

# Appendix B

## Daily Boat Report Forms Cross Island Whaling, 2003

Appendix B: Daily Boat Report Forms – Cross Island Whaling, 2003

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ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 08/29/03 Crew: Aqargiun GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
IAN	Fiberglass	20'	Yamaha 125 HP	4

Whaling today? No If not, why not? Travel to Cross Island

Time departed: 1:34 PM Time returned: 7:00 PM (at Cross Island)

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):  
 Time spent actively scouting/# people looking:  
 Time spent in travel/tow/assistance to other boats/on "break":  
 Notes: Times are approximate, but traveled with BO1 and BO2 boats for the most part. Moved into their cabin and began to work on preparing whaling equipment.

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

Fog or clouds?	No	Weather notes:	Fog around Oliktook Point
Wind Direction:		Wind speed and other notes:	15 to 20 knots
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	3-5 feet	Other notes on sea conditions:	Choppy and rough, esp. near Oliktook
Other pertinent notes:	Weather station not installed as yet		

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

Simply traveled to Cross Island

GPS track? Yes GPS File Name: IAN\_082903.mps

If not, why not? Partial track – GPS turned on only after reaching the ocean

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 08/30/03 Crew: Aqargiun GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
IAN	Fiberglass	20'	Yamaha 125 HP	NA

Whaling today? No If not, why not? Weather  
 Very windy and choppy

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):  
 Time spent actively scouting/# people looking:  
 Time spent in travel/tow/assistance to other boats/on "break":  
 Notes: Most crews used this day to work on floats and other equipment (including bombs). Time also spent on cleaning up cabins and other domestic chores.

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

Fog or clouds?	HCC	Weather notes:	Bright with some high cloud cover (HCC), BP 29.73 early afternoon and falling (low approx. 12PM) , temp. 37F
Wind Direction:	NE,ENE	Wind speed and other notes:	14-21+ mph, low about midnight, see weather file
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	3ft+	Other notes on sea conditions:	Very choppy
Other pertinent notes:	Weather station installed about 3:30 PM. Took several tries to find a good location for the data logger (to receive signals from all sensors). Rainfall gauge not installed.		

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 subsistence activities other than working on whaling equipment.

GPS track? NA GPS File Name:

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 08/31/03 Crew: Aqargiun GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
IAN	Fiberglass	20'	Yamaha 125 HP	NA

Whaling today? No If not, why not? Weather – foggy with some chop

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):  
 Time spent actively scouting/# people looking:  
 Time spent in travel/tow/assistance to other boats/on "break":  
 Notes: Day spent on domestic chores and helping with Napageak cabin project.

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

Fog or clouds?	Fog	Weather notes:	Temp. 35F, BP 29.79 and rising (peaks 3AM 9/01)
Wind Direction:	WNW	Wind speed and other notes:	0-18 mph, peaks 3PM – see WF
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	2-4 ft	Other notes on sea conditions:	Better than yesterday, still can't scout (can travel)
Other pertinent notes:	See weather station file		

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

Domestic activities, working on cabins, etc.

GPS track? NA GPS File Name:

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/01/03 Crew: Aqargiun GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
IAN	Fiberglass	20'	Yamaha 125 HP	4

Whaling today? Yes If not, why not? \_\_\_\_\_

Time departed: 11:16 AM Time returned: 3:31 PM

4 hours 15 minutes

Waypoints or Coordinates noted

Lat/Long	Way Point #	Time	Notes (if whale - # of animals, direction of travel, behavior)
N70 32 26.1 W147 53 23.0	IAN_090103a	12:27 PM	Coordinates given to another boat so that they could meet
N70 33 02.8 W147 55 04.6	IAN_090103b	12:36 PM	Report that this is where they struck the whale, but the time and other aspects are inconsistent. Probably where they first saw the whale.
N70 33 51.2 W147 54 21.1	ian_090103c	12:55 PM	Likely coordinates for whale strike
N70 33 31.8 W147 56 07.7	IAN_090103d	1:48 PM	Coordinates for where whale was killed

Length 26' 1", tail flukes 7' 10", male

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

<b>Direction of initial search (and explanation):</b>	Headed east and then north to prior whale sighting
<b>Time spent actively scouting/# people looking:</b>	11:34 – 12:55 (when IN put float on)
<b>Time spent in travel/tow/assistance to other boats/on "break":</b>	12:55-1:48 (kill), 1:48-3:31 (tow)
<b>Notes:</b>	Account was somewhat confusing. IAN boat headed out east and then almost due north, but were called by another boat with a whale sighting and turned back (unclear what boat this was). Met with at least one other boat about 12:27 PM, evidently before seeing any whales. Soon after they saw 3 whales (probably IAN_090103b) – 1 behind them (and so out of position for them), 1 in position for NAP2 boat (and NAP2 chased it), and 1 close to them, which they chased, along with BO1 boat. BO1 boat had a good chance at this whale but their motor stalled at a critical moment and they did not have a shot. Whale then dived and they lost it for a bit. IAN boat spotted it – it was spooked and going in zig-zags under water. They followed it by its air bubbles. After perhaps its second dive IAN boat struck the whale (probably in the area of point ian_090103c). The whale then sounded and stayed down for 20 or 25 minutes. Float moved some, but not much. When whale came up the IAN boat tried to shoot it with a shoulder gun, but the gun misfired. Whale sounded again for about 15 minutes. Again float moved, but not a great distance. When it came up NAP1 boat shot it with another darting gun (no float) and it did not sound, but was still moving. BO2 boat put in a third darting gun bomb and the whale died (but waited to announce). Only IAN, NAP1, and NAP2 boats towed due to short tow rope. TOT 4:15, total of at least 26.6 miles, FDFCI 5.4 miles, strike 5.2 MFCI, kill 4.7 MFCI. Whale 26' 1"; tail flukes 7' 10"; male.

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

<b>Fog or clouds?</b>	A little	<b>Weather notes:</b>	Drizzly, with a little fog, BP 29.94 early, but falls all day
<b>Wind Direction:</b>	NNW	<b>Wind speed and other notes:</b>	0-20 mph, lowest 9AM, highest after 3PM – see WF
<b>% Ice Coverage:</b>	0	<b>Ice Type:</b>	
<b>Wave Height:</b>	3-4ft	<b>Other notes on sea conditions:</b>	Conditions still somewhat marginal for scouting – choppy, maybe not predicted 3-4 foot seas
<b>Other pertinent notes:</b>	See weather station file		

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

Polar bear with cub observed on the far part of Cross Island after 7AM. By the end of the day at least 3 or 4 other polar bears were observed on the island, including a fight/spate between what the whalers believed was a male bear and the bear with the cub. During butchering or division of the whale shares polar bears were approaching the butcher site and had to be scared away by gunfire (no attempt to actually shoot them).

GPS track? Yes GPS File Name: IAN\_090103.mps

If not, why not? \_\_\_\_\_

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/02/03 Crew: Aqargiun GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
IAN	Fiberglass	20'	Yamaha 125 HP	NA

Whaling today? No If not, why not? Marginal conditions, need to complete butchering

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	

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

Fog or clouds?	cloudy	Weather notes:	Windy, cloudy, overcast, some fog – conditions improved later. BP falls until 3AM on 9/03
Wind Direction:	See WF	Wind speed and other notes:	Windy in morning (20 mph @ 3AM), calmed in afternoon (0 mph evening), then increased
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	6-7 feet	Other notes on sea conditions:	Very choppy in morning, calmed in afternoon
Other pertinent notes:	See weather station file		

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

At least 6 polar bear now on Cross Island – mother w/1 cub, mother w/2 cubs, 4 or 5 others (at least 1 presumed to be male)

GPS track? NA GPS File Name:

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/03/03 Crew: Aqargiun GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
IAN	Fiberglass	20'	Yamaha 125 HP	NA

Whaling today? No If not, why not? Weather – windy and chilly

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	Wind continues all day and seas too high (reported to be worst near Cross Island). People work on cabins or do other chores. Boats taken up out of water due to probable high winds and waves. ASC barge comes to Cross Island with John Whitehead (VP ConocoPhillips) to stay with IAN crew. NAP3 does a little duck hunting and makes a trip to West Dock for packages, but deemed too rough for scouting – see NAP3

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

Fog or clouds?	overcast	Weather notes:	Windy and chilly all day, some breaks of sun, BP rising all day
Wind Direction:	See WF	Wind speed and other notes:	Windy – varies through day, see WF (low to 25 mph) – increases mostly through the day
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	5+ feet	Other notes on sea conditions:	Choppy – can travel BUT not pleasant
Other pertinent notes:	See weather station file		

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

Engaged in Cross Island chores. NAP3 did a little duck hunting (none harvested)

GPS track? NA GPS File Name:

If not, why not?



ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/04/03 Crew: Aqargiun GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
IAN	Fiberglass	20'	Yamaha 125 HP	NA

Whaling today? No If not, why not? Very windy, cloudy and overcast, some rain

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	Work on gear for whaling, do work on cabins, do other domestic chores. NUK2 makes a trip to West Dock for some packages BUT too rough for scouting – reported to be VERY rough and their boat was watched for as long as it was visible

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

Fog or clouds?	overcast	Weather notes:	Very windy, cloudy and overcast, some rain; BP rising all day
Wind Direction:	See WF	Wind speed and other notes:	30+ mph, varies through day, see WF (6 to 33 mph)
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	high	Other notes on sea conditions:	Extreme white caps, no boats out to look
Other pertinent notes:	See weather station file		

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

As on previous days, confined to on-island activities (and 1 boat trip to West Dock)

GPS track? NA GPS File Name:

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/05/03 Crew: Aqargiun GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
IAN	Fiberglass	20'	Yamaha 125 HP	4

Whaling today? Yes If not, why not? \_\_\_\_\_  
 Time departed: 6:06 AM Time returned: 11:03 AM

4 hours 57 minutes

Waypoints or Coordinates noted

Lat/Long	Way Point #	Time	Notes (if whale - # of animals, direction of travel, behavior)
N70 32 17.7 W147 46 46.9	ian_090503a	6:26 AM	Position when IAN slowed to look for whales because NAP2 had seen one. NAP2 was to the south of IAN boat somewhat more than 1 mile.
N70 31 39.7 W147 35 02.0	ian_090503b	7:07 AM	Position where IAN resumed "traveling" speed – possibly because they were called to a whale NAP2 was following.
N70 29 29.2 W147 35 21.6	IAN_090503c	7:13 AM	Reported as position IAN struck the whale. It is more consistent with radio reports and other accounts that this is a sighting waypoint.
N70 29 34.4 W147 32 34.3	IAN_090503d	7:32 AM	Reported as where IAN bat had to turn around 180 degrees. More consistent that this is where the whale was first struck.
N70 29 39.8 W147 32 28.0	ian_090503e	7:38 AM	Likely IAN position when NAP2 put in 2 <sup>nd</sup> darting gun bomb
N70 29 40.0 W147 32 25.4	ian_090503f	7:52 AM	Likely IAN position when IAN killed whale with shoulder gun bomb
N70 29 37.3 W147 32 17.7	IAN_090503g	8:02 AM	Reported as position IAN had to turn around again. More consistent as location of radio report of killed whale
N70 29 28.1 W147 31 34.2	ian_090503h	8:20 AM	IAN position at time of reported start of tow

Length of 27'9", tail flukes 8'5", slit of 11"

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

Direction of initial search (and explanation):	North, then NE and east
Time spent actively scouting/# people looking:	6:06-7:32 AM – 86 minutes
Time spent in travel/tow/assistance to other boats/on "break":	8:20-11:03 AM – 2 hours 43 minutes

**Notes:** From account of crews and examinations of tracks  
 Headed out north, then NE and east. BO boats were in the general area, as was NAP2 and NAP3 (NAP1 stayed pretty much to the north, NUK boats went SE). NAP2 saw a whale or a blow and all boats slowed to scout more intensively (ian\_090503a). They evidently kept at this until NAP2 called them to help with the whale NAP2 was following (all boats converged on NAP2 position). Several boats had chances at this whale. It was reported to have come up twice by NAP2 and a third time by the BO boats. BO2 lined up for a shot when another boat was reported to spook the whale by going over its trail of air bubbles. The whale then came up near BO2 and NAP2 but not in a position for a shot, and when it dove it changed directions by 180 degrees. Thus it came up in back of them and they were going in the wrong direction to chase it, whereas IAN was headed in the same direction as the whale. Thus IAN actually had the first good shot at this whale and made the strike. All other boats then left to resume scouting except for NAP2, which assisted in the kill – put in a second darting gun bomb about 5 minutes after the first strike (whale went down a little after 1<sup>st</sup> strike, then came up). IAN killed the whale with a final shoulder gun bomb (about 15 or 20 minutes later – whale stayed down that long). See waypoints above. NAP2 boat left to resume scouting when the NUK boats arrived in the area (at about 7:45 AM) and IAN and NUK boats towed the IAN whale to Cross Island and started butchering. TOT 4:57, total distance 34.1 miles, FDFCI 11.3 miles. Whale was initially thought to be female, may be male. 27'9", tail flukes 8'5", slit of 11". Strike 9.7 MFCI, kill 10.1 to 10.5 MFCI [some uncertainty on strike location]

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

Fog or clouds?	clouds	Weather notes:	Trying to snow, temperature in the 30s; BP peaks at 3PM @ 29.8 and then falls
Wind Direction:	SW	Wind speed and other notes:	Varies – 0 to 18 mph – see WF
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:		Other notes on sea conditions:	
Other pertinent notes:	See weather station file		

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

Butchered own whale, helped with NAP2 whale.

