# people looking:	10:31 (entire trip, no breaks noted, some at high speed)
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	IAN took a similar path as the other boats, SE inside of the consolidated floating ice pack. They reported seeing a whale in the area of point ian_090406a. They say that they saw the whale come up twice and then never saw it again. They saw it some distance from them. They say that past Narwhal Island it seemed to be all ice, to east of Pole Island. They saw the whale in more open water. In general there was lots of ice, estimated at about 80% coverage. Once they were further to the east it, the water opened up more and there were even a few patches of water 1000 feet long. The other boats came to help look for this whale, but only NUK3 reported seeing it at all, and none was able to follow it. After looking a bit, all the boats decided to return to Cross Island slowly. On the way back the IAN boat reported seeing a barge at point ian_090406b. The other boats saw it too, although the location differed – but all agreed it was on their way back to Cross Island. This fostered a conversation with the Com Center about the terms of the CAA and other issues.

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	No	Weather notes:	BP 29.9 and steady
Wind Direction:	E	Wind speed and other notes:	3-12
% Ice Coverage:	80%	Ice Type:	Floating floes
Wave Height:	1-3'	Other Notes:	Ice cover variable, see notes
Other pertinent notes:	Ice was essentially solid to the North of the boat track, outside of the barrier islands. Southern track in the open water.		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? If yes, describe below

No

GPS track? Yes GPS File Name: IAN_090406.gdb

If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/04/06 Crew: Nukapigak GPS Type: Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
NUK1	AL	18'	Yamaha 115	3

Whaling today? Yes If not, why not?

Time departed: 7:33 AM Time returned: 5:54 PM
 Trip time of 10 hours 21 minutes, roundtrip of 83.9 miles, furthest point from Cross Island of 34.7 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
none			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	SE – all crews decided to go that way, confined by ice
Time spent actively scouting/# people looking:	10:21 (entire trip, no breaks noted, some at high speed)
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	All three NUK boats went out scouting. NUK1 went SE like the other boats and went into the icepack East of Narwhal Island. They reported spending quite a bit of time just inside the ice pack or on the ice edge. They saw quite a few natchiqs and ducks, especially in the easternmost part of their track (a different report from the other crews, who saw few animals). It is not clear why they turned back, but they went to the IAN boat when IAN spotted a whale. They did not see this whale (or any whales at all this day). They reported that they spent most of the day at "scouting speed."

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	No	Weather notes:	BP 29.9 and steady
Wind Direction:	E	Wind speed and other notes:	3-12
% Ice Coverage:	80%	Ice Type:	Floating floes
Wave Height:	1-3'	Other Notes:	Ice cover variable, see notes
Other pertinent notes:	Ice was essentially solid to the North of the boat track, outside of the barrier islands. Southern track in the open water.		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? If yes, describe below

GPS track? Yes GPS File Name: NUK1_090406.gdb
 If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/04/06 Crew: Nukapigak GPS Type: Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
NUK2	FG	20'	Yamaha 150	3

Whaling today? Yes If not, why not?

Time departed: 7:36 AM/9:09 AM Time returned: 7:49 AM/5:54 PM
 Trip time of 13 minutes and 8 hours 54 minutes, roundtrip of 78.4 miles, furthest point from CI of 35.1 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
none			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	SE – all crews decided to go that way, confined by ice
Time spent actively scouting/# people looking:	8:54 (entire trip, no breaks noted, some at high speed)
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	All three NUK boats went out scouting. NUK2 experienced some problems and soon returned to Cross Island to fix them, after which it left again to join the other boats. NUK2 accompanied NUK1 fairly closely once out on the water, but stayed farther from the ice (in more open water). They saw maybe one oogruk, and some natchiqs in 3 or 4 different locations, but did not mark them. On their way back to CI, NUK2 saw a barge when NUK2 was about 5 miles from Narwhal Island. The barge was about 0.5 miles south of them. Trip otherwise as reported by NUK1.

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	No	Weather notes:	BP 29.9 and steady
Wind Direction:	E	Wind speed and other notes:	3-12
% Ice Coverage:	80%	Ice Type:	Floating floes
Wave Height:	1-3'	Other Notes:	Ice cover variable, see notes
Other pertinent notes:	Ice was essentially solid to the North of the boat track, outside of the barrier islands. Southern track in the open water.		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? If yes, describe below

GPS track? Yes GPS File Name: NUK2_090406.gdb
 If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/04/06 **Crew:** Nukapigak **GPS Type:** Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
NUK3	AL	18'	Mecury 125	2

Whaling today?	Yes	If not, why not?	
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Time departed: 7:36 AM **Time returned:** 6:00 PM (est)
Trip time of 10 hours 24 minutes, roundtrip and furthest point from Cross Island unknown

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
none			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	SE – all crews decided to go that way, confined by ice
Time spent actively scouting/# people looking:	10:24 (entire trip, no breaks noted, some at high speed)
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	NUK3 did not have the tracking of their GPS turned on, so no track was recovered. NUK3 stayed in close proximity to the other NUK boats but because the driver was new to the mid-Beaufort Sea area NUK3 was closer to the shore than the other boats and lost contact with them (near Bullen Point). They then met up with the NUK1 boat (probably when they turned back to return to Cross Island, but before the IAN crew saw their whale). NUK3 says that there appeared to be open water to the north and northeast of the most easterly point they reached. NUK3 reported seeing the whale right in front of the IAN boat – NUK3 was behind the IAN boat, NUK1 boat was on the N of the NUK3 boat.

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	No	Weather notes:	BP 29.9 and steady
Wind Direction:	E	Wind speed and other notes:	3-12
% Ice Coverage:	80%	Ice Type:	Floating floes
		Other Notes:	Ice cover variable, see notes
Wave Height:	1-3'	Other notes on sea conditions:	
Other pertinent notes:	Ice was essentially solid to the North of the boat track, outside of the barrier islands. Southern track in the open water.		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities?	If yes, describe below
No	

GPS track? No **GPS File Name:** _____
If not, why not? Tracking option turned off on GPS used

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/04/06 Crew: Ahkiviana GPS Type: Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
UA1	FG	20'	Yamaha 150	6

Whaling today?	Yes	If not, why not?	
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Time departed: 7:12 AM Time returned: 5:40 PM
 Trip time of 10 hours 28 minutes, roundtrip of 90.3 miles, furthest point from Cross Island of 40.7 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
ua1_090406a	N70 18.876 W146 44.383	9:58	bearded seal in the ice
ua1_090406b	N70 22.232 W147 37.024	17:00	estimated boat position when they saw a barge
ua1_090406c	N70 21.467 W147 36.716	17:00	estimated position of barge seen

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	SE – all crews decided to go that way, confined by ice
Time spent actively scouting/# people looking:	8:48 (entire trip except for breaks, some at high speed)
Time spent in travel/tow/assistance to other boats/on "break":	1:40 in breaks – still looked from ice
Notes:	UA1 for the most part accompanied BO1 and followed the ice edge to the SE – ice to the north and open water to the south. Tried to go thorough some floating ice north of Pole Island (not very successful). Saw one oogruk at estimated point "a" and a few natchiqs in unspecified locations. UA1 ran over some ice and bent their prop, and landed on Duchess Island to hammer it straight. Took a break there (12:17-1:28) with BO1 until IAN reported seeing a whale – went to join IAN but UA1 never saw the whale. Returned to Cross Island in mostly open water to the south of their outward track. They saw a barge (later identified as Kaktovik fuel barge) at estimated point "b" and estimated the actual barge location as point "c." The barge was headed east. Other whalers placed this barge sighting somewhat east of where UA1 did – all agreed on general location and travel direction.

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	No	Weather notes:	BP 29.9 and steady
Wind Direction:	E	Wind speed and other notes:	3-12
% Ice Coverage:	variable	Ice Type:	Floating floes
Wave Height:	1-3'	Other Notes:	
Other pertinent notes:	Ice was essentially solid to the North of the boat track, outside of the barrier islands. Southern track in the open water.		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities?	If yes, describe below
No	

GPS track? Yes GPS File Name: UA1_090406.gdb
 If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for all non-scouting vessels/day

Date: 09/05/06 **Crew:** various **GPS Type:** various

Vessel	Type	Length	HP Motor	# crew aboard/notes
BO2	AL	18'	Yamaha 70	NA
NUK3	AL	18'	Mercury 125	NA
UA2	AL	18'	Yamaha 75	NA

Whaling today? No **If not, why not?** NUK3 was under repair, BO2 and UA2 were mainly Logistical support boats used for scouting only under nearly ideal conditions

Time departed: NA **Time returned:** NA

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
NA			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	<u>NA</u>
Time spent actively scouting/# people looking:	<u>NA</u>
Time spent in travel/tow/assistance to other boats/on "break":	<u>NA</u>
Notes:	<u>NUK3 under repair. Other boats not suitable for scouting. NUK3 did go out later in the day to assist NUK2 on its way back to Cross Island (NUK3 trip was from about 3:02 PM – 3:40 PM).</u>

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	<u>No</u>	Weather notes:	<u>BP 29.7 and steady</u>
Wind Direction:	<u>E to S</u>	Wind speed and other notes:	<u>0-5 mph</u>
% Ice Coverage:	<u>variable</u>	Ice Type:	<u>Floating floes</u>
Wave Height:	<u>variable</u>	Other notes on sea conditions:	
Other pertinent notes:			

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? **If yes, describe below**

No

GPS track? NA **GPS File Name:**

If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/05/06 **Crew:** Oyagak **GPS Type:** Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
BO1	FG	18'	Yamaha 80	6

Whaling today?	Yes	If not, why not?	
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Time departed: 8:14 AM **Time returned:** 6:21 PM
Trip time of 10 hours 07 minutes, roundtrip of 83.3 miles, furthest point from Cross Island of 36.3 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
none			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	SE, same as 9/04, due to ice coverage
Time spent actively scouting/# people looking:	10:07 (entire trip – no notes on breaks or high speed periods)
Time spent in travel/tow/assistance to other boats/on "break":	NA
Notes:	UA1 and BO1 accompanied each other, for the most part, and took a more northerly course than did the other boats, while still heading out SE of Cross Island due to ice conditions. Little narrative description of their trips was recovered. The extent to which they were in the floating ice is not known, but it is likely that they were. No animal sightings were reported.

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	No	Weather notes:	BP 29.7 and steady
Wind Direction:	E to S	Wind speed and other notes:	0-5 mph
% Ice Coverage:	variable	Ice Type:	Floating floes
Wave Height:	variable	Other Notes:	
Other pertinent notes:	Boats stayed within barrier islands, inside the ice. Sea conditions thus fairly calm. Sea conditions beyond the ice unknown.		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities?	If yes, describe below
No	

GPS track? Yes **GPS File Name:** BO1_090506.gdb
If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/05/06 **Crew:** Aqargiun **GPS Type:** Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
IAN	FG	20'	Yamaha 225	5

Whaling today?	Yes	If not, why not?	
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Time departed: 7:51 AM **Time returned:** 2:18 PM
Trip time of 6 hours 27 minutes, roundtrip of 88.1 miles, furthest point from Cross Island of 41.3 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
ian_090506a	N70 20.707 W147 27.270	8:30	estimated position where they entered the ice pack

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	SE, same as 9/04, due to ice coverage
Time spent actively scouting/# people looking:	6:27 (entire trip – no notes on breaks, high speed return)
Time spent in travel/tow/assistance to other boats/on "break":	NA
Notes:	As on the previous day, the IAN boat went SE along the ice edge. They entered the floating ice around point ian_090506a, and went out of it again "where they turned." They did not report seeing any animals, and say that the trip back to Cross Island was made at high speed. During this trip they were again in communication with the Com Center about planned barge activity. No reports of why IAN returned so much sooner than the other boats. It may have been a decision made on the basis or no change in ice conditions since the previous day, or a desire to return to Cross island to make phone calls to AEWC, NSB, and others about the observed barge/vessel traffic.

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	No	Weather notes:	BP 29.7 and steady
Wind Direction:	E to S	Wind speed and other notes:	0-5 mph
% Ice Coverage:	variable	Ice Type:	Floating floes
Wave Height:	variable	Other Notes:	
Other pertinent notes:	Boats stayed within barrier islands, inside the ice. Sea conditions thus fairly calm. Sea conditions beyond the ice unknown.		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities?	If yes, describe below
No	

GPS track? Yes **GPS File Name:** IAN_090506.gdb
If not, why not? _____

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/05/06 **Crew:** Nukapigak **GPS Type:** No tracking

Vessel	Type	Length	HP Motor	# crew aboard/notes
NUK1	AL	18'	Yamaha 115	3

Whaling today?	Yes	If not, why not?	
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Time departed: 8:42 AM **Time returned:** 6:05 PM
Trip time of 9 hours 23 minutes, roundtrip and furthest point from Cross Island unknown

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
none			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	SE, same as 9/04, due to ice coverage
Time spent actively scouting/# people looking:	9:23 (entire trip – no notes on breaks, or high speed periods)
Time spent in travel/tow/assistance to other boats/on "break":	NA
Notes:	NUK1 did not have their GPS tracking turned on, so that no track was available. They were in reasonable proximity to the NUK2 and IAN boats for the most part. They had no sightings or other notes of interest, beyond those of the NUK2 or other boat crews.

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	No	Weather notes:	BP 29.7 and steady
Wind Direction:	E to S	Wind speed and other notes:	0-5 mph
% Ice Coverage:	variable	Ice Type:	Floating floes
Wave Height:	variable	Other notes on sea conditions:	
Other pertinent notes:	Boats stayed within barrier islands, inside the ice. Sea conditions thus fairly calm. Sea conditions beyond the ice unknown.		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities?	If yes, describe below
No	

GPS track? No **GPS File Name:**

If not, why not?	Tracking on GPS used was turned off
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cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/05/06 **Crew:** Nukapigak **GPS Type:** Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
NUK2	FG	20'	Yamaha 200	3

Whaling today?	Yes	If not, why not?	
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Time departed: 8:43 AM **Time returned:** 3:40 PM
Trip time of 9 hours 23 minutes, roundtrip and furthest point from Cross Island unknown

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
nuk2_090506a	N70 19.590 W147 25.613	13:38	estimated position where a plane flew over them
nuk2_090506b	N70 20.983 W147 30.919	14:12	estimated position where motor problems started

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	SE, same as 9/04, due to ice coverage
Time spent actively scouting/# people looking:	4:49 (entire trip until motor problems)
Time spent in travel/tow/assistance to other boats/on "break":	NA
Notes:	NUK2, as on the previous day, headed out to the SE of Cross Island. They kept in the open water, thinking the ice pack too dense to try to penetrate. They turned around when they reached a point at which they thought it would be too far to strike and try to tow a whale (47.6 miles or so). On their way back they were overflown by a plane (approximately at point nuk2_090506a), which resulted in some talk with the Com Center on air traffic control. Soon after, NUK2 began experiencing some motor problems (approximately nuk2_090506b) and NUK3 came out from Cross Island to assist them. NUK2 did see a bearded seal on their way back to Cross Island. They did not mark or locate this point.

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	No	Weather notes:	BP 29.7 and steady
Wind Direction:	E to S	Wind speed and other notes:	0-5 mph
% Ice Coverage:	variable	Ice Type:	Floating floes
Wave Height:	variable	Other Notes:	
Other pertinent notes:	Boats stayed within barrier islands, inside the ice. Sea conditions thus fairly calm. Sea conditions beyond the ice unknown.		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities?	If yes, describe below
No	

GPS track? Yes **GPS File Name:** NUK2_090506.gdb
If not, why not? _____

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/05/06

Crew: Ahkiviana

GPS Type: Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
UA1	FG	20'	Yamaha 150	6

Whaling today? Yes **If not, why not?**

Time departed: 8:01 AM

Time returned: 6:21 PM

Trip time of 10 hours 20 minutes, roundtrip of 82.5 miles, furthest point from Cross Island of 36.2 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
none			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	SE, same as 9/04, due to ice coverage
Time spent actively scouting/# people looking:	10:20 (entire trip – no notes on breaks or high speed periods)
Time spent in travel/tow/assistance to other boats/on "break":	NA
Notes:	UA1 and BO1 accompanied each other, for the most part, and took a more northerly course than did the other boats, while still heading out SE of Cross Island due to ice conditions. Little narrative description of their trips was recovered. The extent to which they were in the floating ice is not known, but it is likely that they were. No animal sightings were reported.

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	No	Weather notes:	BP 29.7 and steady
Wind Direction:	E to S	Wind speed and other notes:	0-5 mph
% Ice Coverage:	variable	Ice Type:	Floating floes
Wave Height:	variable	Other Notes:	
Other pertinent notes:	Boats stayed within barrier islands, inside the ice. Sea conditions thus fairly calm. Sea conditions beyond the ice unknown.		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities?

If yes, describe below

No

GPS track? Yes **GPS File Name:** UA1_090506.gdb

If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for all non-scouting vessels/day

Date: 09/06/06 **Crew:** Various **GPS Type:** None

Vessel	Type	Length	HP Motor	# crew aboard/notes
NUK2	FG	20'	Yamaha 200	Under repair
BO2	AL	18'	Yamaha 70	Weather limited. Support boat
UA2	AL	18'	Yamaha 75	Logistic support boat only

Whaling today? No **If not, why not?** NUK2 under repair, others primarily support boats

Time departed: NA **Time returned:** NA

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
NA			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	<u>NA</u>
Time spent actively scouting/# people looking:	<u>NA</u>
Time spent in travel/tow/assistance to other boats/on "break":	<u>NA</u>
Notes:	<u>NA</u>

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	<u>No</u>	Weather notes:	<u>BP 29.75 and falling</u>
Wind Direction:	<u>variable</u>	Wind speed and other notes:	<u>0-13 mph, direction N and then shifted full 360°</u>
% Ice Coverage:	<u>variable</u>	Ice Type:	<u>Floating floes</u> Other Notes: <u>Ice edge still confined travel</u>
Wave Height:	<u>variable</u>	Other notes on sea conditions:	
Other pertinent notes:			

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? **If yes, describe below**

No – other than in support of whaling (see above)

GPS track? NA **GPS File Name:**

If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/06/06 **Crew:** Oyagak **GPS Type:** Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
BO1	FG	18'	Yamaha 80	5

Whaling today? Yes **If not, why not?**

Time departed: 7:54 AM **Time returned:** 7:15 PM

Trip time of 11 hours 25 minutes, roundtrip of 89.7 miles and furthest point from Cross Island of 29.8 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
bo1_090606a	N70 33.353 W148 49.822	13:21	seals and oogruks
bo1_090606b	N70 32.303 W148 50.213	17:20	seals and oogruks

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	W, N, then W to NW—limited by ice, trying new direction
Time spent actively scouting/# people looking:	9:13 (trip up to 5:07 PM, headed to West Dock)
Time spent in travel/tow/assistance to other boats/on "break":	NA

Notes: Headed west from Cross Island along the ice edge but then turned north to meet up with UA boat and to try to get through the ice pack. BO1 was 6 miles into the ice pack (from the point where they turned north) when they and UA decided to turn back since the ice seemed to just be too thick. BO estimated that it was another 3 miles to the lead beyond the ice pack. BO1 and UA1 spent most of the rest of the trip in close proximity. They were out of the ice for a while after this, but the "straight line" part of the western track (from about 1:17 PM on) was also in the ice pack. On the way out they were always in the ice pack or on the edge of the ice. They said that they would have gone further west but that it was getting late and the conditions were not optimal. When IAN was near Cat Shoals IAN thought that they saw a whale so the BO1 boat went right over to IAN [but BO1 did not report seeing anything]. There were quite a few seals and oogruk in the ice – but they said that there were fewer seals on the Cross Island side of Northstar until about 20 miles from Cross Island (points bo1_090606a and bo1_090606b). BO1 reported seeing and hearing a big barge that they said was on its way to Cape Simpson – they heard it on their way out from Cross Island. They said that Northstar is loud, but that this barge was louder than Northstar. They can hear Northstar from a long distance [and so can also hear these barges from quite a distance]. They think that the ice is keeping the whales out in the open water, away from the whalers. There was some solid ice that they had to go around too. On the way back to Cross Island they detoured to West Dock to pick up packages (speeded up to do so about 5:07 PM).

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	No	Weather notes:	BP 29.75 and falling
Wind Direction:	variable	Wind speed and other notes:	0-13 mph, direction N and then shifted full 360°
% Ice Coverage:	variable	Ice Type:	Floating floes Other Notes: Ice edge still confined travel
Wave Height:	variable	Other notes on sea conditions:	Sea conditions beyond ice unknown
Other pertinent notes:	Could not penetrate ice pack to reach open water, conditions seaward of ice pack were quite good		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? No **If yes, describe below**

GPS track? Yes **GPS File Name:** BO1_090606.gdb
If not, why not?

Date: 09/06/06 Crew: Aqargiun GPS Type: Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
IAN	FG	20'	Yamaha 225	6

Whaling today? Yes If not, why not?

Time departed: 6:37 AM Time returned: 6:37 PM
 Trip time of 12 hours 00 minutes, roundtrip of 66.4 miles and furthest point from Cross Island of 28.9 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
ian_090606a	N70 32.301 W148 46.128	13:18	Estimated position of WHALE SIGHTING

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	W and NW along ice edge – new direction
Time spent actively scouting/# people looking:	12:00 (entire trip, no breaks noted)
Time spent in travel/tow/assistance to other boats/on “break”:	NA
Notes:	IAN headed west of Cross Island pretty much along the ice edge. They did not really try to go north too much, as there was quite a bit of ice in that direction. They were the first boat out in the morning and so were in front of the other boats for a while. They saw the whale right when they got to NUK1 [may have radioed each other to meet up][this appears to be about 1:17 PM from the track records][point ian_090606a]. They sped up for about 6 miles, from the point when they thought they first saw it. It was a blow in the distance, maybe a half-mile. They turned around to begin to return to Cross Island when they could no longer see it and did not think they had much of a chance of seeing it again (they thought that it had probably left their area). They report seeing lots of natchiqs, all over, during the whole trip.

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	No	Weather notes:	BP 29.75 and falling
Wind Direction:	variable	Wind speed and other notes:	0-13 mph, direction N and then shifted full 360°
% Ice Coverage:	variable	Ice Type:	Floating floes
Wave Height:	variable	Other Notes:	Ice edge still confined travel
Other pertinent notes:	Sea conditions beyond ice unknown		
	Could not penetrate ice pack to reach open water, conditions seaward of ice pack were quite good		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? No If yes, describe below

GPS track? Yes GPS File Name: IAN_090606.gdb
 If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/06/06 **Crew:** Nukapigak **GPS Type:** Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
NUK1	AL	18'	Yamaha 115	3

Whaling today? Yes **If not, why not?**

Time departed: 7:35 AM **Time returned:** 6:31 PM

Trip time of 10 hours 56 minutes, roundtrip of 68.3 miles and furthest point from Cross Island of 30.8 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
none			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	W and NW along ice edge – new direction
Time spent actively scouting/# people looking:	10:56 (entire trip, no breaks noted)
Time spent in travel/tow/assistance to other boats/on "break":	NA
Notes:	NUK1 did not give a separate account of their trip. Their track was in the same general area as that of IAN. They had no additional animal observations.

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	No	Weather notes:	BP 29.75 and falling
Wind Direction:	variable	Wind speed and other notes:	0-13 mph, direction N and then shifted full 360°
% Ice Coverage:	variable	Ice Type:	Floating floes Other Notes: Ice edge still confined travel
Wave Height:	variable	Other notes on sea conditions:	Sea conditions beyond ice unknown
Other pertinent notes:	Could not penetrate ice pack to reach open water, conditions seaward of ice pack were quite good		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? No **If yes, describe below**

GPS track? Yes **GPS File Name:** NUK1_090606.gdb

If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/06/06 **Crew:** Nukapigak **GPS Type:** Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
NUK3	AL	18'	Mercury 125	3
Whaling today?		Yes	If not, why not?	

Time departed: 7:39 AM **Time returned:** 6:38 PM
Trip time of 10 hours 59 minutes, roundtrip of 80.7 miles and furthest point from Cross Island of 30.9 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
none			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	W and NW along ice edge – new direction
Time spent actively scouting/# people looking:	10:59 (entire trip, no breaks noted)
Time spent in travel/tow/assistance to other boats/on "break":	NA
Notes:	<p>NUK3 headed WNW from Cross Island and then tried to go North (when north of Reindeer Island) but the ice was too solid for them to do so. They then continued NW along the ice edge. Once they were well west of Northstar they tried to go north again, but the ice was still too thick. They then went South to where the IAN boat had seen whales (below the Cat Shoals area). All the boats were together there. They then split up with the UA crew. IAN was to the SW of them and IAN spotted a whale – but the NUK boats did not see it. The NUK boats and IAN then went further west and said that there seemed to be lots of open water to the west. To the North was solid ice (packed floating pieces). There was also ice on the east side, but areas of open water on the west side – may be 10 miles towards the NW. However, they were uncomfortable with the SW wind. When they left Cross Island the first part was in open water (with floating ice) but most of the way to Northstar was in the ice. After Northstar they hit open water but there was still too much ice (old ice) and the ice was moving [and they did not feel very safe]. Going back to Cross Island, conditions changed and the ice was farther out [from shore] than when the whalers had been going out. Thus the whalers concluded that the ice was going out and that the trail they had taken on the way out was closed. The west part of the track was where there were chances to spot whales. IAN crew said that there were whales over there. IAN and NUK1 were more in the open water when they saw the whale, while NUK3 was on the edge of the ice. NUK3 did see one whale bird come from that direction, but they turned around to return to Cross Island about that time. The bird came from the northernmost point of their track. Some crew members heard the ACS tug over the water (in the distance) while others did not. It was a tug w/barge going to Northstar (they said). They met up with NUK1 and UA1 on their way back to Cross Island. They were also on the edge of the ice on the way back until they were North of Northstar. They tried to shoot an oogruk west of Northstar, but missed. It then started to rain when they were North of Northstar.</p>

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	No	Weather notes:	BP 29.75 and falling
Wind Direction:	variable	Wind speed and other notes:	0-13 mph, direction N and then shifted full 360°
% Ice Coverage:	variable	Ice Type:	Floating floes Other Notes: Ice edge still confined travel
Wave Height:	variable	Other notes on sea conditions:	Sea conditions beyond ice unknown
Other pertinent notes:	Could not penetrate ice pack to reach open water, conditions seaward of ice pack were quite good		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities?	No	If yes, describe below
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GPS track? Yes **GPS File Name:** NUK1_090606.gdb

If not, why not? _____

Date: 09/06/06 Crew: Ahkiviana GPS Type: Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
UA1	FG	20'	Yamaha 150	6

Whaling today?	Yes	If not, why not?	
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Time departed: 7:45 AM Time returned: 6:40 PM
 Trip time of 10 hours 55 minutes, roundtrip of 78.2 miles and furthest point from Cross Island of 29.7 miles
 Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
none			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	WNW, N, then W to NW—limited by ice, trying new direction
Time spent actively scouting/# people looking:	10:55 (entire trip, no breaks noted)
Time spent in travel/tow/assistance to other boats/on "break":	NA
Notes:	UA1 headed out WNW along the ice edge, and then tried to go North through the ice but there was too much ice and they had to turn back, and had to pretty much follow their GPS track back through the ice. BO1 was also along for this northern adventure into the ice pack. BO1 and UA1 spent most of the rest of the day in close proximity, until the return trip to Cross Island, when BO1 made a detour to West Dock to pick up packages. After the attempt to go North through the ice, they then went West and then NW along the ice edge. The ice was pretty solid to the north all the way for their trip, although there was less ice the further they went from Cross Island. They reported that the ice was coming in near Cross Island. They encountered an ACS barge [their term] at an unspecified location and said that it was louder than Northstar. They were in the vicinity of Northstar as they passed directly to the north of it [maybe 2.5 miles on the way out, 1.8 miles on the way back]. They reported that they could hear Northstar even at their furthest point from it – about 16.2 miles west of it, a little farther than Northstar is from Cross Island. They turned around because it was getting late in the day and they were still encountering lots of ice. They had seen no whales. They did see lots of oogruk and natchiqs. On their way back to Cross Island they almost shot a "pot-sized" natchiq but the gun jammed.

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	No	Weather notes:	BP 29.75 and falling
Wind Direction:	variable	Wind speed and other notes:	0-13 mph, direction N and then shifted full 360°
% Ice Coverage:	variable	Ice Type:	Floating floes
Wave Height:	variable	Other Notes:	Ice edge still confined travel
Other pertinent notes:	Could not penetrate ice pack to reach open water, conditions seaward of ice pack were quite good		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities?	If yes, describe below
Yes – attempt to harvest natchiq (not successful)	

GPS track? Yes GPS File Name: UA1_090606.gdb
 If not, why not?

Date: 09/07/06 **Crew:** Various **GPS Type:** None

Vessel	Type	Length	HP Motor	# crew aboard/notes
NUK2	FG	20'	Yamaha 200	Under repair
UA2	AL	18'	Yamaha 75	Logistic support boat only

Whaling today? No **If not, why not?** NUK2 under repair, UA2 primarily support boats

Time departed: NA **Time returned:** NA

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
NA			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	<u>NA</u>
Time spent actively scouting/# people looking:	<u>NA</u>
Time spent in travel/tow/assistance to other boats/on "break":	<u>NA</u>
Notes:	<u>NA</u>

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	<u>No</u>	Weather notes:	<u>BP 29.6 and falling</u>
Wind Direction:	<u>variable</u>	Wind speed and other notes:	<u>0-20 mph, direction variable, shift to E as speed up</u>
% Ice Coverage:	<u>variable</u>	Ice Type:	<u>Floating floes</u>
Wave Height:	<u>variable</u>	Other Notes:	<u>Ice edge still confined travel</u>
Other pertinent notes:	<u>Waves high, especially as wind increased. Water calm near ice.</u>		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? **If yes, describe below**

No – other than in support of whaling (see above)

GPS track? NA **GPS File Name:**

If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/07/06 **Crew:** Oyagak **GPS Type:** Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
BO1	FG	18'	Yamaha 80	4

Whaling today? Yes **If not, why not?**

Time departed: 9:29 AM **Time returned:** 4:45 PM
Trip time of 7 hours 16 minutes, roundtrip of 65.6 miles and furthest point from Cross Island of 29.2 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
none			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	SE again, within icepack (confined by ice still)
Time spent actively scouting/# people looking:	6:46 (30 minute break noted)
Time spent in travel/tow/assistance to other boats/on "break":	NA
Notes:	BO1. There was no account given for the BO crew boats for this day. No whale sightings were reported. BO1 was in close proximity to UA1, for the most part. BO1 and UA1 made periodic attempts to probe the ice/sea conditions further north (as indicated by "peaks" or "points" on their tracks) but without much success. UA1, BO1, and BO2 all met and took a break at the easternmost point of their tracks before heading back to Cross Island at high speed.

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	No	Weather notes:	BP 29.6 and falling
Wind Direction:	variable	Wind speed and other notes:	0-20 mph, direction variable, shift to E as speed up
% Ice Coverage:	variable	Ice Type:	Floating floes Other Notes: Ice edge still confined travel
Wave Height:	variable	Other notes on sea conditions:	Waves high away from ice, strong current
Other pertinent notes:	Waves high, especially as wind increased. Water calm near ice.		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? No **If yes, describe below**

GPS track? Yes **GPS File Name:** BO1_090706.gdb
If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/07/06 **Crew:** Oyagak **GPS Type:** Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
BO2	AL	18'	Yamaha 70	2

Whaling today? Yes **If not, why not?**

Time departed: 1:42 PM **Time returned:** 4:44 PM
Trip time of 3hours 02 minutes, roundtrip of 62.7 miles and furthest point from Cross Island of 29.3 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
none			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	SE again, within icepack (confined by ice still)
Time spent actively scouting/# people looking:	30 to 70 minutes (see notes)
Time spent in travel/tow/assistance to other boats/on "break":	NA
Notes:	BO2 was a less-seaworthy vessel than the other whaling boats and so stayed in the more open water areas. It also left Cross Island well after the other boats and only spent about 30 minutes in "scouting" mode (plus 30 to 40 minutes on some grounded ice on break, but also looking out for whales).

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	No	Weather notes:	BP 29.6 and falling
Wind Direction:	variable	Wind speed and other notes:	0-20 mph, direction variable, shift to E as speed up
% Ice Coverage:	variable	Ice Type:	Floating floes Other Notes: Ice edge still confined travel
Wave Height:	variable	Other notes on sea conditions:	Waves high away from ice, strong current
Other pertinent notes:	Waves high, especially as wind increased. Water calm near ice.		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? No **If yes, describe below**

GPS track? Yes **GPS File Name:** BO2_090706.gdb
If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/07/06 **Crew:** Aqargiun **GPS Type:** Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
IAN	FG	20'	Yamaha 225	7

Whaling today? Yes **If not, why not?**

Time departed: 8:34 AM **Time returned:** 4:48 PM
Trip time of 8 hours 14 minutes, roundtrip of 50.2 miles and furthest point from Cross Island of 20.6 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
IAN_090706a	N70 18.903 W147 16.781	15:25	unspecified point - may be open water, not a whale

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	SE again, within icepack (confined by ice still)
Time spent actively scouting/# people looking:	8:14 (entire trip, no breaks noted)
Time spent in travel/tow/assistance to other boats/on "break":	NA
Notes:	The IAN boat did not have much to report. They saw one seal on the broken ice. They did not see any whales, although they looked for a bit in the general area of where the NUK boats saw a whale. After going to this area, IAN decided to head back to Cross Island because of the current bringing the ice in. The ice could be enough to crush the boat, or a boat could be stuck on the other side of the ice. They followed the ice edge on the way out, but found open water in the SE part of the track (but with current and waves). On the way back they were in mostly open water with "floaters" (ice chunks).

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	No	Weather notes:	BP 29.6 and falling
Wind Direction:	variable	Wind speed and other notes:	0-20 mph, direction variable, shift to E as speed up
% Ice Coverage:	variable	Ice Type:	Floating floes Other Notes: Ice edge still confined travel
Wave Height:	variable	Other notes on sea conditions:	Waves high away from ice, strong current
Other pertinent notes:	Waves high, especially as wind increased. Water calm near ice.		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? No **If yes, describe below**

GPS track? Yes **GPS File Name:** IAN_090706.gdb
If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/07/06 **Crew:** Nukapigak **GPS Type:** Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
NUK1	AL	18'	Yamaha 115	3

Whaling today? Yes **If not, why not?**

Time departed: 9:02 AM **Time returned:** 4:32 PM
Trip time of 7 hours 30 minutes, roundtrip of 56.0 miles and furthest point from Cross Island of 23.5 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
nuk1_090706a	N70 19.909 W147 10.566	13:48	Estimated position of WHALE SIGHTING (25-footer)
nuk1_090706b	N70 18.837 W147 18.839	15:14	estimated position of turning off motor and listening

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	SE again, within icepack (confined by ice still)
Time spent actively scouting/# people looking:	7:30 (entire trip, including lunch break)
Time spent in travel/tow/assistance to other boats/on "break":	NA

Notes: NUK1 went southeast, the same as the other boats. They stayed pretty much along the ice edge, but did not try to penetrate it very much as they had reports from other boats that the current was very strong once out of the ice. From Narwhal Island to the SE the ice was more broken up and there was more open water. A little NW of Pole Island they took a lunch break (11:50-1:11) and then decided to turn around and head back to Cross Island slowly, as the wind had picked up. Near their furthest point SW of Cross Island, NE of Pole Island, they saw a whale and followed it about 45 minutes. They only saw it one time, so that they were more looking for it than following it. They estimated it as a 25 footer, and estimated the sighting to be at point nuk1_090706a (1:48 PM). After not seeing this whale again they proceeded SW until about due west of Pole Island and shut off their outboard to wait and listen (estimated point nuk1_090706b, 3:41 PM). They did not hear or see anything. The estimated point actually seems to mark the end of the waiting period, during which they drifted SSW to end up at point nuk1_090706b. They then turned the outboard on again and headed NW, probably to meet up with the other boats and to head back to Cross Island. During their trip there was still lots of floating ice where they were. Inside the barrier islands it was mostly open water. The whale they saw was in the open water, right beside some floating ice. They were on their way back to Cross Island, slowly, when they saw the whale. They also saw maybe 3 natchiq and no oogruk on this trip. Not long before they saw the whale, NUK1 and NUK3 were together and used the fish finder and saw big fish (whales) right on the bottom – estimated size as 40 feet. There were no other boats with them.