GPS track? Yes GPS File Name: IAN\_090503.mps

If not, why not? \_\_\_\_\_

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/06/03 Crew: Aqargiun GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
IAN	Fiberglass	20'	Yamaha 125 HP	UNK

Whaling today?	No	If not, why not?	Took "fresh kill" to Nuiqsut
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Time departed: \_\_\_\_\_ Time returned: \_\_\_\_\_

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	Took fresh kill to Nuiqsut. Originally NUK2 was going to do this for IAN, but sea conditions made it dangerous for the NUK2 boat to try to go to West Dock.. The NAP3 boat did make it to West Dock, as did the IAN boat once the NUK2 boat came back. Typically, when returning to Nuiqsut, boats from Cross Island will first go to West Dock and then go inside the barrier islands to Nuiqsut. The trip from Cross Island to West Dock is the roughest part, and is often rougher than the sea conditions to the north of Cross Island.

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

Fog or clouds?		Weather notes:	Windy and choppy in morning, calming in afternoon; BP falling all day
Wind Direction:		Wind speed and other notes:	0-20 mph, calmest around 6PM – see WF
% Ice Coverage:	0	Ice Type:	
Wave Height:		Other Notes:	
Other pertinent notes:	See weather station file		

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

Whale arrived just before midnight, butchering deferred until next day.
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GPS track? No GPS File Name:

If not, why not?	Trip to Nuiqsut, no track collected
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ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/07/03 Crew: Aqargiun GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
IAN	Fiberglass	20'	Yamaha 125 HP	NA

Whaling today? No If not, why not? Boat returned to Cross Island. Also butcher, quota filled

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):  
 Time spent actively scouting/# people looking:  
 Time spent in travel/tow/assistance to other boats/on "break":  
 Notes: Day spent in butchering. IAN boat returned to Cross Island.

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

Fog or clouds?	overcast	Weather notes:	Clear but very overcast, some drizzle, breeze increasing; BP falling all day
Wind Direction:		Wind speed and other notes:	5 to 17 mph
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:		Other notes on sea conditions:	
Other pertinent notes:	See weather station file		

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

Butchering of last whale, IAN boat returned to Cross Island

GPS track? No GPS File Name:

If not, why not? Trip from Nuiqsut to Cross Island, track not collected

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/08/03 Crew: Aqargiun GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
IAN	Fiberglass	20'	Yamaha 125 HP	NA

Whaling today? NO If not, why not? Preparing to return to Nuiqsut

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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): \_\_\_\_\_  
 Time spent actively scouting/# people looking: \_\_\_\_\_  
 Time spent in travel/tow/assistance to other boats/on "break": \_\_\_\_\_  
 Notes: Mainly preparing for departure to Nuiqsut

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

Fog or clouds?	overcast	Weather notes:	Overcast with later breaks of sun, some rain and snow, windy; BP increasing all day (peaks at 3AM on 9/09)
Wind Direction:		Wind speed and other notes:	20+ mph, peak of 35 mph, low of 5 mph – see WF
% Ice Coverage:	0	Ice Type:	
Wave Height:		Other Notes:	
Other pertinent notes:	See weather station file		

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

Butcher whale and divide shares

GPS track? NA GPS File Name:

If not, why not? \_\_\_\_\_

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/09/03 Crew: Aqargiun GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
IAN	Fiberglass	20'	Yamaha 125 HP	4

Whaling today? No If not, why not? Return to Nuiqsut

Time departed: 1:44 PM Time returned: UNK

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	Travel back to Nuiqsut. Most crews decided to try to return to Nuiqsut, fearing that conditions would only get worse and they would be stuck on Cross Island due to weather. NAP crew stayed to finish some chores.

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

Fog or clouds?	clouds	Weather notes:	Windy and cool, very choppy with whitecaps, BP falling
Wind Direction:		Wind speed and other notes:	15-25 mph, falling when weather station taken down
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:		Other notes on sea conditions:	Very choppy, with whitecaps
Other pertinent notes:	Weather station dismantled		

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

Return to Nuiqsut

GPS track? NA GPS File Name:

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 08/23/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak1	Fiberglass	21'	Johnson 150 HP	UNK, probably 3

Crew of 9 in 3 boats

<b>Whaling today?</b>	No	<b>If not, why not?</b>	Trip from Nuiqsut to Cross Island
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Time departed: UNK Time returned: late

Waypoints or Coordinates noted

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

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

<b>Direction of initial search (and explanation):</b>	
<b>Time spent actively scouting/# people looking:</b>	
<b>Time spent in travel/tow/assistance to other boats/on "break":</b>	
<b>Notes:</b>	Left Nuiqsut for Cross Island, crew of 9 in 3 boats (probably evenly distributed). Arrived at Cross Island late in the evening.

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

<b>Fog or clouds?</b>		<b>Weather notes:</b>	Researcher not present, no report received – good enough to travel
<b>Wind Direction:</b>		<b>Wind speed and other notes:</b>	
<b>% Ice Coverage:</b>		<b>Ice Type:</b>	<b>Other Notes:</b>
<b>Wave Height:</b>		<b>Other notes on sea conditions:</b>	
<b>Other pertinent notes:</b>			

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

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

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GPS track? No GPS File Name:

<b>If not, why not?</b>	Researcher not present so no track collected
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ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 08/24/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak1	Fiberglass	21'	Johnson 150 HP	NA

Whaling today? No If not, why not? Weather conditions, also just arrived at Cross Island. Need to prepare cabin, obtain gas supply, etc. (logistical support for Cross Island not yet mobilized)

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	One or more boats went to West Dock for gas, and a chop came up which forced some of them to stay overnight at West Dock

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

Fog or clouds?		Weather notes:	
Wind Direction:		Wind speed and other notes:	Windy - too windy to scout
% Ice Coverage:		Ice Type:	
Wave Height:		Other Notes:	Okay for travel early, very choppy late in the day
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

Trip to West Dock BUT some forced to stay overnight due to choppy sea conditions

GPS track? NA GPS File Name:

If not, why not?





ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 08/26/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak1	Fiberglass	21'	Johnson 150 HP	NA

Whaling today? No If not, why not? Weather

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	

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

Fog or clouds?		Weather notes:	Research not yet on Cross Island, no reports
Wind Direction:		Wind speed and other notes:	
% Ice Coverage:		Ice Type:	Other Notes:
Wave Height:		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?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 08/27/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak1	Fiberglass	21'	Johnson 150 HP	UNK

Whaling today? Yes  If not, why not?

Time departed: 3:21 PM Time returned: 6:06 PM

2 hours 45 minutes

Waypoints or Coordinates noted

Lat/Long	Way Point #	Time	Notes (if whale - # of animals, direction of travel, behavior)
			None marked by crew
N70 31 51.0 W147 58 54.9	nap1_082703a	3:52 PM	3 miles from CI, a jog to the east (no real change in speed)
N70 33 06.3 W148 00 51.7	nap1_082703b	4:15 PM	4.5 miles from CI, slow to 4-8 mph
N70 33 34.7 W147 59 09.5	nap1_082703c	5:19 PM	5.0 miles from CI, slow to 3- mph, soon resumed 4-8 mph
N70 32 26.6 W148 00 11.3	nap1_082703d	5:36 PM	3.7 miles from CI, resume faster speed, probably heading back to Cross Island

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

Direction of initial search (and explanation):	Looked north at first – historically where whales are seen
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	No detailed crew explanation of this track – derived from track examination and later conversations with crew. Boat first started north in company of other NAP boats. Took a jog east about 3 miles north of Cross Island but no reported whale sightings and no real change in boat speed. Resumed cruising speed and went NW to about 4.5 miles of Cross Island and reduced speed and made a loop NW (2 mi.) NE (2 mi.), then SW (2.8 mi). Furthest points from Cross Island of about 5.8 to 6.4 miles. Reported seeing a whale about 5 miles from Cross Island but no more detailed identification of where it was spotted on the track. Reported seeing 2 to 4 whales total for this trip. TOT After return, took a trip to West Dock. May also have had an earlier scouting trip (see NAP3 report). Mobilization barge was supposed to set up Cross Island infrastructure today, but weather prevented it doing so – another case where West Dock to Cross Island conditions were worse than those north of Cross Island. TOT scouting 2:45, total of about 20 miles, FDFCI 6.4 miles. Trip to West Dock of about 33 miles.

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

Fog or clouds?		Weather notes:	No report
Wind Direction:		Wind speed and other notes:	
% Ice Coverage:		Ice Type:	Other Notes:
Wave Height:		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? Yes  GPS File Name: NAP1\_082703.mps  
If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 08/28/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak1	Fiberglass	21'	Johnson 150 HP	NA

Whaling today? No If not, why not? Weather, logistical mobilization

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	Errands and chores on Cross Island. Probable day that mobilization barge took logistical support material to Cross Island, so NAP crew would also have had tasks to perform in connection with this

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

Fog or clouds?		Weather notes:	Windy and choppy
Wind Direction:		Wind speed and other notes:	
% Ice Coverage:		Ice Type:	Other Notes:
Wave Height:		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

Cross Island chores and errands

GPS track? NA GPS File Name:

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 08/29/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak1	Fiberglass	21'	Johnson 150 HP	NA

Whaling today? No If not, why not? Weather – boats able to travel from Nuiqsut to Cross Island, but too windy and choppy to scout for whales

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	

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

Fog or clouds?	No	Weather notes:	Fog around Oliktook Point, very windy at Cross Island
Wind Direction:		Wind speed and other notes:	15 to 20 knots
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	3-5 feet	Other notes on sea conditions:	Choppy and rough, esp. near Oliktook
Other pertinent notes:	Weather station not installed as yet		

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?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 08/30/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak1	Fiberglass	21'	Johnson 150 HP	NA

Whaling today? No If not, why not? Weather  
 Very windy and choppy

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):  
 Time spent actively scouting/# people looking:  
 Time spent in travel/tow/assistance to other boats/on "break":  
 Notes: Most crews used this day to work on floats and other equipment (including bombs). Time also spent on cleaning up cabins and other domestic chores.

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

Fog or clouds?	HCC	Weather notes:	Bright with some high cloud cover (HCC), BP 29.73 early afternoon and falling (low approx. 12PM) , temp. 37F
Wind Direction:	NE,ENE	Wind speed and other notes:	14-21+ mph, low about midnight, see weather file
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	3ft+	Other notes on sea conditions:	Very choppy
Other pertinent notes:	Weather station installed about 3:30 PM. Took several tries to find a good location for the data logger (to receive signals from all sensors). Rainfall gauge not installed.		

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 subsistence activities other than working on whaling equipment.

GPS track? NA GPS File Name:

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 08/31/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak1	Fiberglass	21'	Johnson 150 HP	NA

Whaling today? No If not, why not? Weather – foggy with some chop. Boats able to travel from Nuiqsut to Cross Island, but too windy and choppy to scout for whales.

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	Day spent on domestic chores and helping with Napageak cabin project. Weather calmed in the afternoon and evening but BO crew prepared their boats and then helped NAPs with their cabin project. IAN crew also preparing.

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

Fog or clouds?	Fog	Weather notes:	Temp. 35F, BP 29.79 and rising (peaks 3AM 9/01)
Wind Direction:	WNW	Wind speed and other notes:	0-18 mph, peaks 3PM – see WF
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	2-4 ft	Other notes on sea conditions:	Better than yesterday, perhaps could scout later in day (can travel and NUK boats arrive from NQT)
Other pertinent notes:	See weather station file		

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

Domestic activities, working on cabins, etc.

GPS track? NA GPS File Name:

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/01/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak1	Fiberglass	21'	Johnson 150 HP	3

Whaling today? Yes If not, why not?

Time departed: 10:35 AM Time returned: 3:42 AM  
 5 hours 7 minutes

Waypoints or Coordinates noted

Lat/Long	Way Point #	Time	Notes (if whale - # of animals, direction of travel, behavior)
N70 29 50.6 W147 49 22.0	NAP1_090103a	11:17 AM	Unknown significance
N70 33 16.6 W147 48 22.8	nap1_090103b	noonish	Area where speed reduced, met NAP2
N70 32 28.4 W147 56 36.9	nap1_090103c	12:20 PM	Position where speed reduced (until next waypoint)
N70 31 36.8 W147 58 01.8	nap1_090103d	12:37 PM	Position where speed increased (until next waypoint)
N70 32 24.9 W147 59 29.1	nap1_090103e	12:43 PM	Position where speed reduced (until next waypoint)
N70 32 59.3 W147 58 54.0	nap1_090103f	12:52 PM	Position where speed increased (until next waypoint) – probably responding to IAN strike
N70 33 44.1 W147 55 02.6	nap1_090103g	12:57 PM	Speed decreased , near IAN whale strike waypoint

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

Direction of initial search (and explanation):	Headed east and north – with IAN boat
Time spent actively scouting/# people looking:	Likely 10:35AM – 12:52 PM
Time spent in travel/tow/assistance to other boats/on “break”:	12:55-1:48 (kill), 1:48-3:31 (tow)
Notes:	Not much explanation obtained from this track, which was actually constructed from a number of different GPS units. Not actually put together until analysis started in the office. NAP1 and IAN were fairly close together. Other boats (NAP2, BO boats) went north. first and then east. NAP1 met NAP2 at NE most part of track. May have been whale-sign in the area, as both were at low speed and circling – or may have simply been on break. Minimal explanation of these tracks obtained. Went to support IAN once they made a strike. Before this, they had seen whales and were likely helping NAP2 follow a whale (waypoints c-d, maybe even e-f) and may then have been called by IAN or the whale may have changed direction – had a sudden change of direction near waypoint d (as did NAP2). NAP1 reported having spark plug problems and “chased a whale one way, and then another whale the other way” – but location not clear. TOT 5:07, total of about 31 miles, FDFCI 5.5 miles.