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	No	Weather notes:	BP 29.6 and falling
Wind Direction:	variable	Wind speed and other notes:	0-20 mph, direction variable, shift to E as speed up
% Ice Coverage:	variable	Ice Type:	Floating floes Other Notes: Ice edge still confined travel
Wave Height:	variable	Other notes on sea conditions:	Waves high away from ice, strong current
Other pertinent notes:	Waves high, especially as wind increased. Water calm near ice.		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? No **If yes, describe below**

GPS track? Yes **GPS File Name:** NUK1_090706.gdb

If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/07/06 **Crew:** Nukapigak **GPS Type:** Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
NUK3	AL	18'	Mercury 125	3

Whaling today? Yes **If not, why not?**

Time departed: 9:18 AM **Time returned:** 4:31 PM
Trip time of 7 hours 13 minutes, roundtrip of 56.3 miles and furthest point from Cross Island of 23.5 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
none			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	SE again, within icepack (confined by ice still)
Time spent actively scouting/# people looking:	7:13 (entire trip, including lunch break)
Time spent in travel/tow/assistance to other boats/on "break":	NA
Notes:	NUK3 headed generally SE of Cross Island, as did the other boats. They tried to go NE of Narwhal Island, but encountered a strong current and had to head back in to the shoreside of the barrier islands. The waves out further were too high and the current too strong. They traveled alone for a bit, and then joined up with NUK1. They saw one natchiq and maybe one young oogruk on the trip. They got together for lunch with NUK1 north of Pole Island (a slow drift to the South, 11:45 AM – 1:11 PM). This marked their furthest point from Cross Island and they headed back to Cross Island slowly from this point. On the way back to Cross Island they stayed close to the ice edge to stay away from the waves, as it was calmer closer to the ice. Once they got past Narwhal Island, they encountered more waves and the whitecaps were really picking up. They had planned to check for whales north of Narwhal, but decided not to because of conditions. They heard reports from IAN, UA, and BO crews that the current was too strong up there. The NUK boats were ahead of the other boats, and stopped near Pole Island and then again further west with their engine off to listen for whales. Ice conditions were not as bad as to the NW. There was no solid ice – it was all broken ice bergs. NUK3 reported seeing a barge heading west, in the morning between an estimated time of 10:30-11:00 AM. This barge was south of NUK3 (and so was within the barrier islands) and seemed to be heading toward Endicott or West Dock. This was on the west side of Narwhale Island, estimated as 5 or 6 miles away [but looking at the track, was probably not this far]. They did not mark any points – see NUK1 discussion points.

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	No	Weather notes:	BP 29.6 and falling
Wind Direction:	variable	Wind speed and other notes:	0-20 mph, direction variable, shift to E as speed up
% Ice Coverage:	variable	Ice Type:	Floating floes
		Other Notes:	Ice edge still confined travel
Wave Height:	variable	Other notes on sea conditions:	Waves high away from ice, strong current
Other pertinent notes:	Waves high, especially as wind increased. Water calm near ice.		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? No **If yes, describe below**

GPS track? Yes **GPS File Name:** NUK3_090706.gdb

If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/07/06 **Crew:** Ahkiviana **GPS Type:** Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
UA1	FG	20'	Yamaha 150	6

Whaling today? Yes **If not, why not?**

Time departed: 8:39 AM **Time returned:** 4:45 PM
Trip time of 8 hours 09 minutes, roundtrip of 67.8 miles and furthest point from Cross Island of 29.3 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
none			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	SE again, within icepack (confined by ice still)
Time spent actively scouting/# people looking:	7:39 (30 minute break noted)
Time spent in travel/tow/assistance to other boats/on "break":	NA
Notes:	The UA crew had little to remark on their track. On the way out they tried to get further north, but encountered ice and a strong current, so they turned back more to the SE of Cross Island. They found the same ice/sea conditions as reported by the NUK boats. At the easternmost point of their track UA said that there was one big piece of grounded ice. This was reason to turn back for the day, given the overall conditions, after a break of about 30 minutes (2:46 PM – 3:20 PM). No animal sightings reported.

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	No	Weather notes:	BP 29.6 and falling
Wind Direction:	variable	Wind speed and other notes:	0-20 mph, direction variable, shift to E as speed up
% Ice Coverage:	variable	Ice Type:	Floating floes Other Notes: Ice edge still confined travel
Wave Height:	variable	Other notes on sea conditions:	Waves high away from ice, strong current
Other pertinent notes:	Waves high, especially as wind increased. Water calm near ice.		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? No **If yes, describe below**

GPS track? Yes **GPS File Name:** UA1_090706.gdb
If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for all non-scouting vessels/day

Date: 09/08/06 Crew: various GPS Type: NA

Vessel	Type	Length	HP Motor	# crew aboard/notes
BO1	FG	18'	Yamaha 80	weather
BO2	AL	18'	Yamaha 70	weather
IAN	FG	20'	Yamaha 225	weather
NUK1	AL	18'	Yamaha 115	weather
NUK2	FG	20	Yamaha 200	repair
NUK3	AL	18'	Mercury 125	weather
UA1	FG	20'	Yamaha 150	weather
UA2	AL	18'	Yamaha 75	weather

Whaling today?	No	If not, why not?	Weather
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Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
NA			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	NA
Time spent actively scouting/# people looking:	NA
Time spent in travel/tow/assistance to other boats/on "break":	NA
Notes:	

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?		Weather notes:	BP 29.3 and falling (at low point)
Wind Direction:	E to NE	Wind speed and other notes:	12 mph decreasing to 5 mph
% Ice Coverage:	UNK	Ice Type:	UNK
Wave Height:	UNK	Other Notes:	
Other pertinent notes:			

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? Yes If yes, describe below

A nuisance polar bear was shot near 2 AM, and skinning and butchering were done by the end of the day.
--

GPS track? NA GPS File Name:

If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for all non-scouting vessels/day

Date: 09/09/06 Crew: various GPS Type: NA

Vessel	Type	Length	HP Motor	# crew aboard/notes
BO1	FG	18'	Yamaha 80	weather
BO2	AL	18'	Yamaha 70	weather
IAN	FG	20'	Yamaha 225	weather
NUK1	AL	18'	Yamaha 115	weather
NUK2	FG	20	Yamaha 200	repair
NUK3	AL	18'	Mercury 125	Weather – did go sealing near CI
UA1	FG	20'	Yamaha 150	weather
UA2	AL	18'	Yamaha 75	weather

Whaling today?	No	If not, why not?	Weather
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Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
NA			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	NA
Time spent actively scouting/# people looking:	NA
Time spent in travel/tow/assistance to other boats/on "break":	NA
Notes:	

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	Fog	Weather notes:	BP 29.3 and rising
Wind Direction:	shifting	Wind speed and other notes:	5-12 mph, shifts from NE to NW
% Ice Coverage:	UNK	Ice Type:	UNK
Wave Height:	UNK	Other Notes:	
Other pertinent notes:			

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? Yes If yes, describe below

NUK3 went out sealing, but without success. A GPS track was collected for this trip (no waypoints)
--

GPS track? Yes GPS File Name:

If not, why not? NUK3_090906.gdb

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for all non-scouting vessels/day

Date: 09/10/06 **Crew:** Various **GPS Type:** None

Vessel	Type	Length	HP Motor	# crew aboard/notes
NUK2	FG	20'	Yamaha 200	Under repair
BO2	AL	18'	Yamaha 70	Weather limited. Support boat
UA2	AL	18'	Yamaha 75	Logistic support boat only

Whaling today? No **If not, why not?** NUK2 under repair, others primarily support boats

Time departed: NA **Time returned:** NA

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
NA			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	<u>NA</u>
Time spent actively scouting/# people looking:	<u>NA</u>
Time spent in travel/tow/assistance to other boats/on "break":	<u>NA</u>
Notes:	<u>NA</u>

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	Yes	Weather notes:	<u>BP 29.5 and rising</u>
Wind Direction:	<u>NW</u>	Wind speed and other notes:	<u>9-16 mph</u>
% Ice Coverage:	<u>variable</u>	Ice Type:	<u>Floating floes</u> Other Notes: <u>Floating ice still thick</u>
Wave Height:	<u>variable</u>	Other notes on sea conditions:	<u>Open water encountered, waves quite high</u>
Other pertinent notes:	<u>Fog in morning, lifted in afternoon. Windier and rougher away from ice edge.</u>		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? No **If yes, describe below**

GPS track? NA **GPS File Name:**
If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/10/06 Crew: Oyagak GPS Type: Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
BO1	FG	18'	Yamaha 80	3/4
Whaling today?		Yes	If not, why not?	

Time departed: 9:32 AM/3:24 PM Time returned: 12:20 PM/6:45 PM

Trip time1 of 2 hours 48 minutes, roundtrip of 20.2 miles, furthest point from Cross Island of 7.8 miles

Trip time2 of 3 hours 21 minutes, roundtrip of 22.5 miles, furthest point from Cross Island of 8.4 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
BO1_091006a	N70 36.236 W147 58.860	10:20	coordinates given by UA1 as their position
bo1_091006b	N70 34.638 W148 00.967	11:39	estimated position of seal harvest
bo1_091006c	N70 34.788 W147 50.929	16:11	estimated position of ice edge
bo1_091006d	N70 34.975 W147 52.197	16:53	large piece of ice they tied up to for a while
BO1_091006e	N70 34.923 W147 51.973	18:24	where UA1 tried to take a seal (missed)

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	NNE and N in morning, NE in afternoon
Time spent actively scouting/# people looking:	6:09 (combined time of trips)
Time spent in travel/tow/assistance to other boats/on "break":	NA
Notes:	<p>BO1 headed out NNE somewhat after the UA1 boat, with which they tend to cooperate. They got an approximate position from the UA1 boat (miles from Cross island) and after not finding them (due to limited visibility due to fog) asked them for a position about 10:18. UA1 replied that they were waiting for the weather on an ice and gave position: N70 36.235 W147 58.836 and a bit later as N70 36.236 W147 58.860. They marked this point, labeled BO1_091006a. After a bit of drifting on this ice, they and UA1 decided to return to Cross Island as conditions did not seem to be improving. At point bo1_091006b (estimated position, not marked at the time) One crew member shot a seal with another's gun. Each offered to let the other shoot it (as the shooter gets to butcher it). They saw seals in several places, but did not indicate that they were especially numerous. They also indicated that ice was thickest near Cross Island and gradually thinned to "open water" (still containing floating ice) the further north one went, with more open water to the NE. Fog hampered their search and they came in along with UA1.</p> <p>The fog lifted and they went out again after eating. They headed NE of Cross Island, as had UA1. At the estimated point bo1_091006c they were at the ice edge and continued NE into open water, that extended as far as they could see. It got windier and rougher the farther they went from the floating ice, and they eventually had to turn back and return to near the ice edge. They then went NW a bit and then SW to a very large piece of ice (estimated point bo1_091006d). They drifted on this ice for a while and then decided to return to Cross Island – the open water was too rough for scouting (both UA1 and BO2 indicated that the waves made spotting blows difficult, as conditions in the open water approached white caps, with waves to 3 feet). Waves in the floating ice were much less, but whales would be hard to approach and follow in the ice. They then proceeded SE until they met up with UA1, continued together in a SE direction and then went SW back to Cross Island. UA1 tried to take a seal near marked point BO1_091006e.</p>

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	Yes	Weather notes:	BP 29.5 and rising
Wind Direction:	NW	Wind speed and other notes:	9-16 mph
% Ice Coverage:	variable	Ice Type:	Floating floes
Wave Height:	variable	Other Notes:	Floating ice still thick
Other pertinent notes:	Fog in morning, lifted in afternoon. Windier and rougher away from ice edge.		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? Yes If yes, describe below

BO1 did take a natchiq. UA1 attempted to take a natchiq.

GPS track? Yes GPS File Name:

If not, why not? BO1_091006.gdb

Date: 09/10/06 Crew: Aqargiun GPS Type: Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
IAN	FG	20'	Yamaha 225	7/4
Whaling today?		Yes	If not, why not?	

Time departed: 9:06 AM/2:42 PM Time returned: 1:02 PM/6:39 PM

Trip time1 of 3 hours 56 minutes, roundtrip of 18.3 miles, furthest point from Cross Island of 5.8 miles

Trip time2 of 3 hours 57 minutes, roundtrip of 27.2 miles, furthest point from Cross Island of 9.2 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
ian_091006a	N70 31.990 W147 58.117	9:47	estimated position of large polar bear
ian_091006b	N70 32.303 W147 57.122	9:56	estimated position of where fog started
ian_091006c	N70 33.395 W147 51.658	15:05	estimated position of reaching open water
ian_091006d	N70 32.320 W147 48.533	17:49	estimated position of where ice started on return trip
ian_091006e	N70 30.828 W147 54.992	18:28	estimated position of bearded seal

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	N and NE in morning, NE in afternoon
Time spent actively scouting/# people looking:	7:53 (combined time of trips)
Time spent in travel/tow/assistance to other boats/on "break":	NA
Notes:	<p>The IAN boat went out North from Cross Island through the ice and then went NE as the ice thinned. They gave no real reasons for the "jogs" in the track, other than that they wanted to look in different areas. The IAN boat and NUK1 tended to stay near each other on this trip. They saw a large polar bear at estimated point ian_091006a, not far before they ran into the fog at estimated point ian_091006b. The polar bear was swimming in the water and was a 10 to 12 footer. The polar bear saw them in the boat and went on some ice and followed the boat. They saw it several times after that, during the day. They saw at least one oogruk and some seals and such but did not elaborate on these aspects of the trip. Fog was the reasons for turning back and going back to Cross Island so early.</p> <p>The fog lifted somewhat and they went out again after eating a bit. They were the first boat to go back out and may have been a factor in why two other crews also went out scouting again. The IAN boat headed NE from Cross Island, weaving through floating ice until they reached "open water" at estimated point ian_091006c. As for other crews, this did not mean the absence of floating ice, but rather a preponderance of open water such that the boat did not have to do an excessive amount of maneuvering and visibility and ability to spot whales was relatively good. They continued in open water until estimated point ian_091006d, on their way back to Cross Island. They turned around because other boats were doing so, due to rough sea conditions. IAN remarked that the currents were very strong between the islands, and that the currents may have been stronger than the wind this day. They saw an oogruk at estimated point ian_091006e and saw a few other natchiqs along the way as well (associated with floating ice). The oogruk was a 6 to 7 foot young seal and was showing its entire body.</p>

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	Yes	Weather notes:	BP 29.5 and rising
Wind Direction:	NW	Wind speed and other notes:	9-16 mph
% Ice Coverage:	variable	Ice Type:	Floating floes
Wave Height:	variable	Other Notes:	Floating ice still thick
Other pertinent notes:	Fog in morning, lifted in afternoon. Windier and rougher away from ice edge.		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? No If yes, describe below

GPS track? Yes GPS File Name:

If not, why not? IAN_091006.gdb

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/10/06 **Crew:** Nukapigak **GPS Type:** Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
NUK1	AL	18'	Yamaha 115	3

Whaling today?	Yes	If not, why not?	
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Time departed: 9:33 AM **Time returned:** 12:11 PM
Trip time of 2 hours 38 minutes, roundtrip of 20.6 miles, furthest point from Cross Island of 7.0 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
none			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	NE, similar to other boats
Time spent actively scouting/# people looking:	2:38 (entire trip)
Time spent in travel/tow/assistance to other boats/on "break":	NA
Notes:	<p>NUK1 left Cross Island and headed north and the NE, similar to the IAN boat but traveled a bit further east. They came back because of fog and the same conditions as the other boats.</p> <p>The NUK boats did not go out on a second trip, judging that conditions were fairly marginal for scouting and were not likely to significantly improve. The other three crews went out because the weather for the next several days was predicted to get worse. The NUK crew also wanted to work on some alterations to their cabin. The NUK crew noted that although the boats (and especially those that went out for a second trip) said that they encountered open water, it was not until the next day that they actually went a significant distance away from the ice. This was due to wavy conditions away from the ice edge on 9/10, whereas 9/11 was much calmer away from the ice edge. 9/11 was also the first day that the Nuiqsut whalers spotted significant numbers of whales (and they reported that this was also the case for the Kaktovik whalers).</p>

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	Yes	Weather notes:	BP 29.5 and rising		
Wind Direction:	NW	Wind speed and other notes:	9-16 mph		
% Ice Coverage:	variable	Ice Type:	Floating floes	Other Notes:	Floating ice still thick
Wave Height:	variable	Other notes on sea conditions:	Open water encountered, waves quite high		
Other pertinent notes:	Fog in morning, lifted in afternoon. Windier and rougher away from ice edge.				

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities?	No	If yes, describe below
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GPS track? Yes **GPS File Name:** NUK1_091006.gdb
If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/10/06 **Crew:** Nukapigak **GPS Type:** Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
NUK3	AL	18'	Mercury 125	3

Whaling today?	Yes	If not, why not?	
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Time departed: 9:46 AM **Time returned:** 1:03 PM
Trip time of 3 hours 17 minutes, roundtrip of 23.4 miles, furthest point from Cross Island of 8.9 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
none			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	N, similar to other boats
Time spent actively scouting/# people looking:	3:17 (entire trip)
Time spent in travel/tow/assistance to other boats/on "break":	NA
Notes:	<p>NUK3 headed more north of Cross Island and reported that the fog did lift some at about 1 mile from Cross Island, but that for the most part it was too foggy on the water to see much at all. They stayed out longer than NUK1 and most other boats.</p> <p>The NUK boats did not go out on a second trip, judging that conditions were fairly marginal for scouting and were not likely to significantly improve. The other three crews went out because the weather for the next several days was predicted to get worse. The NUK crew also wanted to work on some alterations to their cabin. The NUK crew noted that although the boats (and especially those that went out for a second trip) said that they encountered open water, it was not until the next day that they actually went a significant distance away from the ice. This was due to wavy conditions away from the ice edge on 9/10, whereas 9/11 was much calmer away from the ice edge. 9/11 was also the first day that the Nuiqsut whalers spotted significant numbers of whales (and they reported that this was also the case for the Kaktovik whalers).</p>

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	Yes	Weather notes:	BP 29.5 and rising		
Wind Direction:	NW	Wind speed and other notes:	9-16 mph		
% Ice Coverage:	variable	Ice Type:	Floating floes	Other Notes:	Floating ice still thick
Wave Height:	variable	Other notes on sea conditions:	Open water encountered, waves quite high		
Other pertinent notes:	Fog in morning, lifted in afternoon. Windier and rougher away from ice edge.				

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities?	No	If yes, describe below
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GPS track? Yes **GPS File Name:** NUK3_091006.gdb

If not, why not?	
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cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/10/06 Crew: Ahkiviana GPS Type: Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
UA1	FG	20'	Yamaha 125	6/4

Whaling today? Yes If not, why not?

Time departed: 9:17 AM/3:05 PM Time returned: 12:09 PM/6:45 PM

Trip time1 of 2 hours 52 minutes, roundtrip of 20.4 miles, furthest point from Cross Island of 7.9 miles

Trip time2 of 3 hours 40 minutes, roundtrip of 20.0 miles, furthest point from Cross Island of 9.9 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
ua1_091006a	N70 33.116 W148 04.834	9:37	estimated start of open water (ice edge)
ua1_091006b	N70 34.638 W148 00.967	9:59	estimated position of trying for a seal
UA1_091006c	N70 36.236 W147 58.860	10:19	relatively open water (but maybe not a distinct ice edge)

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation): NW and N in morning, NE in afternoon

Time spent actively scouting/# people looking: 6:32 (combined time of trips)

Time spent in travel/tow/assistance to other boats/on "break": NA

Notes: UA1 headed out NW and then N and reported ice until about point aal_091006a. They did not mark this point, and they did not mean that there was no ice encountered after this point. Rather, in their perception, floating ice was a concern before this point (was thick enough to have to zigzag around) while after this point there were significant areas where the boat could proceed in a straight line for a bit. They did not assign percentages of ice coverage to these descriptions, and other crews gave very similar accounts (and very similar threshold points where the comparatively "open water" began). UA1 started to veer NE soon after their "threshold point" and described the overall trend as heavy ice coverage near Cross Island and progressively less as they went further north until to the NE of their furthest point there was quite open water (UA1_091006c). At this furthest point they stopped and drifted (on some ice) and waited for the conditions to change. It was not rough here, so they were still within the floating ice, but it was apparent from the second trip of the day that they had almost reached the open water on this first trip. They could not see the open water because of the fog. Fog was the main concern as they had very limited visibility and striking a whale, even if they happened to be in position, would have been very chancy. Unless it was an instant kill the whale would be very difficult to follow – the usual length of a bowhead's dive exceeded the distance they could see (or hear) a blow. After waiting a bit in the company of BO1, both UA1 and BO1 returned to Cross Island, not wanting to spend too much time out in such conditions on the chance that they might change. They saw some seals in the ice on this trip. BO1 took a seal and marked a point where UA1 was trying for a seal (ua1_091006b).

The fog lifted and they went out again after eating a bit. UA1 went out on its second trip and headed NE of Cross Island. They did not encounter fog this time and reached open water. They described the ice they went through to reach open water as fairly heavy, but pretty much the same in terms of coverage. It did require that they zigzag to avoid chunks of ice, but they could maneuver in a fairly consistent direction. About 6 miles out from Cross Island they saw a large polar bear on the ice. It just sat down and watched them, which meant that it was not very hungry. When they reached open water they turned east and stayed in open water, but close to the floating ice edge. It was too rough and wavy if they went far from this floating ice edge. They decided to turn around, and this defined their easternmost point, when BO1 radioed them that the BO1 boat was thinking of heading back to Cross Island, since the conditions in open water were so rough. The path of UA1 back west was pretty much the ice edge. It was windier and rougher the further they went from the ice edge. The UA1 boat saw seals in several locations but did not mark any points or point out these areas in general. All were associated with floating ice. The BO1 track does indicate some of these seal locations.

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	Yes	Weather notes:	BP 29.5 and rising
Wind Direction:	NW	Wind speed and other notes:	9-16 mph
% Ice Coverage:	variable	Ice Type:	Floating floes
Wave Height:	variable	Other Notes:	Floating ice still thick
Other pertinent notes:	Fog in morning, lifted in afternoon. Windier and rougher away from ice edge.		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? Yes If yes, describe below

Attempted to harvest natchiq, but not successful. BO1 did take a natchiq.

GPS track? Yes GPS File Name:

If not, why not? UA1_091006.gdb

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for all non-scouting vessels/day

Date: 09/11/06 **Crew:** Various **GPS Type:** None

Vessel	Type	Length	HP Motor	# crew aboard/notes
NUK2	FG	20'	Yamaha 200	Under repair
UA2	AL	18'	Yamaha 75	Logistic support boat only

Whaling today? No **If not, why not?** NUK2 under repair, UA2 primarily a support boat

Time departed: NA **Time returned:** NA

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
NA			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	<u>NA</u>
Time spent actively scouting/# people looking:	<u>NA</u>
Time spent in travel/tow/assistance to other boats/on "break":	<u>NA</u>
Notes:	<u>NA</u>

Observations of Whaling Crew – weather, sea state, ice-conditions

Fog or clouds?		Weather notes:	<u>BP 30.05 and rising</u>
Wind Direction:	<u>shifted</u>	Wind speed and other notes:	<u>0-12 mph, direction shift from NW to Easterly</u>
% Ice Coverage:	<u>variable</u>	Ice Type:	<u>Floating floes</u> Other Notes: <u></u>
Wave Height:	<u>0-4'</u>	Other notes on sea conditions:	<u>First day to reach open water to boat in</u>
Other pertinent notes:	<u></u>		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? No **If yes, describe below**

GPS track? NA **GPS File Name:**
If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/11/06 Crew: Oyagak GPS Type: Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
BO1	FG	18'	Yamaha 80	3

Whaling today? Yes If not, why not?

Time departed: 9:11 AM Time returned: 1:23 PM

Trip time of **4 hours 12 minutes, roundtrip of 26.7 miles, furthest point from Cross Island of 8.3 miles**

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
bo1_091106a	N70 34.198 W147 56.156	9:56	open water (ice edge)
bo1_091106b	N70 33.218 W147 40.655	11:00	rest spot on ice berg, easternmost point of track
BO1_091106c	N70 32.711 W147 46.428	11:56	steering broke down

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation): NW, appeared to be more open

Time spent actively scouting/# people looking: 2:45 (trip until steering broke)

Time spent in travel/tow/assistance to other boats/on "break": NA

Notes: BO1 headed NW from Cross Island, zig-zagging through the ice around Cross Island. They headed NW because it appeared to be a little more open, and veered to the NE when they could see a reasonably clear way to do so. They continued NE until they saw more open water and then went more NNE towards it and into the open water (estimated Point bo1_091106a). This water was too rough – too wavy – to scout in (3 to 4 foot swells) and so BO1 returned to the edge of the ice. The ice edge was a convex arc in this area and BO1 continued in an easterly direction along the ice edge, probing to the north into the open water two (maybe three) times (unmarked locations). Each time the open water was still too wavy to navigate. BO1 stopped for a bit on an ice berg at the easternmost point of the track (estimated point bo1_091106b) and turned back after drifting for a bit on the ice at about .3 to .5 miles per hour. They were still within the ice edge, but close to open water. Their steering broke down at marked point BO1_091106c. They requested assistance and the IAN boat, apparently the boat closest to them, towed them to Cross Island, again mostly within the floating ice edge (not open water). BO1 reported not seeing any animals of note – only seagulls and other bears. No sea mammals.

Observations of Whaling Crew – weather, sea state, ice-conditions

Fog or clouds?		Weather notes:	BP 30.05 and rising
Wind Direction:	shifted	Wind speed and other notes:	0-12 mph, direction shift from NW to Easterly
% Ice Coverage:	variable	Ice Type:	Floating floes
Wave Height:	0-4'	Other Notes:	First day to reach open water to boat in
Other pertinent notes:			

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? No If yes, describe below

GPS track? Yes GPS File Name: BO1_091106.gdb

If not, why not? Waves bigger farther away from ice

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/11/06 Crew: Oyagak GPS Type: Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
BO2	AL	18'	Yamaha 70	2
Whaling today?		Yes	If not, why not?	

Time departed: 4:51 PM Time returned: 6:59 PM

Trip time of **4 hours 12 minutes, roundtrip of 26.7 miles, furthest point from Cross Island of 8.3 miles**

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
bo2_091106a	N70 33.609 W147 54.118	17:05	reached open water (ice edge)
bo2_091106b	N70 35.214 W147 58.817	17:14	encountered ice again, turned north
bo2_091106c	N70 45.710 W148 00.123	18:00	open water 18 or 19 miles N of CI, rough and wet
bo2_091106d	N70 44.798 W148 06.512	18:00	SAW BLOWS (others already chasing whales)
bo2_091106e	N70 42.891 W148 15.134	18:15	harpoon line pulled overboard, returned to CI
bo2_091106f	N70 37.459 W148 16.054	18:35	reentered ice pack (ice edge)

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	NW, W, and N to find open water
Time spent actively scouting/# people looking:	1:09 (trip until became too rough & they turned back)
Time spent in travel/tow/assistance to other boats/on "break":	NA
Notes:	<p>After BO1 was towed in, there was interest among BO crew members in trying to take BO2 out on to the water. The minimum requirements to do so were putting a splashboard in back, modifying the front a bit to allow the deployment of a harpoon, and caulking at least the worst of the loose rivets (splashboard and front may have been done on an earlier day). These modifications were made and BO2 left CI heading NNE. Once it was in the open water (estimated point bo2_091106a) BO2 headed NW a little ways and the W and hit the ice again (estimated point bo2_091106b), at which point it went almost directly N until about 18 or 19 miles from Cross Island (estimated point bo2_091106c). BO2 was encountering high waves and he crew was getting very wet, so they turned and intended to join the boats chasing the two whales seen by UA1 (and other boats). This was a pretty direct line from bo2_091106c to bo2_091106e. En route they saw some blows at estimated point bo2_091106d. It appeared to them that the blows were small and pretty much moving west. They did not bother broadcasting these sightings since the other boats were already engaged in chasing other whales. At estimated point bo2_091106e their harpoon line was pulled overboard by something and they had to stop the boat and bring it back on board, and then had to return to Cross Island to repack it. They did so by going directly S to the ice edge (estimated point bo2_091106f) and then SE through the ice to Cross Island.</p> <p>The crew estimated the waves at up to 3.5 feet and indicated that it got rougher as they went further from the ice. The boat hull did not take in much water BUT quite a bit of water came in over the front. They do not think this boat will go out in the open water again, but may be used in conditions where ice is present or it is near a dead calm. The ice edge was defined by points bo2_091106a, bo2_091106b, and bo2_091106f. Conditions in the open water were so rough that the GPS was shaken loose and temporarily lost in the back of the boat. It lost reception (for obvious reasons) so the track is only partial. Crew members were able to reconstruct the track.</p>

Observations of Whaling Crew – weather, sea state, ice-conditions

Fog or clouds?		Weather notes:	BP 30.05 and rising
Wind Direction:	shifted	Wind speed and other notes:	0-12 mph, direction shift from NW to Easterly
% Ice Coverage:	variable	Ice Type:	Floating floes
Wave Height:	0-4'	Other notes on sea conditions:	First day to reach open water to boat in
Other pertinent notes:			

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? No If yes, describe below

GPS track? Yes **GPS File Name:** BO2_091106.gdb (partial)

If not, why not? Waves bigger farther away from ice

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/11/06 Crew: Aqargiun GPS Type: Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
IAN	FG	20'	Yamaha 225	5/6

Whaling today? Yes If not, why not?

Time departed: 8:36 AM/2:16 PM Time returned: 1:23 PM/8:29 PM

Trip time of **4 hours 47 minutes**, roundtrip of **27.4 miles**, furthest point from Cross Island of **7.5 miles**

Trip time of **6 hours 13 minutes**, roundtrip of **73.1 miles**, furthest point from Cross Island of **22.0 miles**

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
IAN_091106a	N70 33.038 W147 55.749	8:52	unknown
ian_091106b	N70 33.753 W147 55.106	8:56	entered ice about this point (ice edge)
IAN_091106c	N70 33.423 W147 44.585	11:30	position of IAN boat when BO1 requested assistance
IAN_091106d	N70 33.631 W147 46.585	15:20	unknown
IAN_091106e	N70 30.170 W147 57.021	15:23	unknown
IAN_091106f	N70 31.419 W147 51.411	16:03	Estimated position of ice edge (reached open water)
IAN_091106i	N70 42.735 W148 02.031	17:16	First WHALE SIGHTING of the day for (lost it)
ian_091106j	N70 44.579 W148 10.559	18:04	Second WHALE IAN chased this day (30-footer, lost it)
ian_091106k	N70 44.882 W148 13.566	18:07	this same 2nd whale, near the start of the chase
ian_091106l	N70 46.834 W148 21.802	18:36	approx. area IAN lost 2nd whale, many BLOWS to N
ian_091106m	N70 35.284 W148 03.461	20:04	approx. ice edge on return trip to CI
ian_091106n	N70 41.803 W148 04.376	17:10	several large ice bergs encountered
ian_091106o	N70 37.813 W148 04.283	19:54	ice edge
ian_091106p	N70 44.232 W148 14.089	ref. pt.	ice edge
ian_091106q	N70 33.432 W147 52.385	ref. pt.	ice edge

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	NNE morning, E and then N afternoon
Time spent actively scouting/# people looking:	7:14 (combined trips – excludes BO1 tow and last return)
Time spent in travel/tow/assistance to other boats/on "break":	3:46 (half tow of BO1, half travel)

Continued on Next Page

Notes: The IAN boat headed NNE from Cross Island with 5 on board. Most of this was in the open water, until they entered the ice pack about estimated point ian_091106b. They found the open water conditions away from the ice too rough. They were traveling in this fairly rough ice, searching in no particular pattern (at least no explanation given for circles) when they heard BO1 announce that it has lost its steering, at about 11:25 AM. The IAN boat was the closest to the BO1 boat (only about 1.2 mile away and they volunteered to tow them to Cross Island. The IAN boat found them (BO1_091106c) and towed them back to Cross Island. Point IAN_091106c is likely where the IAN boat was when it received the coordinates for the BO1 boat. It is not known what points IAN_091106d and IAN_091106a represent.

After a short break to renew their coffee supplies, IAN headed out again with 6 on board. IAN went east from Cross Island and hit heavy packed ice – very dense. They had a difficult time finding their way through this and had to backtrack several times. Point IAN_091106e is of unknown significance. It is likely that point IAN_091106f is at or near where IAN finally made it into open water. Because they had towed BO1 back to Cross Island, they were behind the other boats in going out to look for whales. They may have been given the coordinates for two whales being chased by UA1, NUK1, and the other boats, in the approximate location of point UA1_091106c. The IAN crew did not see either of these two whales until later, however. Point IAN_091106i marks the first whale the IAN boat saw this day. They chased this whale a little ways east, but lost track of it at the end of that east segment of the track. They only saw this whale a couple of times. The IAN boat then went west to where the UA1 boat and others were chasing three whales together. UA1 went after a whale to the NE while IAN went after a whale that went more west (estimated point ian_091106j). They chased this whale long enough that it got really tired. It was surfacing at intervals of 5 minutes or less, and was coming up for two or even three times for each of those intervals. They estimated that it was a 30-footer. A point marked at the beginning of chase was IAN_091106k. They estimate that they lost track of this whale near the northernmost point of the track (not marked) but near where IAN reported running over the “bubbles” of a whale diving (estimated point ian_091106l). After losing track of this whale the IAN boat decided to go back to Cross Island, as it was getting late, and they were very wet and tired. They were still seeing many blows to the north of them. They came in at high speed (15 to 25 mph, it appears) and the waters were ice-free until about 7 miles from Cross Island (estimated point ian_091106m). This is where they had to start swerving around floating ice. Most of their trip was in open water, and only the harpooner (in the front of the boat) got wet.

When the IAN boat was going out from Cross Island, they encountered large ice bergs at 14 to 15 miles from Cross Island (estimated point ian_091106n). They also described the ice as forming several “bays” of water – concave arcs of ice – defined by the endpoints ian_091106o, ian_091106p, and ian_091106q. This ice was described as “loose” and a boat could get through it easily enough, especially as compared with the ice to the east of Cross Island, which was quite compacted and solid. A boat could not really get through this ice to the east of Cross Island. The water in the and between the floating ice was calm while the open water was choppy with waves of 3 feet or so. The IAN crew thought that this was true for most of open water they encountered. They saw a bearded seal just before they reached Cross Island on their return trip. They ran over some ice on the way out from CI and developed a leak that required repair on the island.

Observations of Whaling Crew – weather, sea state, ice-conditions

Fog or clouds?		Weather notes:	BP 30.05 and rising
Wind Direction:	shifted	Wind speed and other notes:	0-12 mph, direction shift from NW to Easterly
% Ice Coverage:	variable	Ice Type:	Floating floes
Wave Height:	0-4'	Other Notes:	
Other pertinent notes:	Other notes on sea conditions: First day to reach open water to boat in		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? No **If yes, describe below**
GPS track? Yes **GPS File Name:** IAN_091106.gdb
If not, why not? Waves bigger farther away from ice

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/11/06 **Crew:** Nukapigak **GPS Type:** Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
NUK1	AL	18'	Yamaha 115	4

Whaling today? Yes **If not, why not?**

Time departed: 8:35 AM **Time returned:** 7:50 PM

Trip time of 11 hours 15 minutes, roundtrip of 107 miles, furthest point from Cross Island of 19.7 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
nuk1_091106a	N70 29.202 W147 20.991	12:44	where NUK1 met NUK3 - stayed together after this

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation): NE, then SE to look near Narwhal and Pole Islands

Time spent actively scouting/# people looking: 11:15 (entire trip, no notes on breaks)

Time spent in travel/tow/assistance to other boats/on "break": NA

Notes: The NUK1 track is partial, as the first part was apparently overwritten due to the length of the trip and the memory limitations of the GPS used. NUK1 headed NE from Cross Island, and then SE to try to look in the areas of Narwhal and Pole Islands, but the ice was simply too thick to get through in that direction. One description was "combat ice" and "pieces of junk." NUK1 met up with NUK3 at estimated point nuk1_091106a. From this point on the tracks of NUK1 and NUK3 are nearly the same, and the two tracks are discussed together in the NUK3 paragraph below on the NUK3 Boat Report Form.