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

Fog or clouds?	A little	Weather notes:	Drizzly, with a little fog, BP 29.94 early, but falls all day
Wind Direction:	NNW	Wind speed and other notes:	0-20 mph, lowest 9AM, highest after 3PM – see WF
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	3-4ft	Other notes on sea conditions:	Conditions still somewhat marginal for scouting – choppy, maybe not predicted 3-4 foot seas
Other pertinent notes:	See weather station file		

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

Polar bear with cub observed on the far part of Cross Island after 7AM. By the end of the day at least 3 or 4 other polar bears were observed on the island, including a fight/spate between what the whalers believed was a male bear and the bear with the cub. During butchering or division of the whale shares polar bears were approaching the butcher site and had to be scared away by gunfire (no attempt to actually shoot them).

GPS track? Yes GPS File Name: NAP1\_090103.mps

If not, why not?



## ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/02/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak1	Fiberglass	21'	Johnson 150 HP	3

Whaling today?	Yes	If not, why not?	Marginal conditions in morning, calms later
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Time departed: 9:48 AM/6:21 PM Time returned: 11:03 AM/10:00 PM1<sup>st</sup> trip 1 hour 15 minutes, 2<sup>nd</sup> trip 3 hours 39 minutes

## Waypoints or Coordinates noted

Lat/Long	Way Point #	Time	Notes (if whale - # of animals, direction of travel, behavior)
			None marked by crew

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

Direction of initial search (and explanation):	Headed east, then north, as on previous day
Time spent actively scouting/# people looking:	3 hours 30 minutes or so
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	First scouting trip of the day was soon aborted. Second trip headed east, but minimal explanation of the trip and the track was only partial. NAP boats went more east and south while other boats (BO, NUK) went more north. NAP boats may have see whale sign (some looping on the track and some time spent at lower, more scouting-intensive, speeds) – but no crew reports of whales. First trip TOT 1:15, no track so NAP3 may be close; second trip TOT 3:39, total of at least 35 miles, FDFCI at least 12.4 miles.

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

Fog or clouds?	cloudy	Weather notes:	Windy, cloudy, overcast, some fog – conditions improved later. BP falls until 3AM on 9/03
Wind Direction:	See WF	Wind speed and other notes:	Windy in morning (20 mph @ 3AM), calmed in afternoon (0 mph evening), then increased
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	6-7 feet	Other notes on sea conditions:	Very choppy in morning, calmed in afternoon
Other pertinent notes:	See weather station file		

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

At least 6 polar bear now on Cross Island – mother w/1 cub, mother w/2 cubs, 4 or 5 others (at least 1 presumed to be male)
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GPS track? Yes GPS File Name: NAP1\_090203.msp

If not, why not?	Partial track
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ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/03/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak1	Fiberglass	21'	Johnson 150 HP	NA

Whaling today? No If not, why not? Weather – windy and chilly (but calm early)

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	Wind continues all day and seas too high (reported to be worst near Cross Island). People work on cabins or do other chores. Boats taken up out of water due to probable high winds and waves. ASC barge comes to Cross Island with John Whitehead (VP ConocoPhillips) to stay with IAN crew. NAP3 does a little duck hunting and makes a trip to West Dock for packages, but deemed too rough for scouting – see NAP3 NUK boats do try to go out scouting briefly in the morning.

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

Fog or clouds?	overcast	Weather notes:	Windy and chilly all day, some breaks of sun, BP rising all day
Wind Direction:	See WF	Wind speed and other notes:	Windy – varies through day, see WF (low to 25 mph) – increases mostly through the day
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	5+ feet	Other notes on sea conditions:	Choppy – can travel BUT not pleasant
Other pertinent notes:	See weather station file		

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

Engaged in Cross Island chores. NAP3 did a little duck hunting (none harvested)

GPS track? NA GPS File Name:

If not, why not?



ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/05/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak1	Fiberglass	21'	Johnson 150 HP	3

Whaling today? Yes If not, why not? \_\_\_\_\_

Time departed: 6:13 AM Time returned: 3:09 PM

8 hours 56 minutes

Waypoints or Coordinates noted

Lat/Long	Way Point #	Time	Notes (if whale - # of animals, direction of travel, behavior)
N70 34 02.9 W147 23 00.2	NAP1_090503a	10:08 AM	Position marked for NAP3 whale (kill)
N70 33 47.9 W147 21 52.7	nap1_090503b	11:18 AM	Position of start of tow (approximate)

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

<b>Direction of initial search (and explanation):</b>	NE
<b>Time spent actively scouting/# people looking:</b>	Complex, but pretty much 6:13 AM – 8:06AM
<b>Time spent in travel/tow/assistance to other boats/on "break":</b>	8:06-9:58 chase and kill; 9:58-3:09 tow
<b>Notes:</b>	Headed NE in general company of other boats (separated by 1-2 miles). NAP1 did not really assist in the chasing or hunt of the IAN whale. NAP1 generally stayed in the general area of the other boats, but was scouting. Once NAP3 struck a whale NAP1 joined the other boats (sans IAN and the NUK boats, towing the IAN whale) in chasing and killing the NAP3 whale. See NAP3 report. There was some time between the death of the whale and the start of the tow. TOT 8:56, total of 40 miles, FDFCI 15 miles.

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

<b>Fog or clouds?</b>	clouds	<b>Weather notes:</b>	Trying to snow, temperature in the 30s; BP peaks at 3PM @ 29.8 and then falls
<b>Wind Direction:</b>	SW	<b>Wind speed and other notes:</b>	Varies – 0 to 18 mph – see WF
<b>% Ice Coverage:</b>	0	<b>Ice Type:</b>	<b>Other Notes:</b>
<b>Wave Height:</b>		<b>Other notes on sea conditions:</b>	
<b>Other pertinent notes:</b>	See weather station file		

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

Helped butcher

GPS track? Yes GPS File Name: NAP1\_090503.mps

If not, why not? \_\_\_\_\_

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/06/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak1	Fiberglass	21'	Johnson 150 HP	NA

Whaling today? No If not, why not? Took NAP2 instead

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	NAP3 was sent to NQT with "fresh kill" from the NAP3 whale taken the day before. This crew only sent a boat out scouting well after the other crews had left, and chose to take only 1 boat – NAP2 instead of NAP1. See NAP2 report.

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

Fog or clouds?		Weather notes:	Windy and choppy in morning, calming in afternoon; BP falling all day
Wind Direction:		Wind speed and other notes:	0-20 mph, calmest around 6PM – see WF
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:		Other notes on sea conditions:	
Other pertinent notes:	See weather station file		

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

Whale arrived just before midnight, butchering deferred until next day.

GPS track? NA GPS File Name:

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/07/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak1	Fiberglass	21'	Johnson 150 HP	NA

Whaling today? No If not, why not? Butcher, also quota filled

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):  
 Time spent actively scouting/# people looking:  
 Time spent in travel/tow/assistance to other boats/on "break":  
 Notes: Day spent in butchering.

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

Fog or clouds?	overcast	Weather notes:	Clear but very overcast, some drizzle, breeze increasing; BP falling all day
Wind Direction:		Wind speed and other notes:	5 to 17 mph
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:		Other notes on sea conditions:	
Other pertinent notes:	See weather station file		

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

Butchering of last whale

GPS track? NA GPS File Name:

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/08/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak1	Fiberglass	21'	Johnson 150 HP	NA

Whaling today? NO If not, why not? Preparing to return to Nuiqsut

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):  
 Time spent actively scouting/# people looking:  
 Time spent in travel/tow/assistance to other boats/on "break":  
 Notes: Mainly preparing for departure to Nuiqsut

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

Fog or clouds?	overcast	Weather notes:	Overcast with later breaks of sun, some rain and snow, windy; BP increasing all day (peaks at 3AM on 9/09)
Wind Direction:		Wind speed and other notes:	20+ mph, peak of 35 mph, low of 5 mph – see WF
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:		Other notes on sea conditions:	Very choppy
Other pertinent notes:	See weather station file		

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

Butcher whale and divide shares

GPS track? NA GPS File Name:

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/09/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak1	Fiberglass	21'	Johnson 150 HP	NA

Whaling today? No If not, why not? Final chores to prepare to leave Cross Island

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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): \_\_\_\_\_  
 Time spent actively scouting/# people looking: \_\_\_\_\_  
 Time spent in travel/tow/assistance to other boats/on "break": \_\_\_\_\_  
 Notes: Final chores to prepare to leave for Nuiqsut.

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

Fog or clouds?	clouds	Weather notes:	Windy and cool, very choppy with whitecaps, BP falling
Wind Direction:		Wind speed and other notes:	15-25 mph, falling when weather station taken down
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:		Other notes on sea conditions:	Very choppy, with whitecaps
Other pertinent notes:	Weather station dismantled		

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

Final "island chores"

GPS track? NA GPS File Name:

If not, why not?



ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/10/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak1	Fiberglass	21'	Johnson 150 HP	3/0

Whaling today? No If not, why not? Return to Nuiqsut

Time departed: 6:00 PM Time returned: 7:30 PM Prudhoe

Waypoints or Coordinates noted

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

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

<b>Direction of initial search (and explanation):</b>	
<b>Time spent actively scouting/# people looking:</b>	
<b>Time spent in travel/tow/assistance to other boats/on "break":</b>	
<b>Notes:</b>	NAP crew makes an attempt to leave for West Dock. It becomes evident that NAP4 cannot handle the conditions. It is thought that NAP1-3 could probably make it to West Dock, but all return to Cross Island. The demobilization barge is in sight by that time, so there is the option of sending the boats to West Dock on that barge. NAP crew cannot travel on that barge, however, as there are not enough float coats, so ACS send over two smaller barges to provide transportation. NAP crew helps load the big barge (moving totes and such) and barge is almost loaded by the time NAP crew leaves on ACS ferries/barges. Once in Prudhoe are met by a bus and taken to the Prudhoe Bay Hotel, where we spend the night before resuming the trip to Nuiqsut the next day. NAP1 does make it to Nuiqsut the next day.

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

<b>Fog or clouds?</b>		<b>Weather notes:</b>	Windy and overcast, with whitecaps – weather station has been dismantled, so no WF for this day
<b>Wind Direction:</b>		<b>Wind speed and other notes:</b>	20+ mph ?
<b>% Ice Coverage:</b>	0	<b>Ice Type:</b>	
<b>Wave Height:</b>	4+ ft	<b>Other notes on sea conditions:</b>	
<b>Other pertinent notes:</b>			

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

Trying to leave Cross Island

GPS track? NA GPS File Name:

If not, why not?



ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 08/24/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak2	Fiberglass	18'	Honda 130 HP	NA

Whaling today? No If not, why not? Weather conditions, also just arrived at Cross Island. Need to prepare cabin, obtain gas supply, etc. (logistical support for Cross Island not yet mobilized)

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	One or more boats went to West Dock for gas, and a chop came up which forced some of them to stay overnight at West Dock

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

Fog or clouds?		Weather notes:	
Wind Direction:		Wind speed and other notes:	Windy – too windy to scout
% Ice Coverage:		Ice Type:	
Wave Height:		Other Notes:	Okay for travel early, very choppy late in the day
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

Trip to West Dock BUT some forced to stay overnight due to choppy sea conditions

GPS track? NA GPS File Name:

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 08/25/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak2	Fiberglass	18'	Honda 130 HP	UNK

Whaling today? Yes  If not, why not?

Time departed: UNK Time returned: UNK

Waypoints or Coordinates noted

Lat/Long	Way Point #	Time	Notes (if whale - # of animals, direction of travel, behavior)
			None marked by crew

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

Direction of initial search (and explanation):	See NAP3 report
Time spent actively scouting/# people looking:	See NAP3 report
Time spent in travel/tow/assistance to other boats/on "break":	NA
Notes:	Saw a whale about 20 miles from Cross Island – See NAP3 report. Because the researcher did not arrive on Cross Island until 08/29/03, no tracks were GPS tracks were collected until then. Fortuitously, the GPS used by NAP3 still had tracks for 8/25 and 8/27. As all three NAP boats went out those days and stayed fairly close together (since there were no other boats at Cross Island at that time to help support them), the NAP3 track can serve as an approximation for NAP1 and NAP2 for those days as well. See NAP3 for likely trip statistics (total of about 63 miles, FDFCI about 22.6 miles).

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

Fog or clouds?		Weather notes:	"Dead calm and smooth" (report from whaling com. center)
Wind Direction:		Wind speed and other notes:	
% Ice Coverage:		Ice Type:	Other Notes:
Wave Height:		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? No  GPS File Name:   
 If not, why not?  Researcher not yet at Cross Island

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 08/26/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak2	Fiberglass	18'	Honda 130 HP	NA

Whaling today? No If not, why not? Weather

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	

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

Fog or clouds?		Weather notes:	Research not yet on Cross Island, no reports
Wind Direction:		Wind speed and other notes:	
% Ice Coverage:		Ice Type:	Other Notes:
Wave Height:		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?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 08/27/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak2	Fiberglass	18'	Honda 130 HP	UNK

Whaling today? Yes If not, why not?

Time departed: 3:21 PM Time returned: 6:06 PM

2 hours 45 minutes

Waypoints or Coordinates noted

Lat/Long	Way Point #	Time	Notes (if whale - # of animals, direction of travel, behavior)
			None marked by crew

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

Direction of initial search (and explanation):	Looked north at first – historically where whales are seen
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	No detailed crew explanation and no track obtained for this boat for this day. See NAP1 and NAP3 reports (boats were together for the most part). Mobilization barge was supposed to set up Cross Island infrastructure today, but weather prevented it doing so – another case where West Dock to Cross Island conditions were worse than those north of Cross Island. No track for this boat, but trip statistics likely to be very similar to those for NAP1.

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

Fog or clouds?		Weather notes:	No report
Wind Direction:		Wind speed and other notes:	
% Ice Coverage:		Ice Type:	Other Notes:
Wave Height:		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? No GPS File Name:

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 08/28/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak2	Fiberglass	18'	Honda 130 HP	NA

Whaling today? No If not, why not? Weather, logistical mobilization

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	Errands and chores on Cross Island. Probable day that mobilization barge took logistical support material to Cross Island, so NAP crew would also have had tasks to perform in connection with this

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

Fog or clouds?		Weather notes:	Windy and choppy
Wind Direction:		Wind speed and other notes:	
% Ice Coverage:		Ice Type:	Other Notes:
Wave Height:		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

Cross Island chores and errands

GPS track? NA GPS File Name:

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 08/29/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak2	Fiberglass	18'	Honda 130 HP	NA

Whaling today? No If not, why not? Weather – boats able to travel from Nuiqsut to Cross Island, but too windy and choppy to scout for whales

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	

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

Fog or clouds?	No	Weather notes:	Fog around Oliktook Point, very windy at Cross Island
Wind Direction:		Wind speed and other notes:	15 to 20 knots
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	3-5 feet	Other notes on sea conditions:	Choppy and rough, esp. near Oliktook
Other pertinent notes:	Weather station not installed as yet		

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?



ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 08/30/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak2	Fiberglass	18'	Honda 130 HP	NA

Whaling today? No If not, why not? Weather  
 Very windy and choppy

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):  
 Time spent actively scouting/# people looking:  
 Time spent in travel/tow/assistance to other boats/on "break":  
 Notes: Most crews used this day to work on floats and other equipment (including bombs). Time also spent on cleaning up cabins and other domestic chores.

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

Fog or clouds?	HCC	Weather notes:	Bright with some high cloud cover (HCC), BP 29.73 early afternoon and falling (low approx. 12PM) , temp. 37F
Wind Direction:	NE,ENE	Wind speed and other notes:	14-21+ mph, low about midnight, see weather file
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	3ft+	Other notes on sea conditions:	Very choppy
Other pertinent notes:	Weather station installed about 3:30 PM. Took several tries to find a good location for the data logger (to receive signals from all sensors). Rainfall gauge not installed.		

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 subsistence activities other than working on whaling equipment.

GPS track? NA GPS File Name:

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 08/31/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak2	Fiberglass	18'	Honda 130 HP	NA

Whaling today? No If not, why not? Weather – foggy with some chop. Boats able to travel from Nuiqsut to Cross Island, but too windy and choppy to scout for whales.

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	Day spent on domestic chores and helping with Napageak cabin project. Weather calmed in the afternoon and evening but BO crew prepared their boats and then helped NAPs with their cabin project. IAN crew also preparing.

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

Fog or clouds?	Fog	Weather notes:	Temp. 35F, BP 29.79 and rising (peaks 3AM 9/01)
Wind Direction:	WNW	Wind speed and other notes:	0-18 mph, peaks 3PM – see WF
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	2-4 ft	Other notes on sea conditions:	Better than yesterday, perhaps could scout later in day (can travel and NUK boats arrive from NQT)
Other pertinent notes:	See weather station file		

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

Domestic activities, working on cabins, etc.

GPS track? NA GPS File Name:

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/01/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak2	Fiberglass	18'	Honda 130 HP	3

Whaling today? Yes If not, why not?

Time departed: 10:51 AM Time returned: 3:42 AM

4 hours 51 minutes

Waypoints or Coordinates noted

Lat/Long	Way Point #	Time	Notes (if whale - # of animals, direction of travel, behavior)
			None marked by crew – see NAP1 report

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

Direction of initial search (and explanation):	Headed east and north – with IAN boat		
Time spent actively scouting/# people looking:			
Time spent in travel/tow/assistance to other boats/on "break":	12:55-1:48 (kill), 1:48-3:31 (tow)		
Notes:	NAP2, BO boats went north. first and then east (NAP1 and IAN went east first and then north – separate from other boats). NAP1 met NAP2 at NE-most part of track. May have been whale-sign in the area, as both were at low speed and circling – or may have simply been on break. Minimal explanation of these tracks obtained. Went to support IAN once they made a strike. Not clear if they had seen whales, but likely were helping NAP2 follow a whale (waypoints c-d, maybe even e-f) and may then have been called by IAN or the whale may have changed direction – had a sudden change of direction near waypoint d (as did NAP2). See NAP1 and IAN reports. TOT 4:51, total of at least 29 miles, FDFCI 6.3 miles.		

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

Fog or clouds?	A little	Weather notes:	Drizzly, with a little fog, BP 29.94 early, but falls all day
Wind Direction:	NNW	Wind speed and other notes:	0-20 mph, lowest 9AM, highest after 3PM – see WF
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	3-4ft	Other notes on sea conditions:	Conditions still somewhat marginal for scouting – choppy, maybe not predicted 3-4 foot seas
Other pertinent notes:	See weather station file		

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

Polar bear with cub observed on the far part of Cross Island after 7AM. By the end of the day at least 3 or 4 other polar bears were observed on the island, including a fight/spate between what the whalers believed was a male bear and the bear with the cub. During butchering or division of the whale shares polar bears were approaching the butcher site and had to be scared away by gunfire (no attempt to actually shoot them).

GPS track? Yes GPS File Name: NAP2\_090103.mps

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/02/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak2	Fiberglass	18'	Honda 130 HP	2

Whaling today?  Yes **If not, why not?**  Marginal conditions in morning, calms later

Time departed: 10:03AM Time returned: 11:12 AM

1 hour 9 minutes

Waypoints or Coordinates noted

Lat/Long	Way Point #	Time	Notes (if whale - # of animals, direction of travel, behavior)
			None marked by crew

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

<b>Direction of initial search (and explanation):</b>	
<b>Time spent actively scouting/# people looking:</b>	
<b>Time spent in travel/tow/assistance to other boats/on "break":</b>	
<b>Notes:</b>	First scouting trip of the day was soon aborted. Steering cable on this boat needed to be replaced and so it did not go out scouting later in the day when other boats went out. Partial track. NAP3 track may be close.

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

<b>Fog or clouds?</b>	cloudy	<b>Weather notes:</b>	Windy, cloudy, overcast, some fog – conditions improved later. BP falls until 3AM on 9/03
<b>Wind Direction:</b>	See WF	<b>Wind speed and other notes:</b>	Windy in morning (20 mph @ 3AM), calmed in afternoon (0 mph evening), then increased
<b>% Ice Coverage:</b>	0	<b>Ice Type:</b>	
<b>Wave Height:</b>	6-7 feet	<b>Other notes on sea conditions:</b>	Very choppy in morning, calmed in afternoon
<b>Other pertinent notes:</b>	See weather station file		

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**

At least 6 polar bear now on Cross Island – mother w/1 cub, mother w/2 cubs, 4 or 5 others (at least 1 presumed to be male)

GPS track?  Yes **GPS File Name:** NAP2\_090203.msp

**If not, why not?**  Partial track

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/03/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak2	Fiberglass	18'	Honda 130 HP	NA

Whaling today? No If not, why not? Weather – windy and chilly (but calm early)

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	Wind continues all day and seas too high (reported to be worst near Cross Island). People work on cabins or do other chores. Boats taken up out of water due to probable high winds and waves. ASC barge comes to Cross Island with John Whitehead (VP ConocoPhillips) to stay with IAN crew. NAP3 does a little duck hunting and makes a trip to West Dock for packages, but deemed too rough for scouting – see NAP3 NUK boats do try to go out scouting briefly in the morning.

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

Fog or clouds?	overcast	Weather notes:	Windy and chilly all day, some breaks of sun, BP rising all day
Wind Direction:	See WF	Wind speed and other notes:	Windy – varies through day, see WF (low to 25 mph) – increases mostly through the day
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	5+ feet	Other notes on sea conditions:	Choppy – can travel BUT not pleasant
Other pertinent notes:	See weather station file		

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

Engaged in Cross Island chores. NAP3 did a little duck hunting (none harvested)

GPS track? NA GPS File Name:

If not, why not?



ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/05/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak2	Fiberglass	18'	Honda 130 HP	3

Whaling today? Yes If not, why not? \_\_\_\_\_  
 Time departed: 6:13 AM Time returned: 3:09 PM

8 hours 56 minutes

Waypoints or Coordinates noted

Lat/Long	Way Point #	Time	Notes (if whale - # of animals, direction of travel, behavior)
N70 30 28.8 W147 47 40.5	NAP2_090503a		These are essentially the same point and are just off the NAP2 track. (760 feet). Not known if they are reference points. Close to point "c".
N70 30 28.3 W147 47 39.5	NAP2_090503b		
N70 30 37.7 W147 47 25.1	nap2_090503c	6:26 AM	NAP2 position at time IAN crew reported that NAP2 reported spotting a whale (no direct confirmation of this from the NAP2 crew). Possible sighting of whale, could be the same as whale for waypoint "d"
N70 30 54.0 W147 42 47.3	NAP2_090503d	6:38 AM	Labeled "Whale" so almost certainly a whale sighting, probable following
N70 29 18.6 W147 34 04.6	NAP2_090503e	7:13 AM	NAP2 position at some time as IAN at IAN_090503c (sighting or strike of whale - see IAN report). Turned around and helped to follow IAN whale - may have been trying to spot it at first before NAP2 and IAN boats came together. This point was marked by the crew, but with no clear explanation.
N70 29 36.6 W147 32 27.0	nap2_090503f	7:32 AM	NAP2 position at same time as IAN_090503d (IAN strike?)
N70 29 37.7 W147 32 22.4	nap2_090503g	7:38 AM	Probable position when NAP2 struck whale with 2 <sup>nd</sup> darting gun bomb
N70 34 03.5 W147 23 22.5	NAP2_090503h	10:02 AM	Essentially the same point, marking NAP3 whale (near kill location)
N70 34 03.4 W147 23 18.9	NAP2_090503i	10:02 AM	

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

Direction of initial search (and explanation):	NE
Time spent actively scouting/# people looking:	Complex, but pretty much 6:13 - 7:32 AM, 7:38 - 8:06AM
Time spent in travel/tow/assistance to other boats/on "break":	8:06-9:58 chase and kill; 9:58-3:09 tow
Notes:	Headed NE in general company of other boats (separated by 1-2 miles). Reported by other boats to have seen a whale, probably no sooner than point "c" and no later than point "d". NAP2 then proceeded more slowly SE, possibly following or searching for this whale. Most other boats were also in the area. NAP2 was very close to IAN when they struck the whale. All other boats left at this point to scout for whales further north (and assisted in chase and kill of NAP3 whale). NAP2 stayed with IAN boat and put 2 <sup>nd</sup> darting gun bomb into the whale (probably point "g"). Once the IAN whale was dead and NUK boats arrived from further south (7:46 AM) NAP2 boat resumed scouting to the north towards the other boats. Slowed from 7:50-8:02, but at 8:02 clearly at high speed to join with NAP3 (from GPS track). All boats involved in this chase stayed very close to each other, so although few points were marked by this crew (other than the final kill location), other boats accounts also are applicable for this boat. See NAP3 and BO boat reports. TOT 8:58, total of 44 miles, FDFCI 15 miles.

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

Fog or clouds?	clouds	Weather notes:	Trying to snow, temperature in the 30s; BP peaks at 3PM @ 29.8 and then falls
Wind Direction:	SW	Wind speed and other notes:	Varies - 0 to 18 mph - see WF
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:		Other notes on sea conditions:	
Other pertinent notes:	See weather station file		

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

Helped butcher

GPS track? Yes GPS File Name: NAP2\_090503.mps

If not, why not? \_\_\_\_\_

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/06/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak2	Fiberglass	18'	Honda 130 HP	3

Whaling today?  Yes  No If not, why not?