Observations of Whaling Crew – weather, sea state, ice-conditions

Fog or clouds?		Weather notes:	BP 30.05 and rising
Wind Direction:	shifted	Wind speed and other notes:	0-12 mph, direction shift from NW to Easterly
% Ice Coverage:	variable	Ice Type:	Floating floes Other Notes:
Wave Height:	0-4'	Other notes on sea conditions:	First day to reach open water to boat in
Other pertinent notes:			

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? No **If yes, describe below**

GPS track? Yes **GPS File Name:** NUK1_091106.gdb (partial)

If not, why not? Waves bigger farther away from ice

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/11/06 Crew: Nukapigak GPS Type: Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
NUK3	AL	18'	Mercury 125	3
Whaling today?		Yes	If not, why not?	

Time departed: 8:26 AM Time returned: 7:51 PM

Trip time of 11 hours 25 minutes, roundtrip of 107 miles, furthest point from Cross Island of 19.6 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
nuk3_091106a	N70 32.313 W147 48.049	8:47	open water (ice edge), about 5 miles from CI
nuk3_091106b	N70 29.104 W147 19.551	12:37	returned to the ice because of high swells in open water
nuk3_091106c	N70 35.551 W147 49.625	14:44	small WHALE SIGHTING (25-footer), about 7.8 miles
nuk3_091106d	N70 39.383 W148 01.645	16:04	two different WHALES (1st seen by UA1)
nuk3_091106e	N70 43.373 W147 56.220	17:36	three dif. WHALES (1st seen by BO1) + BLOWS to N
nuk3_091106f	N70 43.503 W148 15.052	18:50	MOTHER WHALE W/CALF

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	NE, in the search for open water and whales
Time spent actively scouting/# people looking:	11:25 (entire trip, but probably about 2 hours+ travel at end)
Time spent in travel/tow/assistance to other boats/on "break":	NA

Notes: NUK3 headed NE from Cross Island through floating ice, reaching open water at about 5 miles from Cross Island (point nuk3_091106a). NUK3 then went out into the open water, NE about 15.5 miles from Cross Island. The swells were quite high, so NUK3 returned to the ice (point nuk3_091106b). This is close to where NUK1 and NUK3 came together and their tracks are essentially the same from this point on (although NUK3 was approximately 1 mile behind NUK1). In the open water, with no ice, the swells typically were 2 to 3 feet, but could be as high as 4 or 5 feet. The water was calmer near (and in) the ice. About 7.8 miles from Cross Island NUK1 saw a small whale, maybe 25 feet (point nuk3_091106c). It was in open water and had a small blow. This was the very first whale spotted, they say. NUK1 and 3 chased, followed, or looked for this whale 30 to 45 minutes, but only saw it once. It led them to another two whales however – the ones that UA1 saw. NUK1 and 3 helped in chasing these whales (point nuk3_091106d). These 2 whales were going in circles. NUK3 says that they were with UA1 and split from NUK1, but the two were not that separate. The whale first headed south toward the ice, but then NUK3 sort of went on top where the whale had dived, which spooked the whale, and the whale turned north. This whale was about 26 or 27 feet long. These whales led both boats north, where they saw that the whale would lead them further north into rougher waters, too far from Cross Island in their view. Thus they turned around and went west to where UA1 had seen some other whales. NUK1 and NUK3 also saw blows to the north. The open water to the north was too rough to scout towards these blows. They then went SW to where the BO boat had called that they had sighted 3 whales (nuk3_091106e). They maybe followed them a bit, and saw other blows to the north, but did not want to scout any more north than where they were. They did scout some to the west, while seeing still more blows to the north, and finally just decided to go back to the island since everyone was soaked. On the way back to the island they saw a mother with a calf (nuk3_091106f). The mother was in the open water and the calf in the ice. NUK3 almost threw a harpoon at point nuk3_091106d, but other circumstances intervened. The NUK boats also say that the first small whale (nuk3_091106c) just came up in front of the boat and they would have had a chance if their harpoon had been ready. Because of the rough seas, it was not – the whale simply appeared too quick and only came up twice, with no real blow. The two whales they chased for quite a while (nuk3_091106d) were spooked. The best chance they had was right at the start when they first came up to them. Further north they were in water with white caps. After the start they just saw the blow of this whale – not the muktuk (never got close to it).

Observations of Whaling Crew – weather, sea state, ice-conditions

Fog or clouds?		Weather notes:	BP 30.05 and rising
Wind Direction:	shifted	Wind speed and other notes:	0-12 mph, direction shift from NW to Easterly
% Ice Coverage:	variable	Ice Type:	Floating floes
Wave Height:	0-4'	Other notes on sea conditions:	First day to reach open water to boat in
Other pertinent notes:			

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? No If yes, describe below

GPS track? Yes GPS File Name: NUK3_091106.gdb

If not, why not? Waves bigger farther away from ice

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/11/06 Crew: Ahkiviana GPS Type: Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
UA1	FG	20'	Yamaha 125	6
Whaling today?		Yes	If not, why not?	

Time departed: 8:52 AM Time returned: 8:11 PM
 Trip time of 11 hours 19 minutes, roundtrip of 90.5 miles, furthest point from Cross Island of 20.5 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
ua1_091106a	N70 32.975 W147 37.347	13:40	left the ice for the open water (ice edge)
UA1_091106b	N70 36.993 W147 50.169	14:49	WHALE SIGHTING (also seen by others)
UA1_091106c	N70 40.112 W148 00.700	15:57	two different WHALES (1st seen by UA1), 2 hour chase
ua1_091106d	N70 43.634 W147 58.766	17:31	lost track of whale being chased - most N point of track
UA1_091106e	N70 44.846 W148 12.818	17:58	single WHALE seen - at least 9 BLOWS to N, NE, NW
UA1_091106f	N70 45.965 W148 16.679	18:27	single WHALE seen - at least 9 BLOWS to N, NE, NW
ua1_091106g	N70 44.128 W148 17.218	18:49	single WHALE seen - at least 9 BLOWS to N, NE, NW
ua1_091106h	N70 38.408 W148 12.034	19:40	entered ice about this point (ice edge) on return trip

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	ENE, based on experience from prior days and 2005 season
Time spent actively scouting/# people looking:	11:19 (no notes on breaks)
Time spent in travel/tow/assistance to other boats/on "break":	NA

Notes: UA1 headed east (ENE) from Cross Ice, following the ice edge as it curved and eventually headed SE along the ice edge. Turned around and through the ice by going NE a little and the NW in the ice. About estimated point aa1_091106a they went into open water. It was very choppy in the open water, with swells of 3 to 4 feet. They continued NW and thought they saw a blow, maybe a 25 to 30 footer. Another crew talked about it on the radio first (point UA1-091106b). They chased or followed this whale for 30 minutes or so. There was some ice SW of this point, where the current and wind had moved it. UA1 only saw the one blow and NUK1 also saw this blow once. They followed the direction it was heading (W or NW) and spotted two more whales (point UA1_091106c). UA1 and other boats chased these whales in a circle and then NW. Where the track zigs and zags is where they had to turn to follow this whale. Once they saw these whales they caught up to them the 4th time they came up to blow. This area of water was relatively smooth – they estimated “surf waves” or swells of about 2 feet, so higher speeds were possible. The UA1 boat split the two whales from each other at or soon after point UA1_091106c and followed one for about 2 hours while some other boats chased the other one in a more NE direction. They lost track of this whale at the most northeastern point of the track (estimated point aa1_091106d). Other crews involved in this chase indicated that the seas were getting worse at this point and the distance a bit great for a tow if a whale were struck. UA1 saw numerous blows to the west from this point, however, and headed over that way. Points UA1_091106e, UA1_091106f, and aa1_091106g mark specific whales seen in this area, but there were many more blows seen to the N, NE, and NW – UA1 estimated at least 9 whales. All whales seen on this trip were judged to be traveling west, and once the whaling boats approached them either went further west into the ice or north into deeper (and rougher) water. None could be followed very long. Once they lost track of this whale (point aa1_091106g), UA1 headed back to CI (very wet and tired). They headed as directly as they could in the open water, and at point aa1_091106h they entered the floating ice and had to weave around the ice – but still comparatively open, as compared to the dense floating ice E of CI.

Observations of Whaling Crew – weather, sea state, ice-conditions

Fog or clouds?		Weather notes:	BP 30.05 and rising
Wind Direction:	shifted	Wind speed and other notes:	0-12 mph, direction shift from NW to Easterly
% Ice Coverage:	variable	Ice Type:	Floating floes
Wave Height:	0-4'	Other Notes:	First day to reach open water to boat in
Other pertinent notes:			

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? No If yes, describe below

GPS track? Yes GPS File Name: UA1_091106.gdb

If not, why not? Waves bigger farther away from ice

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for all non-scouting vessels/day

Date: 09/12/06 Crew: various GPS Type: NA

Vessel	Type	Length	HP Motor	# crew aboard/notes
BO1	FG	18'	Yamaha 80	weather
BO2	AL	18'	Yamaha 70	weather
IAN	FG	20'	Yamaha 225	weather
NUK1	AL	18'	Yamaha 115	weather
NUK2	FG	20	Yamaha 200	repair
NUK3	AL	18'	Mercury 125	weather
UA1	FG	20'	Yamaha 150	weather
UA2	AL	18'	Yamaha 75	weather

Whaling today?	No	If not, why not?	Weather
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Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
NA			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	NA
Time spent actively scouting/# people looking:	NA
Time spent in travel/tow/assistance to other boats/on "break":	NA
Notes:	Winds thought too high to go out scouting

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?		Weather notes:	BP 30.05 and steady
Wind Direction:	ESE	Wind speed and other notes:	8-20 mph (decreasing to 8 later in the day)
% Ice Coverage:	UNK	Ice Type:	UNK
Wave Height:	UNK	Other Notes:	
Other pertinent notes:	Wind shift to SW late in the day		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? If yes, describe below

No

GPS track? NA GPS File Name:

If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for all non-scouting vessels/day

Date: 09/13/06 **Crew:** Various **GPS Type:** None

Vessel	Type	Length	HP Motor	# crew aboard/notes
NUK2	FG	20'	Yamaha 200	Under repair
BO2	AL	18'	Yamaha 70	Weather limited. Support boat
UA2	AL	18'	Yamaha 75	Logistic support boat only

Whaling today? No **If not, why not?** NUK2 under repair, others primarily support boats

Time departed: NA **Time returned:** NA

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
NA			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	<u>NA</u>
Time spent actively scouting/# people looking:	<u>NA</u>
Time spent in travel/tow/assistance to other boats/on "break":	<u>NA</u>
Notes:	<u>NA</u>

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?		Weather notes:	<u>BP 30.1 and rising</u>
Wind Direction:	<u>westerly</u>	Wind speed and other notes:	<u>0-12 mph, peaking mid-day, direction variable</u>
% Ice Coverage:	<u>variable</u>	Ice Type:	<u>Floating floes</u> Other Notes: <u>Floating ice still thick</u>
Wave Height:	<u>0-4'</u>	Other notes on sea conditions:	<u>Open water encountered, waves quite high</u>
Other pertinent notes:	<u>More ice than in prior days, rougher in open water</u>		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? No **If yes, describe below**

GPS track? NA **GPS File Name:**
If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/13/06 **Crew:** Oyagak **GPS Type:** Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
BO1	FG	18'	Yamaha 80	5

Whaling today?	Yes	If not, why not?	
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Time departed: 6:50 AM **Time returned:** 3:37 PM

Trip time of 9 hours 39 minutes, roundtrip of 55.5 miles, furthest point from Cross Island of 18.4 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
bo1_091306a	N70 39.260 W147 52.778	7:52	BO1 boat position when they received whale coordinates
bo1_091306b	N70 40.405 W147 24.852	8:33	Chase event of some sort

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	N to reach open water (with UA1 boat, or similar)		
Time spent actively scouting/# people looking:	1:01 (6:50-7:51)		
Time spent in travel/tow/assistance to other boats/on "break":	1:40 "assist" & 6:06 tow		
Notes:	BO1 probably committed to heading over to assist the NUK boats chase the whale they saw about 7:51 or so. It took them a while to reach the NUK boats since they were 10-11 miles west of the NUK boats, and by the time they got there the NUKs had followed the whale north of the coordinates given to BO1. BO1 arrived after the first strike, but while the whale was still alive and positioned their boat to keep the whale from going north (twice) and they saw AIN put five bombs into the whale. Point bo1_091306a is where they were when they received the coordinates for the whale and started to head over to assist in the chase. Point bo1_091306b is some chase event (coordinates given as N70 40.405 W147 24.852). BO1 did not shoot any bombs into this whale. BO1 assisted with the tow, which started about 9:31. After the whale died but before the tow started they drifted about 0.4 miles SE @ 0.7 mph.		

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?		Weather notes:	BP 30.1 and rising	
Wind Direction:	westerly	Wind speed and other notes:	0-12 mph, peaking mid-day, direction variable	
% Ice Coverage:	variable	Ice Type:	Floating floes	Other Notes: Floating ice still thick
Wave Height:	0-4'	Other notes on sea conditions:	Open water encountered, waves quite high	
Other pertinent notes:	More ice than in prior days, rougher in open water – but whale struck early in the day			

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities?	No	If yes, describe below
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GPS track?	Yes	GPS File Name:	BO1_091306.gdb
If not, why not?			

Date: 09/13/06 Crew: Aqargiun GPS Type: Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
IAN	FG	20'	Yamaha 225	5

Whaling today? Yes If not, why not?

Time departed: 7:03 AM Time returned: 3:40 PM
 Trip time of 8 hours 37 minutes, roundtrip of 58 miles, furthest point from Cross Island of 18.4 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
none			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	NNE to reach open water and then scouted east
Time spent actively scouting/# people looking:	0:48 (7:03-7:51)
Time spent in travel/tow/assistance to other boats/on "break":	1:40 "assist" & 6:09 tow
Notes:	IAN headed NNE from Cross Island to reach open water and then scouted east. IAN reported that it was 10 miles to open water today versus only 6 miles the other day. The NUK boats were 2 miles North of IAN when the NUKs spotted the whale [track evidence suggests the direction is incorrect, distance only approximate – when they speeded up at 7:51 AM they were about 3.3 miles to the west of the NUK boats]. The whale was close to the boats after IAN reached them and kept turning. IAN says that it went down after 2 blows, and was the only whale they saw that day. The whale was in the open water, with ice to the north. The ice was going out. IAN reported that 5 bombs were used in all – 4 shoulder guns and 1 darting gun. Just at the point of Cross Island on the tow back the tow line broke (the shackle was too rough and wore through the strap). AIN "double-barreled" the whale soon after NUK3 struck it. Then AIN used a darting gun (sans float) and 2 more shoulder gun bombs. Not sure where NUK3 shoulder gun came in. IAN boat also poked the whale with the lance to make sure that it was dead. The IAN crew marked three waypoints, all at the same location as NUK3_091306e. This waypoint is on the track for NUK3 and was said to mark where the whale died. IAN assisted with the tow, which started about 9:31. After the whale died but before the tow started they drifted about 0.4 miles SE @ 0.7 mph.

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?		Weather notes:	BP 30.1 and rising
Wind Direction:	westerly	Wind speed and other notes:	0-12 mph, peaking mid-day, direction variable
% Ice Coverage:	variable	Ice Type:	Floating floes
Wave Height:	0-4'	Other Notes:	Floating ice still thick
Other pertinent notes:	More ice than in prior days, rougher in open water – but whale struck early in the day		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? No If yes, describe below

GPS track? Yes GPS File Name: IAN_091306.gdb
 If not, why not?

Date: 09/13/06 Crew: Nukapigak GPS Type: Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
NUK1	AL	18'	Yamaha 115	4

Whaling today? Yes If not, why not?

Time departed: 6:07 AM Time returned: 3:38 PM

Trip time of 9 hours 31 minutes, roundtrip of 52.1 miles, furthest point from Cross Island of 18.4 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
nuk1_091306a	N70 38.950 W147 27.868	7:53	coordinates given for NUK1 WHALE SIGHTING
nuk1_091306b	N70 38.655 W147 27.177	7:56	2nd set of coordinates for this same whale
nuk1_091306c	N70 38.203 W147 25.971	8:05	where this whale popped up 1st time, next to ice floe
nuk1_091306d	N70 39.478 W147 26.754	8:08	2nd time this whale came up (very short dive)
nuk1_091306e	N70 40.529 W147 24.616	8:43	position of prayer once whale was dead

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	NNE to reach open water (with NUK3)
Time spent actively scouting/# people looking:	1:44 (6:07-7:51)
Time spent in travel/tow/assistance to other boats/on "break":	0:52 "chase", 0:48 prep for tow & 6:07 tow
Notes:	NUK1 headed NNE from Cross Island (in the company of NUK3) and went out through the ice and reached open water. In the open water there were swells of 2 to 3 feet (and they said maybe really 4 feet). Once they turned and started going SE it was better going, which is why they went in that direction. They saw the whale at about the 60 meter mark or current. NUK1 saw the whale first. They gave coordinates of N70 38 57.0 W147 27 52.1 at about 7:52 AM (waypoint nuk1_091306a). At about 7:55 AM NUK1 gave coordinates of N70 38 39.3 W147 27 10.6 (waypoint nuk1_091306b). By the 2 nd time the whale came up NUK3 had caught up with NUK1. The third time it came up is when they caught it. The first time it came up it used its flippers and it went into the ice, but popped up less than a mile away, next to an ice floe (nuk1_091306c). Estimated to be about 5 minutes between the first and second time (nuk1_091306d) it came up [track information gives a boat travel time of just over 3 minutes between those two points]. They did not even have to speed up much to chase the whale between its dives. After it went down at point nuk1_091306d they thought that it had probably headed to the north. There were three boats in on the chase - NUK1, NUK3, and IAN. UA1 and BO1 were to the west. After NUK3 struck the whale (NUK3_091306d), it only moved maybe .25 miles. The tow started about 9:31. After the whale died but before the tow started they drifted about 0.4 miles SE @ 0.7 mph.

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?		Weather notes:	BP 30.1 and rising
Wind Direction:	westerly	Wind speed and other notes:	0-12 mph, peaking mid-day, direction variable
% Ice Coverage:	variable	Ice Type:	Floating floes
		Other Notes:	Floating ice still thick
Wave Height:	0-4'	Other notes on sea conditions:	Open water encountered, waves quite high
Other pertinent notes:	More ice than in prior days, rougher in open water - but whale struck early in the day		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? No If yes, describe below

GPS track? Yes GPS File Name: NUK1_091306.gdb

If not, why not?

Date: 09/13/06 Crew: Nukapigak GPS Type: Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
NUK3	AL	18'	Mercury 125	3

Whaling today? Yes If not, why not? _____

Time departed: 6:05 AM Time returned: 3:45 PM

Trip time of 9 hours 40 minutes, roundtrip of 55.8 miles, furthest point from Cross Island of 19.0 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
NUK3_091306a	N70 43.562 W147 33.265	7:52	Probable 1st WHALE SIGHTING or BLOWS by NUK3
NUK3_091306b	N70 43.551 W147 33.248	7:52	duplicate marked point for whale(s)
NUK3_091306c	N70 43.377 W147 33.146	7:54	duplicate marked point for whales(s)
NUK3_091306d	N70 40.218 W147 25.166	8:20	position of FIRST STRIKE
NUK3_091306e	N70 40.499 W147 24.544	8:46	position of whale death

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	NNE to reach open water (with NUK1)
Time spent actively scouting/# people looking:	1:46 (6:05-7:51)
Time spent in travel/tow/assistance to other boats/on "break":	0:52 "chase", 0:48 prep for tow & 6:14 tow
Notes:	See NUK1 account for information on the first part of the track and chase. NUK1 saw the whale first, but NUK3 marked position where they were when whale first seen (NUK3_091306a-c). NUK3 gave coordinates over the radio at about 8:18 AM and 8:22 AM, and it is likely that this is the approximate strike time (coordinates were not recorded reliably by the researcher, but should be in the Com Center logs). After NUK3 struck the whale (NUK3_091306d), it only moved maybe .25 miles. After the strike the whale dived and stayed down for a while but the buoy stayed on the surface and hardly moved. When the whale did come up it spouted water mixed with blood. They used a super bomb and think that it may not have exploded properly – did not "shatter" (they intend to send it to AEWG for their analysis). NUKs say they used one super bomb (darting gun) and a shoulder gun while AIN used 1 darting gun and 4 shoulder gun bombs ("double-barreled" the whale twice). NUK1 took care of the float to ensure that the rope did not interfere with the other boats. The whale died at point NUK3_091306e. The tow started about 9:31. After the whale died but before the tow started they drifted about 0.4 miles SE @ 0.7 mph. Struck and landed a male bowhead, 42'6". Flukes 12'11". Slit was 2'11", slit+ "inverted V" was 4'3", distance between inverted V and anus was 3'1". Strike about 8:27-8:29 AM, Prayer 8:43 AM

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?		Weather notes:	BP 30.1 and rising
Wind Direction:	westerly	Wind speed and other notes:	0-12 mph, peaking mid-day, direction variable
% Ice Coverage:	variable	Ice Type:	Floating floes
		Other Notes:	Floating ice still thick
Wave Height:	0-4'	Other notes on sea conditions:	Open water encountered, waves quite high
Other pertinent notes:	More ice than in prior days, rougher in open water – but whale struck early in the day		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? No If yes, describe below _____

GPS track? Yes GPS File Name: NUK3_091306.gdb
If not, why not? _____

Date: 09/13/06 Crew: Ahkiviana GPS Type: Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
UA1	FG	20'	Yamaha 125	6

Whaling today?	Yes	If not, why not?	
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Time departed: 6:01 AM Time returned: 3:40 PM
 Trip time of **9 hours 39 minutes**, roundtrip of **55.5 miles**, furthest point from Cross Island of **18.4 miles**

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
none			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	N to reach open water
Time spent actively scouting/# people looking:	2:11 (6:01-8:12)
Time spent in travel/tow/assistance to other boats/on "break":	1:19 "assist" & 6:09 tow
Notes:	UA1 headed almost due north from Cross Island, and did not give any information on ice or sea conditions. They did not see any animals and were 14 to 16 miles west of the NUK boats when they were giving the coordinates of the whale the NUK boats were chasing (probably about 7:51 AM). At 8:03 AM UA1 radioed that they were 14 miles from NUK1 and were going slowly (4 to 8 miles per hour) towards them (and this corresponds pretty well with their turn east from the NW-most part of their track). They soon sped up, at about 8:12 AM, to speeds in the mid-20s. They arrived at the whale shortly after it died and just after the prayer of thanks for the whale. They assisted with the tow, which started about 9:31. After the whale died but before the tow started they drifted about 0.4 miles SE @ 0.7 mph.

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?		Weather notes:	BP 30.1 and rising
Wind Direction:	westerly	Wind speed and other notes:	0-12 mph, peaking mid-day, direction variable
% Ice Coverage:	variable	Ice Type:	Floating floes
		Other Notes:	Floating ice still thick
Wave Height:	0-4'	Other notes on sea conditions:	Open water encountered, waves quite high
Other pertinent notes:	More ice than in prior days, rougher in open water – but whale struck early in the day		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities?	No	If yes, describe below
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GPS track? Yes GPS File Name: UA1_091306.gdb

If not, why not?	
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cANIMIDA Task 7 Data Collection Form, 2006

Use one form for all non-scouting vessels/day

Date: 09/14/06 **Crew:** Various **GPS Type:** None

Vessel	Type	Length	HP Motor	# crew aboard/notes
NUK1	AL	18'	Yamaha 115	Stayed in to butcher whale taken 9/13
NUK2	FG	20'	Yamaha 200	Under repair
NUK3	AL	18'	Mercury 125	Butcher, then to NQT with tavsi
BO2	AL	18'	Yamaha 70	Weather limited (waves too high)
UA2	AL	18'	Yamaha 75	Logistic support boat only
UA3	FG	24'	Evenrude 75	Arrived on CI with 4 on board

Whaling today? No **If not, why not?** As summarized above, the Nukapigak crew had landed a whale the day before and stayed in to butcher it – but gave permission for the other crews to go out scouting since good progress had been made on the butchering. NUK3 was able to leave for NQT later in the day with the tavsi to “feed the village.” NUK2 was under repair and could not go out scouting in any event. BO2 and UA2 were primarily support boats and the wind/waves were too high for them to go scouting. UA3 was only a support boat and just arrived on CI on 9/14 with 4 on board.

Time departed: NA **Time returned:** NA

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
NA			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	NA
Time spent actively scouting/# people looking:	NA
Time spent in travel/tow/assistance to other boats/on “break”:	NA
Notes:	NA

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	No	Weather notes:	BP 29.6 and falling
Wind Direction:	SSE to E	Wind speed and other notes:	0-10 mph, mostly 5-8
% Ice Coverage:	variable	Ice Type:	Floating floes
		Other Notes:	Ice not jammed together - scattered
Wave Height:	variable	Other notes on sea conditions:	Ice thicker near Cross Island, “open” farther away
Other pertinent notes:	Whalers said that the further from the ice, the bigger the waves BUT it got calm right before UA1 saw the whale		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? **If yes, describe below**

No – other than in support of whaling (see above)

GPS track? No **GPS File Name:**

If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/14/06 Crew: Oyagak GPS Type: Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
BO1	FG	18'	Yamaha 80	5
Whaling today?		Yes	If not, why not?	

Time departed: 9:27 AM Time returned: 7:38 PM

Trip time of 10 hours 11 minutes, roundtrip of 61.1 miles, furthest point from Cross Island of 18.8 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
bo1_091406a	N70 35.504 W147 28.612	10:19	ice edge (reach "open water")
bo1_091406b	N70 41.442 W147 36.707	11:28	area where IAN had seen a whale (only IAN ever saw it)
BO1_091406c	N70 35.835 W147 14.367	13:42	WHALE SIGHTING (seen by UA1 first)
bo1_091406d	N70 34.555 W147 12.816	13:59	whale came up and seen a 2nd time
bo1_091406e	N70 33.669 W147 14.997	14:02	boats still chasing and close to whale
BO1_091406f	N70 33.530 W147 15.082	14:05	BO1 boat position when UA1 1st struck whale
BO1_091406g	N70 33.322 W147 14.352	14:13	BO1 boat position when whale died

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	NE through the ice, and the N to where IAN saw a whale
Time spent actively scouting/# people looking:	4:13 (till about 13:40, when chase started in earnest)
Time spent in travel/tow/assistance to other boats/on "break":	5:23 (14:13 – 19:36), tow (and preparation)
Notes:	BO1 headed out to the NE, thinking the other boats would go more due North. They had to zigzag through the ice although they said that the water was comparatively open. They went an estimated 13 miles to the edge of the ice (point "a"). They then headed more North and then NW, apparently to meet up with the other boats after IAN had seen a whale. Between 11:23 AM-11:32 AM they were actively searching for the whale IAN had seen – point "b" (IAN had radioed them the coordinates). UA1 joined BO1 in this activity while IAN was looking further to the North. Only IAN ever saw this whale, once. BO1 and UA1 continued to travel together and spotted a different whale. BO1 was with UA1 when they struck the whale until it died, and helped with the tow. BO1 and UA1 were following the current to the SE when they saw the whale. There was open water and they went in and out of areas with more floating ice. The further out of the ice they went, the bigger the waves were – but just before UA1 first saw the whale it became very calm. BO1 was close to UA1 when the whale was spotted to the south of them (point "c"). UA1 was in front of BO1 and led the chase. The whale came up for a second time at point "d" – also first seen by UA1. At point "e" the two boats had drawn very close together and both were looking for a good strike position. Point "f" marks the BO1 position when UA1 struck the whale. Point "g" marks where the BO1 boat was when the whale died. The whale drifted to the SE while being prepared for the tow. Much of the tow was through floating ice, with the ice being worse near Cross Island. BO1 said that the ice edge was only 6 miles to the North of Cross Island (as reported by IAN and UA1) but BO1 had to go 13 miles to the NE to reach the ice edge.

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	N	Weather notes:	Seas calm near floating ice, significant waves in open water
Wind Direction:	SSE to E	Wind speed and other notes:	0-10 mph, mostly 5-8
% Ice Coverage:	variable	Ice Type:	Floating floes
Wave Height:	variable	Other Notes:	Ice not jammed together - scattered
Other pertinent notes:	Whalers said that the further from the ice, the bigger the waves BUT it got calm right before UA1 saw the whale		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities?

If yes, describe below

No

GPS track? Yes GPS File Name: BO1_091406.gdb

If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/14/06 **Crew:** Aqargiun **GPS Type:** Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
IAN	FG	20'	Yamaha 225	5

Whaling today?	Yes	If not, why not?	
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Time departed: 9:51 AM **Time returned:** 7:34 PM
Trip time of 9 hours 45 minutes, roundtrip of 64 miles, furthest point from Cross Island of 18.5 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
IAN_091406a	N70 36.414 W147 36.081	10:30	ice edge (?)
ian_091406b	N70 40.844 W147 36.324	12:18	WHALE SIGHTING
IAN_091406c	N70 33.293 W147 18.855	15:21	unknown
ian_091406d	N70 33.196 W147 25.447	15:54	unknown

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	NE and then N – ice conditions and where whales might be
Time spent actively scouting/# people looking:	3:49/5 (until whale UA crew landed was spotted @ 13:40)
Time spent in travel/tow/assistance to other boats/on "break":	5:21 (14:13 – 19:34), tow (and preparation)
Notes:	IAN headed out Northeast but eventually turned almost due North. Point "a" may represent the ice edge. They saw and radioed the other whalers about a whale in the area of point bo1_091406b and when prompted estimated its position on their track as point "b." After losing sight of this whale and searched south and to the east until the UA1 and BO1 boats saw the whale that they were chasing a second time, at which time UA1 and BO1 called the IAN boat to assist them in the chase. The IAN boat did not meet the other boats until shortly after the whale was dead, and helped with the tow. Points "c" and "d" were noted on the tow back to Cross island, but their significance is unknown at present.

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	N	Weather notes:	Seas calm near floating ice, significant waves in open water
Wind Direction:	SSE to E	Wind speed and other notes:	0-10 mph, mostly 5-8
% Ice Coverage:	variable	Ice Type:	Floating floes
Wave Height:	variable	Other Notes:	Ice not jammed together - scattered
Other pertinent notes:	Whalers said that the further from the ice, the bigger the waves BUT it got calm right before UA1 saw the whale		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities?	If yes, describe below
No	

GPS track? Yes **GPS File Name:** IAN_091406.gdb
If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/14/06 Crew: Ahkiviana GPS Type: Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
UA1	Fiberglass	20'	Yamaha 150	4

Whaling today? Yes If not, why not?

Time departed: 9:39 Time returned: 19:34

Trip time of 9 hours 55 minutes, roundtrip of 64.6 miles, furthest point from Cross Island of 18.6 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
UA1_091406a	N70 41.696 W147 37.864	11:29	where UA1 boat met up with BO1 and IAN boats
ua1_091406b	N70 37.808 W147 31.292	12:24	reached open water (ice edge)
UA1_091406c	N70 35.552 W147 14.515	13:40	UA1 BLOW SIGHTING (same as BO1_091406c?)
UA1_091406d	N70 33.519 W147 15.072	14:05	UA1 FIRST STRIKE location
ua1_091406e	N70 33.391 W147 14.591	14:11	area of at least one additional bomb in whale
ua1_091406f	N70 33.224 W147 13.838	14:49	approx location of start of tow

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	North of Cross Island, to look in a different area from others
Time spent actively scouting/# people looking:	4:01 with 4 people, but see account (start to point "c")
Time spent in travel/tow/assistance to other boats/on "break":	5:21 (14:13 – 19:34), tow (and preparation)
Notes:	<p>UA1 left with BO1, but went almost due North in order to search a different area. UA1 did not report when they hit open water but other crews indicated that it was about 6 miles from Cross Island. UA1 traveled at high speed until about 10:34, when they slowed to a more normal speed for scouting. They soon speeded up again - either in response to the IAN crew reporting a whale sighting or to continue traveling before that report came in (time of IAN sighting uncertain). UA1 sighted the other boats at point "a" and from this point stayed with BO1. By this time the whale that the IAN boat had seen earlier had disappeared. At point "b" both boats were on the ice edge and were in the open water until point "c." At point "c" UA1 saw a blow and both boats went for it. They saw it again when it came up (unmarked) and UA1 struck it at point "d." Point "e" marks where at least one additional bomb was placed into the whale. UA1 did not mark the kill site but BO1 did (BO1_091406g). Point "f" marks the approximate start of the tow, after a period of preparation. The tow followed the ice edge, or perhaps was just within it as the whalers reported most of it was through the (floating) ice.</p> <p>Struck and landed a male bowhead, 28'10". Flukes 9'4. Slit was 2'3", slit + "inverted V" was 2'10", distance between inverted V and anus was 2'0". Four bombs total used.</p>

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	N	Weather notes:	Seas calm near floating ice, significant waves in open water
Wind Direction:	SSE to E	Wind speed and other notes:	0-10 mph, mostly 5-8
% Ice Coverage:	variable	Ice Type:	Floating floes
Wave Height:	variable	Other Notes:	Ice not jammed together - scattered
Other pertinent notes:	Whalers said that the further from the ice, the bigger the waves BUT it got calm right before UA1 saw the whale		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? If yes, describe below

No

GPS track? Yes GPS File Name: UA1_091406.gbd

If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for all non-scouting vessels/day

Date: 09/15/06 Crew: various GPS Type: NA

Vessel	Type	Length	HP Motor	# crew aboard/notes
BO2	AL	18'	Yamaha 70	Weather
NUK2	FG	20	Yamaha 200	Repair
NUK3	AL	18'	Mercury 125	Returned from Nuiqsut (tuvsi trip)
UA1	FG	20'	Yamaha 150	Butcher
UA2	AL	18'	Yamaha 75	Butcher/To Nuiqsut w/tuvsi w/3
UA3	FG	24	Evenrude 75	Butcher/To Nuiqsut w/tuvsi w/2

Whaling today? No **If not, why not?** BO2 was precluded from whaling by the weather. NUK2 was still under repair. The UA crew had landed a whale the day before and still had butchering responsibilities – but had released the other crews to go out whaling should the weather be good. The UA butchering progressed to the point where two of the UA boats left for Nuiqsut with part of the tuvsi to “feed the village.” The NUK3 vessel had gone to Nuiqsut the day before (09/14) with tuvsi from the NUK whale taken 09/13, and returned this day. Thus, only three boats went out scouting 9/15 – IAN, NUK1, and BO1. A separate boat report form has been completed for each. IAN landed a whale this day.

Time departed: NA **Time returned:** NA

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
none			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	NA
Time spent actively scouting/# people looking:	NA
Time spent in travel/tow/assistance to other boats/on “break”:	NA
Notes:	. BO2 was precluded from whaling by the weather. NUK2 was still under repair. The UA crew had landed a whale the day before and still had butchering responsibilities – but had released the other crews to go out whaling should the weather be good. The UA butchering progressed to the point where two of the UA boats left for Nuiqsut with part of the tuvsi to “feed the village.” The NUK3 vessel had gone to Nuiqsut the day before (09/14) with tuvsi from the NUK whale taken 09/13, and returned this day. Thus, only three boats went out scouting 9/15 – IAN, NUK1, and BO1. A separate boat report form has been completed for each. IAN landed a whale this day.