Time departed: 7:31 PM Time returned: 11:49 PM

4 hours 18 minutes

Waypoints or Coordinates noted

Lat/Long	Way Point #	Time	Notes (if whale - # of animals, direction of travel, behavior)
N70 33 19.0 W147 45 24.3	NAP2_090603a	7:45PM	Unknown significance – reported to simply have dropped the GPS (and unit was then off for about a minute)
N70 35 54.0 W147 42 47.3	nap2_090603b	7:55PM	Reported that this was the approximate location when they first saw the whale – they did not mark the point, however
N70 35 43.7 W147 39 25.7	nap2_090603c	8:18PM	Time reported for strike – position taken from GPS track
N70 35 39.7 W147 39 09.6	nap2_090603d	8:37PM	Time of radio announcement of successful kill – position taken from GPS track

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

<b>Direction of initial search (and explanation):</b>	NE – towards previous whale sightings
<b>Time spent actively scouting/# people looking:</b>	7:31-8:18 PM
<b>Time spent in travel/tow/assistance to other boats/on "break":</b>	8:18-11:49 PM tow (or preparing for tow)
<b>Notes:</b>	NAP3 was sent to NQT with "fresh kill" from the NAP3 whale taken the day before. This crew only sent a boat out scouting well after the other crews had left, and chose to take only 1 boat – NAP2 instead of NAP1. Headed NE, towards previous whale sightings. NAP2 traveled at fairly high scouting speed (20 mph) until point "b", after which speeds on the GPS track were more indicative of more intensive scouting/following activities. It is likely that the turn towards the north on the GPS track was due to sighting a blow, but there was no report of this. After seeing whale, strike and kill followed shortly. Other boats assisted in the tow, but apparently not the kill. TOT 4:18, total of 27 miles, FDFCI 10.1 miles, whale struck about 10.1 MFCI. Length 39'1", tail flukes 13'7.5", slit 3'2" with sides of "V" each 13.5" and "gap" of 4". Male.

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

<b>Fog or clouds?</b>		<b>Weather notes:</b>	Windy and choppy in morning, calming in afternoon; BP falling all day
<b>Wind Direction:</b>		<b>Wind speed and other notes:</b>	0-20 mph, calmest around 6PM – see WF
<b>% Ice Coverage:</b>	0	<b>Ice Type:</b>	
<b>Wave Height:</b>		<b>Other Notes:</b>	
<b>Other pertinent notes:</b>	See weather station file		

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

Engaged in any other subsistence activities?  No  Yes, describe below

Whale arrived just before midnight, butchering deferred until next day.

GPS track?  Yes GPS File Name: NAP2\_090603.mps

If not, why not?



ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/07/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak2	Fiberglass	18'	Honda 130 HP	NA

Whaling today? No If not, why not? Butcher, also quota filled

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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): \_\_\_\_\_  
 Time spent actively scouting/# people looking: \_\_\_\_\_  
 Time spent in travel/tow/assistance to other boats/on "break": \_\_\_\_\_  
 Notes: Day spent in butchering.

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

Fog or clouds?	overcast	Weather notes:	Clear but very overcast, some drizzle, breeze increasing; BP falling all day
Wind Direction:		Wind speed and other notes:	5 to 17 mph
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:		Other notes on sea conditions:	
Other pertinent notes:	See weather station file		

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

Butchering of last whale

GPS track? NA GPS File Name:

If not, why not? \_\_\_\_\_

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/08/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak2	Fiberglass	18'	Honda 130 HP	NA

Whaling today? No If not, why not? Preparing to return to Nuiqsut

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):  
 Time spent actively scouting/# people looking:  
 Time spent in travel/tow/assistance to other boats/on "break":  
 Notes: Mainly preparing for departure to Nuiqsut

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

Fog or clouds?	overcast	Weather notes:	Overcast with later breaks of sun, some rain and snow, windy; BP increasing all day (peaks at 3AM on 9/09)
Wind Direction:		Wind speed and other notes:	20+ mph, peak of 35 mph, low of 5 mph – see WF
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:		Other notes on sea conditions:	Very choppy
Other pertinent notes:	See weather station file		

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

Butcher whale and divide shares

GPS track? NA GPS File Name:

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/09/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak2	Fiberglass	18'	Honda 130 HP	NA

Whaling today? No If not, why not? Final chores to prepare to leave Cross Island

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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): \_\_\_\_\_  
 Time spent actively scouting/# people looking: \_\_\_\_\_  
 Time spent in travel/tow/assistance to other boats/on "break": \_\_\_\_\_  
 Notes: Final chores to prepare to leave for Nuiqsut.

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

Fog or clouds?	clouds	Weather notes:	Windy and cool, very choppy with whitecaps, BP falling
Wind Direction:		Wind speed and other notes:	15-25 mph, falling when weather station taken down
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:		Other notes on sea conditions:	Very choppy, with whitecaps
Other pertinent notes:	Weather station dismantled		

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

Final "island chores"

GPS track? NA GPS File Name:

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/10/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak2	Fiberglass	18'	Honda 130 HP	2/0

Whaling today? No If not, why not? Return to Nuiqsut

Time departed: 6:00 PM Time returned: 7:30 PM Prudhoe

Waypoints or Coordinates noted

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

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

<b>Direction of initial search (and explanation):</b>	
<b>Time spent actively scouting/# people looking:</b>	
<b>Time spent in travel/tow/assistance to other boats/on "break":</b>	
<b>Notes:</b>	NAP crew makes an attempt to leave for West Dock. It becomes evident that NAP4 cannot handle the conditions. It is thought that NAP1-3 could probably make it to West Dock, but all return to Cross Island. The demobilization barge is in sight by that time, so there is the option of sending the boats to West Dock on that barge. NAP crew cannot travel on that barge, however, as there are not enough float coats, so ACS send over two smaller barges to provide transportation. NAP crew helps load the big barge (moving totes and such) and barge is almost loaded by the time NAP crew leaves on ACS ferries/barges. Once in Prudhoe are met by a bus and taken to the Prudhoe Bay Hotel, where we spend the night before resuming the trip to Nuiqsut the next day. NAP2 does make it to Nuqisut the next day.

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

<b>Fog or clouds?</b>		<b>Weather notes:</b>	Windy and overcast, with whitecaps – weather station has been dismantled, so no WF for this day
<b>Wind Direction:</b>		<b>Wind speed and other notes:</b>	20+ mph ?
<b>% Ice Coverage:</b>	0	<b>Ice Type:</b>	
<b>Wave Height:</b>	4+ ft	<b>Other notes on sea conditions:</b>	
<b>Other pertinent notes:</b>			

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  
 Trying to leave Cross Island

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



ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 08/24/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak3	Aluminum	24'	Yamaha 115 HP	NA

Whaling today? No If not, why not? Weather conditions, also just arrived at Cross Island. Need to prepare cabin, obtain gas supply, etc. (logistical support for Cross Island not yet mobilized)

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	One or more boats went to West Dock for gas, and a chop came up which forced some of them to stay overnight at West Dock

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

Fog or clouds?		Weather notes:	
Wind Direction:		Wind speed and other notes:	Windy – too windy to scout
% Ice Coverage:		Ice Type:	
Wave Height:		Other Notes:	Okay for travel early, very choppy late in the day
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

Trip to West Dock BUT some forced to stay overnight due to choppy sea conditions

GPS track? NA GPS File Name:

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 08/25/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak3	Aluminum	24'	Yamaha 115 HP	UNK

Whaling today? Yes If not, why not?

Time departed: UNK Time returned: UNK

Waypoints or Coordinates noted

Lat/Long	Way Point #	Time	Notes (if whale - # of animals, direction of travel, behavior)
N70 46 40.2 W148 03 45.9	nap3_082503a	NA	Reported whale sighting – no time available
N70 36 59.9 W147 50 35.9	nap3_082503b	6:00 PM	Resumed high speed (20-30 mph) to return to Cross Island
			No waypoints marked by crew

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

Direction of initial search (and explanation):	North
Time spent actively scouting/# people looking:	UNK-6:00 PM
Time spent in travel/tow/assistance to other boats/on "break":	6:00-6:54 PM in travel back to Cross Island
Notes:	Because the researcher did not arrive on Cross Island until 08/29/03, no tracks were collected until then. Fortunately, the GPS used by NAP3 still had tracks for 8/25 and 8/27. As all three NAP boats went out those days and stayed fairly close together (since there were no other boats at Cross Island at that time to help support them), the NAP3 track can serve as an approximation for NAP1 and NAP2 for those days as well. No detailed report. Headed north, then west and north again. May have seen a blow to draw them east and spotted a whale about 20 miles north of Cross Island (not marked by crew, waypoint "a" is a likely location based on distance and track configuration). Then scouted north and looped back south to about waypoint "b". From this point, resumed high speed to return to Cross Island. They report maybe seeing 3 whales at the furthest north part of the track but decided to turn back as they were too far away from Cross Island with too little support (only their own boats). TOT unknown, total of at least 63 miles, FDFCI 22.6 miles.

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

Fog or clouds?		Weather notes:	"Dead calm and smooth" (report from whaling com. center)	
Wind Direction:		Wind speed and other notes:		
% Ice Coverage:		Ice Type:		Other Notes:
Wave Height:		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? Yes GPS File Name: NAP3\_082503.mps  
 If not, why not? Researcher not yet at Cross Island – partial track





ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 08/27/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak3	Aluminum	24'	Yamaha 115 HP	UNK

Whaling today? Yes  If not, why not?

Time departed: 11:58AM/3:20 PM Time returned: 3:20/5:50 PM

1<sup>st</sup> trip 3 hours 22 minutes, 2<sup>nd</sup> trip 2 hours 30 minutes

Waypoints or Coordinates noted

Lat/Long	Way Point #	Time	Notes (if whale - # of animals, direction of travel, behavior)
N70 33 11.4 W148 05 30.7	nap3_082703a	1:44 PM	Up to this point, NAP3 had been at slow scouting speed (below 5 mph). From this point until return to Cross Island, NAP3 was at fast scouting speed (5-10 mph).
N70 32 27.8 W148 00 10.7	nap3_082703b	5:36 PM	Most of this trip spent at 5-10 mph (with brief spurts of higher speed), but from this point at higher speeds – probably returning to Cross Island

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

Direction of initial search (and explanation):	NNW first trip, NNE second trip
Time spent actively scouting/# people looking:	Likely looking entire trips, different speeds at times
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	No detailed crew explanation and no track obtained for this boat for this day. See NAP1 report as well (boats were together for the most part). At least one whale seen, about 5 miles from Cross Island, but no better locational information is available for this animal. This boat made two trips, one from about 11:58 AM-3:20PM and another 3:20-5:50PM. It may have come in to "pick up" the other NAP boats or all boats may have made both trips – not reported in detail. First trip TOT 3:22, total of about 20 miles, FDFCI 6.9 miles; second trip TOT 2:30, total of about 18 miles, FDFCI 6.8 miles. Mobilization barge was supposed to set up Cross Island infrastructure today, but weather prevented it doing so – another case where West Dock to Cross Island conditions were worse than those north of Cross Island

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

Fog or clouds?		Weather notes:	No report
Wind Direction:		Wind speed and other notes:	
% Ice Coverage:		Ice Type:	Other Notes:
Wave Height:		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? Yes  GPS File Name: NAP3\_082703.mps partial file

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 08/28/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak3	Aluminum	24'	Yamaha 115 HP	NA

Whaling today? No If not, why not? Weather, logistical mobilization

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	Errands and chores on Cross Island. Probable day that mobilization barge took logistical support material to Cross Island, so NAP crew would also have had tasks to perform in connection with this

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

Fog or clouds?		Weather notes:	Windy and choppy
Wind Direction:		Wind speed and other notes:	
% Ice Coverage:		Ice Type:	
Wave Height:		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

Cross Island chores and errands

GPS track? NA GPS File Name:

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 08/29/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak3	Aluminum	24'	Yamaha 115 HP	NA

Whaling today? No If not, why not? Weather – boats able to travel from Nuiqsut to Cross Island, but too windy and choppy to scout for whales

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	

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

Fog or clouds?	No	Weather notes:	Fog around Oliktook Point, very windy at Cross Island
Wind Direction:		Wind speed and other notes:	15 to 20 knots
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	3-5 feet	Other notes on sea conditions:	Choppy and rough, esp. near Oliktook
Other pertinent notes:	Weather station not installed as yet		

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?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 08/30/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak3	Aluminum	24'	Yamaha 115 HP	NA

Whaling today? No If not, why not? Weather  
 Very windy and choppy

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):  
 Time spent actively scouting/# people looking:  
 Time spent in travel/tow/assistance to other boats/on "break":  
 Notes: Most crews used this day to work on floats and other equipment (including bombs). Time also spent on cleaning up cabins and other domestic chores.

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

Fog or clouds?	HCC	Weather notes:	Bright with some high cloud cover (HCC), BP 29.73 early afternoon and falling (low approx. 12PM) , temp. 37F
Wind Direction:	NE,ENE	Wind speed and other notes:	14-21+ mph, low about midnight, see weather file
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	3ft+	Other notes on sea conditions:	Very choppy
Other pertinent notes:	Weather station installed about 3:30 PM. Took several tries to find a good location for the data logger (to receive signals from all sensors). Rainfall gauge not installed.		

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 subsistence activities other than working on whaling equipment.

GPS track? NA GPS File Name:

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 08/31/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak3	Aluminum	24'	Yamaha 115 HP	NA

Whaling today? No If not, why not? Weather – foggy with some chop. Boats able to travel from Nuiqsut to Cross Island, but too windy and choppy to scout for whales.

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	Day spent on domestic chores and helping with Napageak cabin project. Weather calmed in the afternoon and evening but BO crew prepared their boats and then helped NAPs with their cabin project. IAN crew also preparing.

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

Fog or clouds?	Fog	Weather notes:	Temp. 35F, BP 29.79 and rising (peaks 3AM 9/01)
Wind Direction:	WNW	Wind speed and other notes:	0-18 mph, peaks 3PM – see WF
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	2-4 ft	Other notes on sea conditions:	Better than yesterday, perhaps could scout later in day (can travel and NUK boats arrive from NQT)
Other pertinent notes:	See weather station file		

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

Domestic activities, working on cabins, etc.

GPS track? NA GPS File Name:

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/01/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak3	Aluminum	24'	Yamaha 115 HP	3

Whaling today? No If not, why not? Weather marginal for this boat – trip to West Dock in the Evening (6PM to 8PM time frame)

Time departed: NA Time returned: NA

Only a trip to West Dock

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	Normal crew of this boat went out on other NAP boats

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

Fog or clouds?	A little	Weather notes:	Drizzly, with a little fog, BP 29.94 early, but falls all day
Wind Direction:	NNW	Wind speed and other notes:	0-20 mph, lowest 9AM, highest after 3PM – see WF
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	3-4ft	Other notes on sea conditions:	Conditions still somewhat marginal for scouting – choppy, maybe not predicted 3-4 foot seas
Other pertinent notes:	See weather station file		

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

Polar bear with cub observed on the far part of Cross Island after 7AM. By the end of the day at least 3 or 4 other polar bears were observed on the island, including a fight/spate between what the whalers believed was a male bear and the bear with the cub. During butchering or division of the whale shares polar bears were approaching the butcher site and had to be scared away by gunfire (no attempt to actually shoot them). This vessel did make an evening trip to West Dock.

GPS track? Yes GPS File Name: NAP3\_090103.mps partial track of trip to West Dock

If not, why not?

## ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/02/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak3	Aluminum	24'	Yamaha 115 HP	3/2

Whaling today?	Yes	If not, why not?	Marginal conditions in morning, calms later
----------------	-----	------------------	---

Time departed: 9:50AM/6:22PM Time returned: 10:26AM/11:12 PM1<sup>st</sup> trip 36 minutes, 2<sup>nd</sup> trip 4 hours 50 minutes

## Waypoints or Coordinates noted

Lat/Long	Way Point #	Time	Notes (if whale - # of animals, direction of travel, behavior)
N70 29 27.3 W147 59 02.1	NAP3_090203a	NA	Evidently marked on Cross Island for some reason
N70 31 30.3 W147 46 53.6	NAP3_090203b	NA	Reference point? – not on track
N70 30 59.7 W147 42 50.0	nap3_090203c	7:14PM	Whale sighting (reported, not marked by crew)
N70 31 51.3 W147 35 45.4	nap3_090203d	7:35PM	NAP3 position when called by another boat that had seen a whale (NAP3 never saw this whale)
N70 33 45.8 W147 29 29.8	nap3_090203e	8:53PM	Position when they decided to return to Cross Island

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

Direction of initial search (and explanation):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	First scouting trip of the day was soon aborted due to marginal weather conditions. Crew report of second trip – started NE, saw a whale at point "c", when they came out of the fog. GPS was turned off at this point (no clear explanation). Turned on again when it was noticed that it was off. Point "d" is when NAP3 was called by another boat (they may have seen a whale, but NAP3 never saw it). NAP3 went north, east, and then north again (and continued north after the second track, again with the GPS turned off for an unspecified cause). Another boat saw a whale somewhere north of the NAP3 track in this area, but NAP3 never saw it. NAP3 then turned south a ways, turned north again, and finally turned for Cross Island when the winds seemed to pick up. First trip TOT 0:36, total of 10.2 miles, FDFCI 2.1 miles; Second trip TOT 4:50, total of about 35 miles, FDFCI 12.5 miles.

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

Fog or clouds?	cloudy	Weather notes:	Windy, cloudy, overcast, some fog – conditions improved later. BP falls until 3AM on 9/03
Wind Direction:	See WF	Wind speed and other notes:	Windy in morning (20 mph @ 3AM), calmed in afternoon (0 mph evening), then increased
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	6-7 feet	Other notes on sea conditions:	Very choppy in morning, calmed in afternoon
Other pertinent notes:	See weather station file		

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

At least 6 polar bear now on Cross Island – mother w/1 cub, mother w/2 cubs, 4 or 5 others (at least 1 presumed to be male)
---

GPS track? Yes GPS File Name: NAP2\_090203.mspIf not, why not? Partial track

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/03/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak3	Aluminum	24'	Yamaha 115 HP	NA

Whaling today? No If not, why not? Weather – windy and chilly (but calm early)

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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): \_\_\_\_\_  
 Time spent actively scouting/# people looking: \_\_\_\_\_  
 Time spent in travel/tow/assistance to other boats/on "break": \_\_\_\_\_  
 Notes: Wind continues all day and seas too high (reported to be worst near Cross Island). People work on cabins or do other chores. Boats taken up out of water due to probable high winds and waves. ASC barge comes to Cross Island with John Whitehead (VP ConocoPhillips) to stay with IAN crew. NAP3 does a little duck hunting and makes a trip to West Dock for packages, but deemed too rough for scouting – see NAP3 NUK boats do try to go out scouting briefly in the morning.

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

Fog or clouds?	overcast	Weather notes:	Windy and chilly all day, some breaks of sun, BP rising all day
Wind Direction:	See WF	Wind speed and other notes:	Windy – varies through day, see WF (low to 25 mph) – increases mostly through the day
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	5+ feet	Other notes on sea conditions:	Choppy – can travel BUT not pleasant
Other pertinent notes:	See weather station file		

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

Engaged in Cross Island chores. NAP3 did a little duck hunting (none harvested)

GPS track? NA GPS File Name:

If not, why not? \_\_\_\_\_



ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/04/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak3	Aluminum	24'	Yamaha 115 HP	NA

Whaling today? No If not, why not? Very windy, cloudy and overcast, some rain

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	Work on gear for whaling, do work on cabins, do other domestic chores. NUK2 makes a trip to West Dock for some packages BUT too rough for scouting – reported to be VERY rough and their boat was watched for as long as it was visible

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

Fog or clouds?	overcast	Weather notes:	Very windy, cloudy and overcast, some rain; BP rising all day
Wind Direction:	See WF	Wind speed and other notes:	30+ mph, varies through day, see WF (6 to 33 mph)
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	high	Other notes on sea conditions:	Extreme white caps, no boats out to look
Other pertinent notes:	See weather station file		

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

As on previous days, confined to on-island activities (and 1 boat trip to West Dock)

GPS track? NA GPS File Name:

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/05/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak3	Aluminum	24'	Yamaha 115 HP	3

Whaling today? Yes If not, why not? \_\_\_\_\_

Time departed: 6:14AM Time returned: 3:08 PM

8 hours 54 minutes

Waypoints or Coordinates noted

Lat/Long	Way Point #	Time	Notes (if whale - # of animals, direction of travel, behavior)
N70 30 33.0 W147 50 09.6	NAP3_090503a	NA	Marked by crew, significance not known
N70 31 46.0 W147 26 50.9	nap3_090503b	8:06 AM	Likely location of initial NAP3 strike (harpoon & float/no bomb)
N70 31 46.3 W147 25 11.0	BO2_090503h	8:24 AM	Chasing NAP3 whale – many bombs put into this whale. May be the area of the initial strike (harpoon/no bomb)
N70 34 00.1 W147 23 36.7	bo2_090503i	9:55 AM	Chasing NAP3 whale, near the end – one of the last shots

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

Direction of initial search (and explanation):	NE
Time spent actively scouting/# people looking:	Complex, but pretty much 6:14 - 7:32 AM, 7:38 - 8:06AM
Time spent in travel/tow/assistance to other boats/on "break":	8:06-9:58 chase and kill; 9:58-3:09 tow
Notes:	First part of track missing (overwritten in memory). NAP2 track is probably a good approximation, as the two boats were fairly close together (NAP1 was on its own). Headed NE in general company of other boats (separated by 1-2 miles). See NAP2 report. Most boats (except NAP1) were very close to IAN when they struck the whale. All boats except NAP2 left at this point to scout for whales further north. (and assisted in chase and kill of NAP3 whale). See NAP2 and BO boat reports. NAP3 gave no detailed report and did not mark any waypoints. NAP3 struck the whale with only a lance and float (darting gun with no bomb). The chase was fairly long and many bombs were put into this whale. No bomb-by-bomb account has been recovered to this point. TOT 8:54, total of at least 46 miles, FDFCI 15 miles. Whale struck about 12.2 MGCI, killed about 14.3 MFCI. Length 41'9", tail flukes 14'0", slit of 4'2" with "V" sides of 18" and a "gap" of 6".

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

Fog or clouds?	clouds	Weather notes:	Trying to snow, temperature in the 30s; BP peaks at 3PM @ 29.8 and then falls
Wind Direction:	SW	Wind speed and other notes:	Varies – 0 to 18 mph – see WF
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:		Other notes on sea conditions:	
Other pertinent notes:	See weather station file		

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

Helped butcher

GPS track? Yes GPS File Name: NAP3\_090503.mps

If not, why not? \_\_\_\_\_

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/06/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak3	Aluminum	24'	Yamaha 115 HP	3

Whaling today? No If not, why not? To Nuiqsut with "fresh kill" from NAP3 whale

Time departed: 9:01 AM Time returned: To West Dock and Nuiqsut

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):  
 Time spent actively scouting/# people looking:  
 Time spent in travel/tow/assistance to other boats/on "break":  
 Notes: NAP3 to West Dock and the Nuiqsut with "fresh kill" to feed the village.

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

Fog or clouds?		Weather notes:	Windy and choppy in morning, calming in afternoon; BP falling all day
Wind Direction:		Wind speed and other notes:	0-20 mph, calmest around 6PM – see WF
% Ice Coverage:	0	Ice Type:	
Wave Height:		Other Notes:	
Other pertinent notes:	See weather station file		

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

Whale arrived just before midnight, butchering deferred until next day.

GPS track? No GPS File Name:

If not, why not? Trip to Nuiqsut

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/07/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak3	Aluminum	24'	Yamaha 115 HP	2

Whaling today? No If not, why not? Back from Nuiqsut, then left for Nuiqsut again with "fresh kill: from NAP2 whale"

Time departed: 6:59 PM Time returned: 4:33 PM

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	NAP3 returned from Nuisut about 4:33 PM, but prepared for an immediate return to Nuiqsut with the "fresh kill" from the NAP2 whale. They arrive there about 5AM 9/08. They left about 6:59 PM. Butchering of the NAP2 whale had proceeded to the point where it was ready to be divided into crew shares.

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

Fog or clouds?	overcast	Weather notes:	Clear but very overcast, some drizzle, breeze increasing; BP falling all day
Wind Direction:		Wind speed and other notes:	5 to 17 mph
% Ice Coverage:	0	Ice Type:	
Wave Height:		Other Notes:	
Other pertinent notes:	See weather station file		

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

Butchering of last whale

GPS track? No GPS File Name:

If not, why not? Trip back from Nuiqsut, then to Nuiqsut again



ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/09/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak3	Aluminum	24'	Yamaha 115 HP	2

Whaling today? No If not, why not? Return to Cross Island from Nuiqsut, help prepare to Leave Cross Island for the season

Time departed: \_\_\_\_\_ Time returned: 5:35 PM

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	NAP3 arrived back to Cross Island at about 5:35 PM. They then help with the final chores to prepare to leave for Nuiqsut.

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

Fog or clouds?	clouds	Weather notes:	Windy and cool, very choppy with whitecaps, BP falling
Wind Direction:		Wind speed and other notes:	15-25 mph, falling when weather station taken down
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:		Other notes on sea conditions:	Very choppy, with whitecaps
Other pertinent notes:	Weather station dismantled		

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

Final "island chores"

GPS track? NA GPS File Name:

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/10/03 Crew: Napageak GPS Type: Garmin 12/Etrex

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak3	Aluminum	24'	Yamaha 115 HP	2/0

Whaling today? No If not, why not? Return to Nuiqsut

Time departed: 6:00 PM Time returned: 7:30 PM Prudhoe

Waypoints or Coordinates noted

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

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

<b>Direction of initial search (and explanation):</b>	
<b>Time spent actively scouting/# people looking:</b>	
<b>Time spent in travel/tow/assistance to other boats/on "break":</b>	
<b>Notes:</b>	NAP crew makes an attempt to leave for West Dock. It becomes evident that NAP4 cannot handle the conditions. It is thought that NAP1-3 could probably make it to West Dock, but all return to Cross Island. The demobilization barge is in sight by that time, so there is the option of sending the boats to West Dock on that barge. NAP crew cannot travel on that barge, however, as there are not enough float coats, so ACS send over two smaller barges to provide transportation. NAP crew helps load the big barge (moving totes and such) and barge is almost loaded by the time NAP crew leaves on ACS ferries/barges. Once in Prudhoe are met by a bus and taken to the Prudhoe Bay Hotel, where we spend the night before resuming the trip to Nuiqsut the next day. NAP3 does make it to Nuiqsut the next day.

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

<b>Fog or clouds?</b>		<b>Weather notes:</b>	Windy and overcast, with whitecaps – weather station has been dismantled, so no WF for this day
<b>Wind Direction:</b>		<b>Wind speed and other notes:</b>	20+ mph ?
<b>% Ice Coverage:</b>	0	<b>Ice Type:</b>	
<b>Wave Height:</b>	4+ ft	<b>Other notes on sea conditions:</b>	
<b>Other pertinent notes:</b>			

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

Trying to leave Cross Island

GPS track? No GPS File Name:

If not, why not? Trip to West Dock on ACS ferries

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/07/03 Crew: Napageak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak4	Fiberglass	24'	Yamaha 225 HP	1

Whaling today? No If not, why not? To Cross Island to help butcher and pack up

Time departed: \_\_\_\_\_ Time returned: 5:05 PM

Waypoints or Coordinates noted

Lat/Long	Way Point #	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): \_\_\_\_\_  
 Time spent actively scouting/# people looking: \_\_\_\_\_  
 Time spent in travel/tow/assistance to other boats/on "break?": \_\_\_\_\_  
 Notes: NAP4 arrived at Cross Island about 5:05 PM to help butcher, pack up, and transport stuff back to Nuiqsut.