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?		Weather notes:	BP 29.6 and falling
Wind Direction:	shifty	Wind speed and other notes:	5-11 mph, shifts from S to NE to E during the day
% Ice Coverage:	variable	Ice Type:	Floating floes
Wave Height:	0-4' or >	Other Notes:	Variable – rougher farther from ice
Other pertinent notes:	Ice cover varied from so thick as to be impassable to open water		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? **If yes, describe below**

No – other than shore-based whaling-related butchering and such

GPS track? No **GPS File Name:**

If not, why not? Tracks for tuvsi trips not collected on a regular basis

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/15/06 Crew: Oyagak GPS Type: Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
BO1	FG	18'	Yamaha 80	3
Whaling today?		Yes	If not, why not?	

Time departed: 8:51 AM Time returned: 10:55 PM

Trip time of **14 hours 04 minutes, roundtrip of 69.0 miles, furthest point from Cross Island of 19.6 miles**

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
bo1_091506a	N70 33.737 W147 36.085	9:16	reached open water (ice edge)
bo1_091506b	N70 33.250 W147 10.850	12:22	open water, high "surf waves"
bo1_091506c	N70 32.161 W147 16.398	13:33	back to the ice, to find a "perch" to look from
bo1_091506d	N70 33.338 W147 18.838	14:04	back to the open water to have lunch and look around
bo1_091506e	N70 39.181 W147 20.634	15:12	WHALE SEEN to the north (boat position)
bo1_091506f	N70 40.086 W147 19.727	15:22	this area and circles to the west - looking for whale
bo1_091506g	N70 38.323 W147 29.971	17:02	two different WHALES SEEN (boat position)
bo1_091506h	N70 37.692 W147 30.919	17:02	two different WHALES SEEN (est. whales position)
BO1_091506i	N70 37.581 W147 30.987	17:16	BO1 boat position when IAN 1st struck whale

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	NE (as day before) to find ice edge
Time spent actively scouting/# people looking:	8:13 (entire trip to 17:02 when two whales seen)
Time spent in travel/tow/assistance to other boats/on "break":	0:37 (chase), 0:30 (prep for tow), 4:46 (tow)
Notes:	<p>BO1 headed out to the NE, as yesterday, and hit the ice edge at about 9 or 10 miles (estimated point bo1_091506a). It was open water after that, but they still stayed close to the ice and then went back into the ice. BO1 said that the ice edge was shaped like a "C" or a basin, but with the closed end down. BO1 said that right where UA1 got their whale yesterday that IAN saw a whale in the ice (see IAN account). They could not get to it, though, as the ice bergs were too high. BO1 never saw it. They looked around a bit, but the surf waves were quite high (estimated point bo1_091506b). It was kind of windy and there was a current of about 6 miles an hour (estimated). They kept looking around, in the ice and in the open water, and then tried to stay in the water at the edge of the ice, due to the waves. IAN was in the ice. After they gave up on this whale they went back to the ice edge and were going to try further NE but they encountered a stiff wind and rough surf waves. They then went back to some open water with light slush ice [they said at about 15 miles from Cross Island, but it would seem to have been further]. They then went back into the ice to find an ice berg to use as a perch to look for blows and whales with binoculars (probably estimated point bo1_091506c). They saw little, and then went back to the open water to the north and had lunch (estimated bo1_091506d). IAN was still in the ice to the south, while NUK1 had gone further north and spotted a whale (point nuk1_091506a). The surf waves were so high that BO1 could hardly see anything from where they were, so they started North as well. BO1 saw a whale to the north and went for it (bo1_091506e estimated boat position, bo1_091506e' estimated whale position, about a mile away). This was a whale that had no visible blow at all, was kind of gray, and looked to be smaller than the one taken by UA. BO1 said that it was the same whale that NUK1 had seen. BO1 only saw it this once. There was wind and surf waves in this area as well. The "circles" in the BO1 track to the west of point bo1_091506f are where BO1 was looking for this whale. Once they gave up on this whale they decided to head back to Cross Island slowly.</p> <p>BO1 then headed SW toward Cross Island. They reported that they "turned left" and saw 2 or 3 whales. From the track information this looks to be at estimated point for the boat at bo1_091506g (and agrees with radio chatter - whales seen about 5:01PM) and for the whales at bo1_091506h. NUK1 related that both BO1 and IAN were to the left of the whale, and that when the whale dived it seemed to be turning to its left while underwater. After it came up the second time the IAN boat was in position and IAN made the strike and the whale died almost in the same place, because it was so tired. The IAN darting gun did not go off, but they did put the float on with it. BO1 seems to say that it was a regular black powder bomb. All the bombs used on this whale were from IAN or NUK1 - BO kept back and looked on. The BO1 boat had been lined up with the whale and was getting ready to strike, when the IAN boat struck the whale. BO1 helped IAN and NUK1 tow.</p> <p>Point BO1_091506i was where BO1 was when IAN struck the whale [agrees with radio log of whale struck about 5:15 PM]. BO1 said that there was more open water on the tow than ice. They got the whale right on the edge of the ice. Once the whale was struck, it did not move very much. NUK1 saw the whale twice, from a distance. BO1 and IAN were both chasing the whale [with NUK1 assisting]. They both kept getting closer and closer to the whale. The whale was quite fast [chase speeds were high 20s and low 30s mph - but could reflect the desire to be first to strike as well as the speed of the whale].</p>

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?		Weather notes:	BP 29.6 and falling
Wind Direction:	shifty	Wind speed and other notes:	5-11 mph, shifts from S to NE to E during the day
% Ice Coverage:	variable	Ice Type:	Floating floes
Wave Height:	0-4' or >	Other Notes:	Variable - rougher farther from ice
Other pertinent notes:	Ice cover varied from so thick as to be impassable to open water		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? No If yes, describe below

GPS track? Yes No GPS File Name: BO1_091506.gdb

If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/15/06 **Crew:** Aqargiun **GPS Type:** Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
IAN	FG	20'	Yamaha 225	5

Whaling today? Yes **If not, why not?**

Time departed: 7:40 AM **Time returned:** 10:55 PM

Trip time of 15 hours 15 minutes, roundtrip of 79.8 miles, furthest point from Cross Island of 19.7 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
IAN_091506a	N70 32.449 W147 12.200	10:45	WHALE SEEN in ice (but soon lost)
ian_091506b	N70 34.866 W147 21.861	14:14	"VILLAGE OF WHALES" while going N - many BLOWS (see notes)
ian_091506c	N70 38.880 W147 30.422	16:21	IAN boat position when BO1 saw a whale
ian_091506d	N70 37.542 W147 30.960	17:06	estimated FIRST STRIKE location

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	ENE to find open water
Time spent actively scouting/# people looking:	9:22 (entire trip to 17:02 when two whales seen)
Time spent in travel/tow/assistance to other boats/on "break":	0:37 (chase), 0:30 (prep for tow), 4:46 (tow)
Notes:	<p>Strike between 5:06 and 5:15 PM or so, Dead whale 5:39 PM N70 37.725 W147 31.717 Whale was 35'1", flukes 11'6". Slit 3'6", slit plus "inverted V" 4'0", Anus to end of inverted V was 1'7" (inverted V was 6")</p> <p>IAN headed out ENE and reported hitting open water after about 10 miles. IAN spotted a whale in the ice, and lost track of it at point IAN_091506a. It was a small whale. They saw it come up four times. IAN tried to go south of this floating ice to get to or find this whale, but the ice was too thick, so they turned north instead. IAN saw four walrus on the ice. While going NE (some time between 1:44 PM to 2:44 PM) IAN saw lots of whales – a "village of whales" – at estimated point ian_091506b Time is approximate to within 30 minutes or so). IAN was in "silent mode" and did not broadcast this over the radio. There are no indications in the track that they chased or got close to any whales – probably all seen only in the distance. IAN reported seeing many blows on the horizon. This was an area where they had looked for whales earlier in the day (8:30-9:10) but had not reported any signs of whales. IAN later turned to return to Cross Island about the same time as the other boats and was heading SW when BO1 saw a whale and called the other boats. At this point IAN turned [NUK1 told them the whale was on IAN's left side] and sped up (estimated point ian_091506c). IAN said that the chase was nuts, as the whale "was turning on a dime." IAN struck the whale at estimated point ian_091506d.</p> <p>IAN's first strike was with a darting gun and float, with a black powder bomb. The trigger arm never reached, so that the bomb never went in or went off. They then hit it with an IAN shoulder gun, then a super bomb (darting gun). Then another shoulder bomb. At least one of the shoulder bombs did not explode, but one was right on the heart and IAN thinks really hurt the whale. They then used the lance but the whale was still alive so IAN used another bomb – a head/neck shot.</p>

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?		Weather notes:	BP 29.6 and falling
Wind Direction:	shifty	Wind speed and other notes:	5-11 mph, shifts from S to NE to E during the day
% Ice Coverage:	variable	Ice Type:	Floating floes Other Notes:
Wave Height:	0-4' or >	Other notes on sea conditions:	Variable – rougher farther from ice
Other pertinent notes:	Ice cover varied from so thick as to be impassable to open water		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? No **If yes, describe below**

GPS track? Yes **GPS File Name:** IAN_091506.gdb

If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/15/06 Crew: Nukapigak GPS Type: Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
NUK1	AL	18'	Yamaha 115	4
Whaling today?		Yes	If not, why not?	

Time departed: 11:52 AM Time returned: 10:55 PM

Trip time of 11 hours 03 minutes, roundtrip of 58.5 miles, furthest point from Cross Island of 20.4 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
nuk1_091506a	N70 34.804 W147 21.175	14:11	WHALE SEEN (or several) or could be nuk1_091506a)
nuk1_091506a'	N70 37.520 W147 19.904	14:44	WHALE SEEN (or several) or could be nuk1_091506a)
nuk1_091506b	N70 38.395 W147 19.140	15:07	maybe saw whale again, also 4 walrus on ice
nuk1_091506c	N70 41.946 W147 24.058	16:21	SAW BLOWS to the S (on way back to CI)

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	ENE to find open water, try to get to Narwhal Island
Time spent actively scouting/# people looking:	5:10 (entire trip to 17:02 when two whales seen)
Time spent in travel/tow/assistance to other boats/on "break":	0:37 (chase), 0:30 (prep for tow), 4:46 (tow)

Notes: Various crew members talked to me at different times the next day (9/16) and afterwards. They estimated the whale as 35 to 40 feet, an Inaktuk, and say that the whale went around BO1 and gave itself to IAN. Whale was actually measured as 35'1". NUK1 had an incomplete track, missing the first part. NUK1 reports they headed ENE out of Cross Island, in pretty much of a straight line to where the track line starts. There was lots of scattered ice. This required some zigzag travel. They stayed within this floating ice, and then turned north. NUK1 saw the first whale at estimated point nuk1_091506a. NUK1 may have seen more whales in this area, and may have seen this whale a second time at nuk1_091506b, further north. BO1 saw this same whale (they think) and estimated its position as bo1_091506f. All crews lost track of this whale, which seemed to be "spooked" in that it was moving at a very fast pace, even when first spotted. This first small whale led NUK1 to another pair of larger whales (see below).

NUK1 also spotted 4 walrus on the ice on the NE side of the boat (point nuk1_091506b) swimming towards the ice to the south. Normally these walrus would have been "spooked" by the boats, but these walrus seemed to be so intent on reaching the ice [to rest] that they just looked at the boats once in a while but kept on swimming. There were lots of natchiq and oogruk in this area as well. They had given up looking for the whale by this point – just scouting and looking around (4 mph or so). They reached a point about 19 miles from Cross Island [actually 19.7 on track] and decided to head back to Cross Island when they saw some blows to the south – estimated point nuk1_091506c and it is the BOAT's position when they saw these blows. The other boats were several miles ahead (SW) of NUK1 on their way back to Cross Island and were closer to these blows. NUK1 was scouting at 1 to 2 mph faster than the other two boats, however, and so had about caught up with them when they first saw the whale (and not just the blow – called "seeing the muktuk") at estimated point ian_091506c. They only saw two blows, two whales that were traveling west together. There was a third whale on the edge of the floating ice, and all were traveling west.

NUK1 had caught up to the whales and the other two boats at about the same time. BO1 and IAN had separated the two whales that had been together, with the third whale west of them and heading NNW, with the other two heading more N. These two whales were in mostly open water. NUK1 said that BO1 and IAN were to their left and ahead. NUK1 reported that the big circle was where NUK1 diverted the whale back south, keeping it from open water and the other whale, heading NNE. NUK1 was keeping away from the whale, in order to keep it from going north. NUK1 reports that they had a couple of opportunities to put a float on this whale, but deferred from doing so to let the other crews strike [the NUK crew had already taken a whale this season]. Their main concern was to keep the whale from going north, which is what all the circling was all about. The second whale was trying to go north, and NUK1 managed to get it to turn back. IAN was able to strike the whale, which did not move far after that and died soon after (30 minutes or less).

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?		Weather notes:	BP 29.6 and falling
Wind Direction:	shifty	Wind speed and other notes:	5-11 mph, shifts from S to NE to E during the day
% Ice Coverage:	variable	Ice Type:	Floating floes
Wave Height:	0-4' or >	Other Notes:	Variable – rougher farther from ice
Other pertinent notes:	Ice cover varied from so thick as to be impassable to open water		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities?	No	If yes, describe below	
GPS track? Yes	GPS File Name:	NUK1_091506.gdb	
If not, why not?			

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for all non-scouting vessels/day

Date: 09/16/06 **Crew:** various **GPS Type:** NA

Vessel	Type	Length	HP Motor	# crew aboard/notes
BO1	FG	18'	Yamaha 80	Butcher
BO2	AL	18'	Yamaha 70	Butcher/weather
IAN	FG	20'	Yamaha 225	Butcher
NUK1	AL	18'	Yamaha 115	Butcher
NUK2	FG	20	Yamaha 200	Butcher
NUK3	AL	18'	Mercury 125	Butcher
UA1	FG	20'	Yamaha 150	Butcher
UA2	AL	18'	Yamaha 75	In Nuiqsut
UA3	FG	24'	Evenrude 75	In Nuiqsut

Whaling today? No **If not, why not?** Crews had to catch up on butchering. UA2 and UA3 were in Nuiqsut, having taken the UA tavis to Nuiqsut on 9/15.

Time departed: NA **Time returned:** NA

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
NA			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation): NA
Time spent actively scouting/# people looking: NA
Time spent in travel/tow/assistance to other boats/on "break": NA
Notes: Crews had to catch up on butchering. Weather may have been good enough to go out scouting if 3 whales had not been landed in the last 3 days..

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?		Weather notes:	BP 29.4 and falling
Wind Direction:	shifty	Wind speed and other notes:	0-19 mph, calmest near midday. Wind shift E to NW
% Ice Coverage:	UNK	Ice Type:	Floating floes
Wave Height:	UNK	Other Notes:	
Other pertinent notes:			

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? **If yes, describe below**

No

GPS track? NA **GPS File Name:**

If not, why not? _____

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for all non-scouting vessels/day

Date: 09/17/06 **Crew:** various **GPS Type:** NA

Vessel	Type	Length	HP Motor	# crew aboard/notes
BO1	FG	18'	Yamaha 80	Weather
BO2	AL	18'	Yamaha 70	Weather
IAN	FG	20'	Yamaha 225	Weather
NUK1	AL	18'	Yamaha 115	Weather
NUK2	FG	20	Yamaha 200	Weather
NUK3	AL	18'	Mercury 125	Weather
UA1	FG	20'	Yamaha 150	Weather
UA2	AL	18'	Yamaha 75	In Nuiqsut
UA3	FG	24'	Evenrude 75	In Nuiqsut

Whaling today? No **If not, why not?** Crews were caught up on butchering. UA2 and UA3 were in Nuiqsut, having taken the UA tavsit to Nuiqsut on 9/15.

Time departed: NA **Time returned:** NA

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
NA			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	NA
Time spent actively scouting/# people looking:	NA
Time spent in travel/tow/assistance to other boats/on "break":	NA
Notes:	No boats went out scouting this day. This was primarily due to adverse weather and sea conditions, although it did allow for some island chores to be attended to. There was a general consensus among the captains that while it would be nice to fill their quota completely, it was also getting late in the season. They were willing to wait for one more good day to try for a fourth whale (with some expressing a desire to let the BO crew have a last chance, since the other three crews had already taken a whale).

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?		Weather notes:	BP 29.4 and rising (at a low point)
Wind Direction:	NW	Wind speed and other notes:	10-28 mph
% Ice Coverage:	UNK	Ice Type:	Floating floes Other Notes:
Wave Height:	UNK	Other notes on sea conditions:	
Other pertinent notes:		Wind too high for scouting	

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? **If yes, describe below**

No

GPS track? NA **GPS File Name:**

If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for all non-scouting vessels/day

Date: 09/18/06 **Crew:** various **GPS Type:** NA

Vessel	Type	Length	HP Motor	# crew aboard/notes
BO2	AL	18'	Yamaha 70	Limited by Weather
NUK1	AL	18'	Yamaha 115	In Reserve to Assist if Needed
NUK2	FG	20	Yamaha 200	In Reserve to Assist if Needed
UA2	AL	18'	Yamaha 75	Support Boat Only
UA3	FG	24'	Evenrude 75	Support Boat Only

Whaling today? No **If not, why not?** BO2, UA2, and UA3 were all mainly support boats and did not go out scouting due to weather and sea conditions. The NUK crew scouted with only one boat as they wanted to assist with the whale if one of the other crews (and preferably the Oyagak crew) struck a whale. The other two NUK boats were in reserve to help with the chase and/or tow, if required. The IAN boat was similarly in reserve, but as the most powerful boat was called to assist with the tow, so that the IAN boat and the three boats that went out scouting (NUK3, BO1, and UA1) all had individual boat report forms completed.

Time departed: NA **Time returned:** NA

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
none			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	NA
Time spent actively scouting/# people looking:	NA
Time spent in travel/tow/assistance to other boats/on "break":	NA
Notes:	BO2, UA2, and UA3 were all mainly support boats and did not go out scouting due to weather and sea conditions. The NUK crew scouted with only one boat as they wanted to assist with the whale if one of the other crews (and preferably the Oyagak crew) struck a whale. The other two NUK boats were in reserve to help with the chase and/or tow, if required. The IAN boat was similarly in reserve, but as the most powerful boat was called to assist with the tow, so that the IAN boat and the three boats that went out scouting (NUK3, BO1, and UA1) all had individual boat report forms completed.