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

Fog or clouds?	overcast	Weather notes:	Clear but very overcast, some drizzle, breeze increasing; BP falling all day
Wind Direction:		Wind speed and other notes:	5 to 17 mph
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:		Other notes on sea conditions:	
Other pertinent notes:	See weather station file		

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

Butchering of last whale

GPS track? No GPS File Name:

If not, why not? Trip to Cross Island from Nuiqsut



ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/08/03 Crew: Napageak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak4	Fiberglass	24'	Yamaha 225 HP	NA

Whaling today? No If not, why not? Quota taken

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):  
 Time spent actively scouting/# people looking:  
 Time spent in travel/tow/assistance to other boats/on "break":  
 Notes: Mainly preparing for departure to Nuiqsut.

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

Fog or clouds?	overcast	Weather notes:	Overcast with later breaks of sun, some rain and snow, windy; BP increasing all day (peaks at 3AM on 9/09)
Wind Direction:		Wind speed and other notes:	20+ mph, peak of 35 mph, low of 5 mph – see WF
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:		Other notes on sea conditions:	Very choppy
Other pertinent notes:	See weather station file		

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

Butcher whale and divide shares on Cross Island

GPS track? NA GPS File Name:

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/09/03 Crew: Napageak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak4	Fiberglass	24'	Yamaha 225 HP	NA

Whaling today? No If not, why not? Prepare to leave Cross Island for Nuiqsut

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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): \_\_\_\_\_  
 Time spent actively scouting/# people looking: \_\_\_\_\_  
 Time spent in travel/tow/assistance to other boats/on "break": \_\_\_\_\_  
 Notes: Chores on Cross Island

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

Fog or clouds?	clouds	Weather notes:	Windy and cool, very choppy with whitecaps, BP falling
Wind Direction:		Wind speed and other notes:	15-25 mph, falling when weather station taken down
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:		Other notes on sea conditions:	Very choppy, with whitecaps
Other pertinent notes:	Weather station dismantled		

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

Final "island chores"

GPS track? NA GPS File Name:

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/10/03 Crew: Napageak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Napageak4	Fiberglass	24'	Yamaha 225 HP	2/0

Whaling today? No If not, why not? Return to Nuiqsut

Time departed: 6:00 PM Time returned: 7:30 PM Prudhoe

Waypoints or Coordinates noted

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

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

<b>Direction of initial search (and explanation):</b>	
<b>Time spent actively scouting/# people looking:</b>	
<b>Time spent in travel/tow/assistance to other boats/on "break":</b>	
<b>Notes:</b>	NAP crew makes an attempt to leave for West Dock. It becomes evident that NAP4 cannot handle the conditions. It is thought that NAP1-3 could probably make it to West Dock, but all return to Cross Island. The demobilization barge is in sight by that time, so there is the option of sending the boats to West Dock on that barge. NAP crew cannot travel on that barge, however, as there are not enough float coats, so ACS send over two smaller barges to provide transportation. NAP crew helps load the big barge (moving totes and such) and barge is almost loaded by the time NAP crew leaves on ACS ferries/barges. Once in Prudhoe are met by a bus and taken to the Prudhoe Bay Hotel, where we spend the night before resuming the trip to Nuiqsut the next day. NAP4 broke down the next day (steering problem) so the 2 crew members spent another night in Prudhoe and flew to Nuiqsut the day after that. NAP4 was towed to Oliktok Point and later retrieved by its owner with the help of another boat from Nuiqsut.

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

<b>Fog or clouds?</b>		<b>Weather notes:</b>	Windy and overcast, with whitecaps – weather station has been dismantled, so no WF for this day
<b>Wind Direction:</b>		<b>Wind speed and other notes:</b>	20+ mph ?
<b>% Ice Coverage:</b>	0	<b>Ice Type:</b>	
<b>Wave Height:</b>	4+ ft	<b>Other notes on sea conditions:</b>	
<b>Other pertinent notes:</b>			

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

Trying to leave Cross Island

GPS track? No GPS File Name:

If not, why not? Trip to West Dock on ACS ferries

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 08/31/03 Crew: Nukapigak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Nukapigak1	Fiberglass	24'	Yamaha 200 HP	Probably 3

NUK boat 1-3 travel from Nuiqsut to Cross Island this day, arriving between 9 and 10 PM (closer to 10 PM) with 7 total crew members. NUK1, as the largest boat, probably had 3 passengers and the other boats 2 each.

Whaling today?	No	If not, why not?	Weather – foggy with some chop, in transit to Cross Is.
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Time departed: UNK Time returned: 9:45 PM at Cross Island

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	In transit to Cross Island

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

Fog or clouds?	Fog	Weather notes:	Temp. 35F, BP 29.79 and rising (peaks 3AM 9/01)
Wind Direction:	WNW	Wind speed and other notes:	0-18 mph, peaks 3PM – see WF
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	2-4 ft	Other notes on sea conditions:	Better than yesterday, still can't scout (can travel)
Other pertinent notes:	See weather station file		

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

In transit to Cross Island
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GPS track? Yes GPS File Name: NUK1\_083103.mps partial track

If not, why not?	
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ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/01/03 Crew: Nukapigak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Nukapigak1	Fiberglass	24'	Yamaha 200 HP	NA

Whaling today? No If not, why not? Small oil problem

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	

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

Fog or clouds?	A little	Weather notes:	Drizzly, with a little fog, BP 29.94 early, but falls all day
Wind Direction:	NNW	Wind speed and other notes:	0-20 mph, lowest 9AM, highest after 3PM – see WF
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	3-4ft	Other notes on sea conditions:	Conditions still somewhat marginal for scouting – choppy, maybe not predicted 3-4 foot seas
Other pertinent notes:	See weather station file		

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

Polar bear with cub observed on the far part of Cross Island after 7AM. By the end of the day at least 3 or 4 other polar bears were observed on the island, including a fight/spate between what the whalers believed was a male bear and the bear with the cub. During butchering or division of the whale shares polar bears were approaching the butcher site and had to be scared away by gunfire (no attempt to actually shoot them).

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

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/02/03 Crew: Nukapigak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Nukapigak1	Fiberglass	24'	Yamaha 200 HP	6

Whaling today?	Yes	If not, why not?	Marginal conditions
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Time departed: 5:21 PM Time returned: 9:23 PM

4 hours 2 minutes

Waypoints or Coordinates noted

Lat/Long	Way Point #	Time	Notes (if whale - # of animals, direction of travel, behavior)
N70 32 47.7 W147 54 31.0	nuk1_090203a	5:54PM	Radio report that they saw a whale – but later radio back that it was a log. This prompts the other boats to go out anyway.
N70 32 23.8 W147 33 59.6	NUK1_090203b	8:00PM	Whale sighting – no other details

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

Direction of initial search (and explanation):	NE
Time spent actively scouting/# people looking:	Entire trip, 6 crew members
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	Head out NE, then SE, then NE again. No detailed account of trip obtained, but were crossing expected migration route of whales. At point "a" reported seeing a whale that turned out to be a log – but this still prompted the other crews to go out scouting as well (weather conditions had greatly improved by that time). At point "b" NUK1 did see a whale – the only one of the day for them. They did not see or help with BO whale. This was the only day NUK1 went out scouting (never solved the oil/engine problem). ACS barge arrives on Cross Island a bit before 2PM, departs 2:20 PM – brings Mark Majors of ConocoPhillips & building supplies, takes away "fresh kill" for IN whale (IN had arranged for it to be flown to NQT as conditions were marginal for boat transport). TOT 4:02, total distance of about 31.2 miles, FDFCI 10 miles.

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

Fog or clouds?	cloudy	Weather notes:	Windy, cloudy, overcast, some fog – conditions improved later. BP falls until 3AM on 9/03
Wind Direction:	See WF	Wind speed and other notes:	Windy in morning (20 mph @ 3AM), calmed in afternoon (0 mph evening), then increased
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	6-7 feet	Other notes on sea conditions:	Very choppy in morning, calmed in afternoon
Other pertinent notes:	See weather station file		

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

At least 6 polar bear now on Cross Island – mother w/1 cub, mother w/2 cubs, 4 or 5 others (at least 1 presumed to be male)
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GPS track? Yes GPS File Name: NUK1\_090203.mps

If not, why not?	
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ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/03/03 Crew: Nukapigak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Nukapigak1	Fiberglass	24'	Yamaha 200 HP	NA

Whaling today?	No	If not, why not?	Weather – windy and chilly
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Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	NUK2 and NUK3 out briefly, but the wind continues all day and seas too high (reported to be worst near Cross Island). People work on cabins or do other chores. Boats taken up out of water due to probable high winds and waves. ASC barge comes to Cross Island with John Whitehead (VP ConocoPhillips). NAP3 does a little duck hunting and makes a trip to West Dock for packages, but deemed too rough for scouting – see NAP3

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

Fog or clouds?	overcast	Weather notes:	Windy and chilly all day, some breaks of sun, BP rising all day
Wind Direction:	See WF	Wind speed and other notes:	Windy – varies through day, see WF (low to 25 mph) – increases mostly through the day
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	5+ feet	Other notes on sea conditions:	Choppy – can travel BUT not pleasant
Other pertinent notes:	See weather station file		

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

Engaged in Cross Island chores. NAP3 did a little duck hunting (none harvested)
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GPS track? NA GPS File Name:

If not, why not?	
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ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/04/03 Crew: Nukapigak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Nukapigak1	Fiberglass	24'	Yamaha 200 HP	NA

Whaling today? No If not, why not? Very windy, cloudy and overcast, some rain

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	Work on gear for whaling, do work on cabins, do other domestic chores. NUK2 makes a trip to West Dock for some packages BUT too rough for scouting – reported to be VERY rough and their boat was watched for as long as it was visible

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

Fog or clouds?	overcast	Weather notes:	Very windy, cloudy and overcast, some rain; BP rising all day
Wind Direction:	See WF	Wind speed and other notes:	30+ mph, varies through day, see WF (6 to 33 mph)
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	high	Other notes on sea conditions:	Extreme white caps, no boats out to look
Other pertinent notes:	See weather station file		

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

As on previous days, confined to on-island activities (and 1 boat trip to West Dock)

GPS track? NA GPS File Name:

If not, why not?



ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/05/03 Crew: Nukapigak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Nukapigak1	Fiberglass	24'	Yamaha 200 HP	NA

Whaling today?  No **If not, why not?**

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	

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

Fog or clouds?	clouds	Weather notes:	Trying to snow, temperature in the 30s; BP peaks at 3PM @ 29.8 and then falls
Wind Direction:	SW	Wind speed and other notes:	Varies – 0 to 18 mph – see WF
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:		Other notes on sea conditions:	
Other pertinent notes:	See weather station file		

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**

Other crews landed 2 whales and all crews participated in butchering

GPS track? NA GPS File Name:  

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/06/03 Crew: Nukapigak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Nukapigak1	Fiberglass	24'	Yamaha 200 HP	NA

Whaling today? No If not, why not? Oil uptake or engine problem – lack of power

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	

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

Fog or clouds?		Weather notes:	Windy and choppy in morning, calming in afternoon; BP falling all day
Wind Direction:		Wind speed and other notes:	0-20 mph, calmest around 6PM – see WF
% Ice Coverage:	0	Ice Type:	
Wave Height:		Other Notes:	
Other pertinent notes:	See weather station file		

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

Whale arrived just before midnight, butchering deferred until next day.

GPS track? No GPS File Name:

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/07/03 Crew: Nukapigak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Nukapigak1	Fiberglass	24'	Yamaha 200 HP	NA

Whaling today? No If not, why not? Butcher day, quota filled

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	Day spent in butchering. NAP2 whale measured as 40'1" but reduced to 39'1" due to bent tape. Slit 3'2", with sides of the "V" at end of slit each 13.5". End of "V" was 4" wide. Flukes were 13'7.5" wide. Whale was male.

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

Fog or clouds?	overcast	Weather notes:	Clear but very overcast, some drizzle, breeze increasing; BP falling all day
Wind Direction:		Wind speed and other notes:	5 to 17 mph
% Ice Coverage:	0	Ice Type:	
Wave Height:		Other Notes:	
Other pertinent notes:	See weather station file		

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

Butchering of last whale

GPS track? NA GPS File Name:

If not, why not?







ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/01/03 Crew: Nukapigak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Nukapigak2	Aluminum	20'	Yamaha 115 HP w/150 HP lower unit	4 or 5

Whaling today? Yes  If not, why not?

Time departed: 11:32 AM Time returned: 2:55 PM  
 3 hours 23 minutes

Waypoints or Coordinates noted

Lat/Long	Way Point #	Time	Notes (if whale - # of animals, direction of travel, behavior)
			None marked, no narrative report (no GPS track)

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

Direction of initial search (and explanation):

Time spent actively scouting/# people looking:

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

Notes: No real detail obtained for this boat for this day. Tracking on the GPS unit was set to "off" as the researcher had not had the time to check the unit before the crew went out. Once the IAN crew struck a whale this crew probably provided support, as did the other boats. Due to a short tow rope, NUK2 did not participate in the tow.