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?		Weather notes:	BP 29.8 and falling (at a peak)
Wind Direction:	shifty	Wind speed and other notes:	5-10 mph, with a data gap for most of the day
% Ice Coverage:	UNK	Ice Type:	Clear inside islands
Wave Height:	No info	Other Notes:	
Other pertinent notes:	Wind shifted from NW to E before noon, data gap after noon		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? **If yes, describe below**

No

GPS track? NA **GPS File Name:**

If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/18/06 Crew: Oyagak GPS Type: Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
BO1	FG	18'	Yamaha 80	4

Whaling today? Yes If not, why not?

Time departed: 8:05 AM Time returned: 5:45 PM

Trip time of 9 hours 40 minutes, roundtrip of 49.1 miles, furthest point from Cross Island of 18.3 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
bo1_091806a	N70 34.584 W147 18.293	10:58	WHALE SEEN
BO1_091806b	N70 34.579 W147 18.486	10:58	may be coordinates for a whale
bo1_091806c	N70 34.695 W147 16.838	11:11	MANY BLOWS, all directions
bo1_091806d	N70 34.977 W147 16.539	11:14	three WHALES SEEN (and chased)
bo1_091806e	N70 35.406 W147 14.781	11:24	following whale
bo1_091806f	N70 35.638 W147 16.421	11:29	FIRST STRIKE on WHALE (and MANY BLOWS)
bo1_091806g	N70 36.265 W147 17.422	12:10	more bombs into whale?
bo1_091806h	N70 36.335 W147 17.417	12:24	estimated position of whale death
BO1_091806i	N70 36.340 W147 17.401	12:26	location of prayer of thanks
BO1_091806j	N70 36.382 W147 18.190	12:52	beginning of the tow

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	NE to find open water
Time spent actively scouting/# people looking:	3:24 (entire trip to 11:29, 1 st strike)
Time spent in travel/tow/assistance to other boats/on "break":	0:55 (chase/kill), 0:28 (prep for tow), 4:53 (tow)

Notes: 11:26 seeing whales, 11:54 some excitement, 12:03 super bomb did not go off
 12:26 prayer. Coordinates N70 36.346 W147 17.430 (kill)
 Whale 34°0", flukes 10°11", slit 13", 5" between slit and anus, anus to far end of slit is 18"
 BO1 headed out NE from Cross Island, until about the 11.8 mile mark, and then headed east (and a little south). They saw a whale at about estimated point aa1_091806a (although they marked a point that is not on their track in this same area at about this time – UA1_091806b). They started to chase this whale, with NUK3 only a little behind them (1 or 2 minutes) and UA1 maybe 10 or a little more minutes away. BO1 saw lots of blows in all directions from point bo1_091806c. By this time NUK3 had caught up with BO1 and UA1 was about 5 minutes behind. At estimated point bo1_091806d BO1 reported seeing three whales. BO1 followed the whale to point bo1_091806f (approximately 11:29 AM), where they struck a whale, but not one that they had been following. There were whales all over at this point and the one they struck "came out of nowhere" and appeared right by their boat. There were a lot of blows to the SE of bo1_091806f (BO said that it was the middle part of the migration and that there would be lots of whales until October). The struck whale stayed under water about 30 minutes, according to BO1.
 For clarification, BO reported that they had seen a small whale at bo1_091806a. They had been following the current SE in the fog and when the fog started to clear up they saw this whale. They looked for it again to the east and saw some other blows and went to them. One of these was the whale that they then chased, first seen near bo1_091806c. They followed this whale to point bo1_091806f, where they struck a different whale that "appeared out of nowhere."
 Estimated point bo1_091806g was some whaling event in the chase – probably more bombs (approximately 12:10 PM). Point bo1_091806h was where BO1 said the whale died, and point BO1_091806i is where BO1 marked the point where they prayed after the whale was dead (about 12:25 PM). They said that the whale was spinning so much after they struck it that it made the lines short on the float and pulled the harpoon out – but that the float stayed on because of all the line wrapped around the whale. They had to cut this line off before the tow could be started. Point BO1_091806j is where BO1 marked the beginning of the tow. When the whale was struck, the float line did not go out as quickly as it should have (the whale was not moving much) so they had to just throw the bucket and float out. Then the whale finally started moving. The first bomb did not go off.
 BO1 used three bombs on the whale – 1 darting gun and 2 shoulder gun. BO1 reported that UA1 used 2 bombs – a darting gun and a shoulder gun – and NUK3 used a darting gun. NUK3 used the lance on the whale to make sure it was dead, but BO1 thought the last bomb used was the one that really did the damage and killed it. On the tow back, the wind really picked up just as they reached the ice. The ice was about 11 miles from Cross Island – beyond that it was pretty much open water. Once they were in the ice they had to zigzag among the new and old ice pans. While they were scouting it had been pretty calm in the open areas, but would not have been so calm if they had been out there longer.

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?		Weather notes:	BP 29.8 and falling (at a peak)
Wind Direction:	shifty	Wind speed and other notes:	5-10 mph, with a data gap for most of the day
% Ice Coverage:	UNK	Ice Type:	Clear inside islands
Wave Height:	No info	Other Notes:	
Other pertinent notes:	Wind shifted from NW to E before noon, data gap after noon		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? No If yes, describe below

GPS track? Yes GPS File Name: BO1_091806.gdb

If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/18/06 **Crew:** Aqargiun **GPS Type:** Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
IAN	FG	20'	Yamaha 225	6

Whaling today? Yes **If not, why not?** But only to assist with tow

Time departed: 12:56 PM **Time returned:** 5:45 PM
Trip time of 4 hours 49 minutes, roundtrip of 35.6 miles, furthest point from Cross Island of 14.1 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
none			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	NE to find the quickest way to join the tow
Time spent actively scouting/# people looking:	none
Time spent in travel/tow/assistance to other boats/on "break":	4:49 (entire trip)
Notes:	The IAN crew did not go out scouting, but when BO1 struck and landed a whale IAN went out to help tow the whale in. IAN left Cross Island at 12:56 and while on the way out radioed the Com Center that industry vessels now had their permission to proceed with their activities unimpeded. The IAN boat was requested to help with the tow as it was the most powerful boat out at Cross Island.

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?		Weather notes:	BP 29.8 and falling (at a peak)
Wind Direction:	shifty	Wind speed and other notes:	5-10 mph, with a data gap for most of the day
% Ice Coverage:	UNK	Ice Type:	Clear inside islands
Wave Height:	No info	Other Notes:	
Other pertinent notes:	Wind shifted from NW to E before noon, data gap after noon		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? **If yes, describe below**
No

GPS track? Yes **GPS File Name:** IAN_091806.gdb
If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/18/06 **Crew:** Nukapigak **GPS Type:** Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
NUK3	AL	18'	Mercury 125	4

Whaling today?	Yes	If not, why not?	
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Time departed: 9:24 AM **Time returned:** 5:45 PM
Trip time of 8 hours 21 minutes, roundtrip of 50.0 miles, furthest point from Cross Island of 18.5 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
none			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	NE to find open water
Time spent actively scouting/# people looking:	1:55 (entire trip to 11:29, 1 st strike)
Time spent in travel/tow/assistance to other boats/on "break":	0:55 (chase/kill), 0:28 (prep for tow), 4:53 (tow)
Notes:	<p>First part of NUK3 track was lost. They say they headed out NE, and it was 7 or 8 miles to open water, and then they followed the current – the same path as BO1 followed. NUK crew member related that he had told BO to “go to open water and follow the current, and you’ll find a whale.” They were about 3 miles apart from BO1. When they got to BO1 they saw so many blows that they did not know which to pick to chase. There were so many big ones, and at least 3 close to BO1. One of these was a mother with a calf.</p> <p>In days after this whale was taken the NUK3 crew reported that they had a chance to strike this whale, but deferred to the BO1 crew. The BO1 crew reported that they had some problems with their equipment, but were able to strike the whale after they repaired it. Other crews then assisted in the kill. NUK3 also says that as soon as UA1 shot the whale that NUK3 went next to the whale and shot it in the neck, and then got it with the lance [and UA1 put in another shoulder bomb].</p>

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?		Weather notes:	BP 29.8 and falling (at a peak)
Wind Direction:	shifty	Wind speed and other notes:	5-10 mph, with a data gap for most of the day
% Ice Coverage:	UNK	Ice Type:	Clear inside islands
Wave Height:	No info	Other Notes:	
Other pertinent notes:	Wind shifted from NW to E before noon, data gap after noon		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities?	If yes, describe below
No	

GPS track? Yes **GPS File Name:** NUK3_091806.gdb

If not, why not?	
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cANIMIDA Task 7 Data Collection Form, 2006

Use one form for each vessel/day

Date: 09/18/06 **Crew:** Ahkiviana **GPS Type:** Garmin 60MAP

Vessel	Type	Length	HP Motor	# crew aboard/notes
UA1	FG	20'	Yamaha 125	4

Whaling today?	Yes	If not, why not?	
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Time departed: 9:16 AM **Time returned:** 5:45 PM

Trip time of 8 hours 29 minutes, roundtrip of 48.5 miles, furthest point from Cross Island of 18.0 miles

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
ua1_091806a	N70 32.800 W147 32.743	10:04	ice edge (about 10.8 miles from Cross Island)
ua1_091806b	N70 31.127 W147 22.394	11:07	UA1 position when BO1 saw whale and called for help
UA1_091806c	N70 35.415 W147 14.916	11:23	position when UA1 caught up to BO1 and NUK3
UA1_091806d	N70 35.702 W147 16.625	11:48	float put on the whale (by UA1) to help kill whale

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	ENE to find the ice edge, based on prior days
Time spent actively scouting/# people looking:	2:13 (trip to 11:29, time of strike)
Time spent in travel/tow/assistance to other boats/on "break":	0:55 (chase/kill), 0:28 (prep for tow), 4:53 (tow)
Notes:	AA1 headed out ENE from Cross Island until they reached the ice edge (about point aa1_091806a, approximately 10.8 miles from Cross Island). On their way out from Cross Island they were headed to where they could find BO1, and once they hit open water were scouting for whales until they either found one (and could call the others) or someone else found one and could call them. They followed the current SE, until they heard BO1 on the radio and went to give him assistance (about 11:07 AM, point aa1_091806b). This was about the time when BO1 first saw a whale (point bo1_091806a). AA1 marked when they caught up with BO1 and NUK3 (point AA1_091806c) and when BO1 put a float on it (point AA1_091806d). AA1 reports that they put the darting gun bomb right on the head and slowed the whale down (and that the BO1 crew had made a similar shot on the AA1 whale).

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?		Weather notes:	BP 29.8 and falling (at a peak)
Wind Direction:	shifty	Wind speed and other notes:	5-10 mph, with a data gap for most of the day
% Ice Coverage:	UNK	Ice Type:	Clear inside islands
Wave Height:	No info	Other Notes:	
Other pertinent notes:	Wind shifted from NW to E before noon, data gap after noon		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities?	If yes, describe below
No	

GPS track? Yes **GPS File Name:** UA1_091806.gdb

If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for all non-scouting vessels/day

Date: 09/19/06 **Crew:** various **GPS Type:** NA

Vessel	Type	Length	HP Motor	# crew aboard/notes
BO1	FG	18'	Yamaha 80	Butcher
BO2	AL	18'	Yamaha 70	Butcher
IAN	FG	20'	Yamaha 225	Butcher
NUK1	AL	18'	Yamaha 115	Butcher
NUK2	FG	20	Yamaha 200	Butcher
NUK3	AL	18'	Mercury 125	Butcher
UA1	FG	20'	Yamaha 150	Butcher
UA2	AL	18'	Yamaha 75	Back from NQT/WD w/2 - Butcher
UA3	FG	24'	Evenrude 75	Back from NQT/WD w/1 - Butcher

Whaling today? No **If not, why not?** Quota of 4 was taken. Needed to finish butchering and packing and cleaning.

Time departed: NA **Time returned:** NA

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
NA			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation): NA
Time spent actively scouting/# people looking: NA
Time spent in travel/tow/assistance to other boats/on "break": NA
Notes: Quota taken. Needed to finish butchering, packing, and cleaning the island.

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	Mist fog	Weather notes:	BP 29.5 and rising
Wind Direction:	NW	Wind speed and other notes:	2-16 mph, highest near midday.
% Ice Coverage:	UNK	Ice Type:	Floating floes
Wave Height:	UNK	Other Notes:	
Other notes on sea conditions:			
Other pertinent notes:			

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? **If yes, describe below**
No

GPS track? NA **GPS File Name:**
If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for all non-scouting vessels/day

Date: 09/20/06 Crew: various GPS Type: NA

Vessel	Type	Length	HP Motor	# crew aboard/notes
BO1	FG	18'	Yamaha 80	Butcher/WD trip w/tuvs
BO2	AL	18'	Yamaha 70	Butcher
IAN	FG	20'	Yamaha 225	Butcher
NUK1	AL	18'	Yamaha 115	Butcher
NUK2	FG	20'	Yamaha 200	Butcher
NUK3	AL	18'	Mercury 125	Butcher
UA1	FG	20'	Yamaha 150	Butcher
UA2	AL	18'	Yamaha 75	Butcher
UA3	FG	24'	Evenrude 75	Butcher

Whaling today? No If not, why not? Quota of 4 was taken. Needed to finish butchering and packing and cleaning.

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
NA			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation): NA
 Time spent actively scouting/# people looking: NA
 Time spent in travel/tow/assistance to other boats/on "break": NA
 Notes: Quota taken. Needed to finish butchering, packing, and cleaning the island.

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?	Mist fog	Weather notes:	BP 29.9 and rising (really at a peak)
Wind Direction:	shifty	Wind speed and other notes:	0-15 mph, calmest near midday.
% Ice Coverage:	UNK	Ice Type:	Floating floes
Wave Height:	UNK	Other Notes:	
Other pertinent notes:	Wind shift from NW to E near midday		

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? If yes, describe below
 No

GPS track? NA GPS File Name:
 If not, why not?

cANIMIDA Task 7 Data Collection Form, 2006

Use one form for all non-scouting vessels/day

Date: 09/21/06 **Crew:** various **GPS Type:** NA

Vessel	Type	Length	HP Motor	# crew aboard/notes
BO1	FG	18'	Yamaha 80	Butcher/Pack
BO2	AL	18'	Yamaha 70	Butcher/Pack
IAN	FG	20'	Yamaha 225	Butcher/Pack
NUK1	AL	18'	Yamaha 115	Butcher/Pack
NUK2	FG	20	Yamaha 200	Butcher/Pack
NUK3	AL	18'	Mercury 125	Butcher/Pack
UA1	FG	20'	Yamaha 150	Butcher/Pack
UA2	AL	18'	Yamaha 75	Butcher/Pack
UA3	FG	24'	Evenrude 75	Butcher/Pack

Whaling today? No **If not, why not?** Quota of 4 was taken. Needed to finish butchering and packing and cleaning.

Time departed: NA **Time returned:** NA

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
NA			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation): NA
Time spent actively scouting/# people looking: NA
Time spent in travel/tow/assistance to other boats/on "break": NA
Notes: Quota taken. Needed to finish butchering, packing, and cleaning the island.

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?		Weather notes:	BP 29.5 at midday, when readings for weather station end
Wind Direction:	E	Wind speed and other notes:	10-25 mph, end at midday with 25 MPH
% Ice Coverage:	UNK	Ice Type:	Floating floes Other Notes:
Wave Height:	UNK	Other notes on sea conditions:	
Other pertinent notes:			

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? No **If yes, describe below**

GPS track? NA **GPS File Name:**
If not, why not?

Date: 09/22/06 Crew: various GPS Type: NA

Vessel	Type	Length	HP Motor	# crew aboard/notes
BO1	FG	18'	Yamaha 80	To WD and then to NQT
BO2	AL	18'	Yamaha 70	To WD on barge, then to Nuiqsut
IAN	FG	20'	Yamaha 225	To WD and then trucked to repair facility
NUK1	AL	18'	Yamaha 115	To WD and then to NQT
NUK2	FG	20	Yamaha 200	To WD and then to NQT
NUK3	AL	18'	Mercury 125	To WD and then to NQT
UA1	FG	20'	Yamaha 150	To WD and then to NQT
UA2	AL	18'	Yamaha 75	To WD on barge, then to Nuiqsut
UA3	FG	24'	Evenrude 75	To WD on barge, then to Nuiqsut (9/23)

Whaling today? No If not, why not? Demobilization day.

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Way Point #	Lat/Long	Time	Notes (if whale - # of animals, direction of travel, behavior)
NA			

Describe the day's activity (traveling, hours searching for whales)

Direction of initial search (and explanation):	NA
Time spent actively scouting/# people looking:	NA
Time spent in travel/tow/assistance to other boats/on "break":	NA
Notes:	This was demobilization day. All boats left Cross Island – the larger boats under their own power and the smaller boats on the large barge to West Dock. They were unloaded in West Dock and proceeded to Nuiqsut under their own power. A significant number of crew members were transported to West Dock by ACS day boats. The IAN boat went to West Dock under its own power, but was transported by there to be repaired and the crew flew to Nuiqsut. All other crew members went by boat to Nuiqsut. UA3 experienced electrical problems and had to remain at West Dock until the next day (with 2 people). It was repaired the next day and made it to Nuiqsut on 9/23 with 2 on board.

Observations of Whaling Crew - weather, sea state, ice-conditions

Fog or clouds?		Weather notes:	Weather station had been disabled – no reading
Wind Direction:		Wind speed and other notes:	No reading, but significant
% Ice Coverage:	UNK	Ice Type:	Clear inside islands
Wave Height:	3'-6'	Other Notes:	
Other pertinent notes:			

Note: Cross Island weather observations are compiled in a separate file (weather station + observer)

Engaged in any other subsistence activities? No If yes, describe below

GPS track? NA GPS File Name:
If not, why not?