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

Fog or clouds?	A little	Weather notes:	Drizzly, with a little fog, BP 29.94 early, but falls all day
Wind Direction:	NNW	Wind speed and other notes:	0-20 mph, lowest 9AM, highest after 3PM – see WF
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	3-4ft	Other notes on sea conditions:	Conditions still somewhat marginal for scouting – choppy, maybe not predicted 3-4 foot seas
Other pertinent notes:	See weather station file		

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

Polar bear with cub observed on the far part of Cross Island after 7AM. By the end of the day at least 3 or 4 other polar bears were observed on the island, including a fight/spate between what the whalers believed was a male bear and the bear with the cub. During butchering or division of the whale shares polar bears were approaching the butcher site and had to be scared away by gunfire (no attempt to actually shoot them).

GPS track? No  GPS File Name:

If not, why not? Tracking set to "off" – crew had arrived late the night before and GPS not checked by the researcher

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/02/03 Crew: Nukapigak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Nukapigak2	Aluminum	20'	Yamaha 115 HP w/150 HP lower unit	NA

Whaling today? No If not, why not? Most of crew goes out on NUK1

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):  
 Time spent actively scouting/# people looking:  
 Time spent in travel/tow/assistance to other boats/on "break":  
 Notes:

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

Fog or clouds?	cloudy	Weather notes:	Windy, cloudy, overcast, some fog – conditions improved later. BP falls until 3AM on 9/03
Wind Direction:	See WF	Wind speed and other notes:	Windy in morning (20 mph @ 3AM), calmed in afternoon (0 mph evening), then increased
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	6-7 feet	Other notes on sea conditions:	Very choppy in morning, calmed in afternoon
Other pertinent notes:	See weather station file		

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

At least 6 polar bear now on Cross Island – mother w/1 cub, mother w/2 cubs, 4 or 5 others (at least 1 presumed to be male)

GPS track? NA GPS File Name:

If not, why not?



ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/03/03 Crew: Nukapigak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Nukapigak2	Aluminum	20'	Yamaha 115 HP w/150 HP lower unit	4

Whaling today?  Yes If not, why not?  Weather – windy and chilly

Time departed: 5:35 AM Time returned: 8:21 AM  
 2 hours 46 minutes

Waypoints or Coordinates noted

Lat/Long	Way Point #	Time	Notes (if whale - # of animals, direction of travel, behavior)
N70 33 38.3 W148 02 41.8	nuk2_090303a	5:52PM	About 5 miles out, possible blow – many whalebirds
N70 35 56.1 W147 56 10.2	nuk2_090303b	7:24PM	Point where NAP3 radioed them that they saw a whale
N70 36 38.4 W147 53 25.7	nuk3_090303a	7:32PM	Point where NAP3 marked their whale sighting
			No waypoints marked by the crew

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

<b>Direction of initial search (and explanation):</b>	North – one area where whales are expected to be found
<b>Time spent actively scouting/# people looking:</b>	5:35-7:32PM
<b>Time spent in travel/tow/assistance to other boats/on "break":</b>	7:32-8:21PM
<b>Notes:</b>	NUK2 heads out north until it started to get choppy and they thought they were far enough. Saw no whales, may have seen a blow about 5 miles out from Cross Island. They saw whalebirds around there, and many seals and ducks all along the track (no segment pointed out as more than any other segment). Point "b" "b" where NUK3 called them about a whale sighting (marked by NUK3 as point "c") – but NUK2 never saw this whale. Could not find this whale and decide to go in. NUK2 and NUK3 tracks are very similar to each other – stayed together pretty much. The wind continues all day and seas are quite igh (reported to be worst near Cross Island). Other crews work on cabins or do other chores. Boats taken up out of water due to probable high winds and waves. ASC barge comes to Cross Island with John Whitehead (VP ConocoPhillips). NAP3 does a little duck hunting and makes a trip to West Dock for packages, but deemed too rough for scouting – see NAP3. TOT 2:46, distance about 30 miles, FDFCI 12 miles.

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

<b>Fog or clouds?</b>	Overcast	<b>Weather notes:</b>	Windy and chilly all day, some breaks of sun, BP rising all day
<b>Wind Direction:</b>	See WF	<b>Wind speed and other notes:</b>	Windy – varies through day, see WF (low to 25 mph) – increases mostly through the day
<b>% Ice Coverage:</b>	0	<b>Ice Type:</b>	<b>Other Notes:</b>
<b>Wave Height:</b>	5+ feet	<b>Other notes on sea conditions:</b>	Choppy – can travel BUT not pleasant
<b>Other pertinent notes:</b>	See weather station file		

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

Engaged in Cross Island chores. NAP3 did a little duck hunting (none harvested)

GPS track?  Yes **GPS File Name:** NUK2\_090303.mps

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/04/03 Crew: Nukapigak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Nukapigak2	Aluminum	20'	Yamaha 115 HP w/150 HP lower unit	NA

Whaling today? No If not, why not? Very windy, cloudy and overcast, some rain

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	Work on gear for whaling, do work on cabins, do other domestic chores. NUK2 makes a trip to West Dock for some packages BUT too rough for scouting – reported to be VERY rough and their boat was watched for as long as it was visible

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

Fog or clouds?	Overcast	Weather notes:	Very windy, cloudy and overcast, some rain; BP rising all day
Wind Direction:	See WF	Wind speed and other notes:	30+ mph, varies through day, see WF (6 to 33 mph)
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	high	Other notes on sea conditions:	Extreme white caps, no boats out to look
Other pertinent notes:	See weather station file		

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

As on previous days, confined to on-island activities (and 1 boat trip to West Dock)

GPS track? NA GPS File Name:

If not, why not?

## ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/05/03Crew: NukapigakGPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Nukapigak2	Aluminum	20'	Yamaha 115 HP w/150 HP lower unit	4

Whaling today? Yes If not, why not? Time departed: 5:48 AMTime returned: 11:04 AM

5 hours 16 minutes

## Waypoints or Coordinates noted

Lat/Long	Way Point #	Time	Notes (if whale - # of animals, direction of travel, behavior)
N70 29 28.0 W147 48 51.3	nuk2_090503a	6:06 AM	Point where two "currents" (contours) meet – see notes
N70 29 29.2 W147 35 21.6	NUK2_090503a	8:56 AM	Point marked as reference point of IAN whale (dead). Probably marked about 7:20 AM while NUK2 and NUK3 still some distance away.

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

<b>Direction of initial search (and explanation):</b>	East and SSE, towards narwhal Island along 30 meter contour
<b>Time spent actively scouting/# people looking:</b>	5:48-7:07 AM
<b>Time spent in travel/tow/assistance to other boats/on "break":</b>	7:07-7:59AM to reach IAN, 7:59-11:04 AM tow (and preparation for tow)
<b>Notes:</b>	NUK2 and NUK3 stayed close together this day, and were scouting separately from the other boats. They did not see any whales, other than the one they helped tow, and they did not assist in that chase and kill. They went SSE towards the Narwhal Island area (where they used to whale in the past, from a cabin on Narwhal Island). They report that two "currents" (contour lines) meet at about waypoint "a" and they picked the wrong one to follow. They picked the 30 meter current to follow since they usually find small whales near that current. They said that the other boats seemed to follow the 60 meter current and found some whales. They continued scouting until called on the radio about 7:07 AM, at which time they turned NW towards the other boats and increased speed to assist with the IAN whale. The whale was killed by the time they arrived, but NUK2 and NUK3 assisted IAN with the tow while the other boats continued to scout (and eventually took another whale). See IAN report. TOT 5:16, total distance 57 miles, FDFCI 17 miles.

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

<b>Fog or clouds?</b>	clouds	<b>Weather notes:</b>	Trying to snow, temperature in the 30s; BP peaks at 3PM @ 29.8 and then falls
<b>Wind Direction:</b>	SW	<b>Wind speed and other notes:</b>	Varies – 0 to 18 mph – see WF
<b>% Ice Coverage:</b>	0	<b>Ice Type:</b>	
<b>Wave Height:</b>		<b>Other notes on sea conditions:</b>	
<b>Other pertinent notes:</b>	See weather station file		

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

Helped tow IAN whale, participated in butchering both whales harvested this day

GPS track? Yes GPS File Name: NUK2\_090503.mpsIf not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/06/03 Crew: Nukapigak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Nukapigak2	Aluminum	20'	Yamaha 115 HP w/150 HP lower unit	2

Whaling today? Yes  If not, why not?

Time departed: 5:19 PM Time returned: 11:50 PM  
 6 hours 31 minutes

Waypoints or Coordinates noted

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

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

<b>Direction of initial search (and explanation):</b>	Head north where whales had been seen previously
<b>Time spent actively scouting/# people looking:</b>	5:19-8:18 PM
<b>Time spent in travel/tow/assistance to other boats/on "break":</b>	8:18-9:31 PM assist; 9:31-11:50 PM tow
<b>Notes:</b>	NUK2 was originally to take the IAN "fresh kill" to Nuiqsut, with the NUK2 crew using the IAN boat for scouting, but conditions were too rough for the NUK2 boat to go to West Dock with a full load. Thus, the IAN boat took the IAN "fresh kill" and when conditions calmed later in the day most boats went out scouting. Three NUK boats and the BO crew went out scouting right after "public" butchering of the previous whale was finished. Weather predicted to get much worse in near future, and has calmed down considerably. NAP crew went out a bit later. The BO and NUK crews went out separately, BO2 more north than BO1 and the NUK boats but they joined together when BO1 and NUK2 spotted a whale. The location of this whale was not marked by any boat. Tracks of all NUK boats were very similar. NUK2 track is incomplete and no points were marked by crew, so NAP3 and NAP4 accounts should be referenced. Also see BO boat reports. These boats spotted and lost several whales. All boats may have been chasing separate whales when they were called to assist with the whale struck by NAP2 (about 8:18 PM). See other boat reports. Track is very partial - TOT 6:31, likely 54 to 66 total miles distance, FDFCI probably about 17 miles.

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

<b>Fog or clouds?</b>		<b>Weather notes:</b>	Windy and choppy in morning, calming in afternoon; BP falling all day
<b>Wind Direction:</b>		<b>Wind speed and other notes:</b>	0-20 mph, calmest around 6PM - see WF
<b>% Ice Coverage:</b>	0	<b>Ice Type:</b>	
<b>Wave Height:</b>		<b>Other notes on sea conditions:</b>	
<b>Other pertinent notes:</b>	See weather station file		

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

Whale arrived just before midnight, butchering deferred until next day.

GPS track? Yes  GPS File Name: NUK2\_090603.mps

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/07/03 Crew: Nukapigak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Nukapigak2	Aluminum	20'	Yamaha 115 HP w/150 HP lower unit	NA

Whaling today? No If not, why not? Butcher day, quota filled

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	Day spent in butchering. NAP2 whale measured as 40'1" but reduced to 39'1" due to bent tape. Slit 3'2", with sides of the "V" at end of slit each 13.5". End of "V" was 4" wide. Flukes were 13'7.5" wide. Whale was male.

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

Fog or clouds?	overcast	Weather notes:	Clear but very overcast, some drizzle, breeze increasing; BP falling all day
Wind Direction:		Wind speed and other notes:	5 to 17 mph
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:		Other notes on sea conditions:	
Other pertinent notes:	See weather station file		

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

Butchering of last whale

GPS track? NA GPS File Name:

If not, why not?





ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 08/31/03 Crew: Nukapigak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Nukapigak3	Aluminum	16' or 18'	Evenrude 88 HP	NA

Whaling today?	No	If not, why not?	Weather – foggy with some chop, in transit to Cross Is.
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Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	In transit to Cross Island. NUK3 is an aluminum Lund, and may have been intended mainly as a support boat. When NUK1 developed power problems, NUK3 was considered more for scouting duties.

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

Fog or clouds?	Fog	Weather notes:	Temp. 35F, BP 29.79 and rising (peaks 3AM 9/01)
Wind Direction:	WNW	Wind speed and other notes:	0-18 mph, peaks 3PM – see WF
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	2-4 ft	Other notes on sea conditions:	Better than yesterday, still can't scout (can travel)
Other pertinent notes:	See weather station file		

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

Domestic activities, working on cabins, etc.
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GPS track? No GPS File Name:

If not, why not?	Trip from Nuiqsut to Cross Island
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ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/01/03 Crew: Nukapigak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Nukapigak3	Aluminum	16' or 18'	Evenrude 88 HP	NA

Whaling today? No If not, why not? Conditions marginal, most of crew on NUK2

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	

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

Fog or clouds?	A little	Weather notes:	Drizzly, with a little fog, BP 29.94 early, but falls all day
Wind Direction:	NNW	Wind speed and other notes:	0-20 mph, lowest 9AM, highest after 3PM – see WF
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	3-4ft	Other notes on sea conditions:	Conditions still somewhat marginal for scouting – choppy, maybe not predicted 3-4 foot seas
Other pertinent notes:	See weather station file		

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

Polar bear with cub observed on the far part of Cross Island after 7AM. By the end of the day at least 3 or 4 other polar bears were observed on the island, including a fight/spate between what the whalers believed was a male bear and the bear with the cub. During butchering or division of the whale shares polar bears were approaching the butcher site and had to be scared away by gunfire (no attempt to actually shoot them).

GPS track? No GPS File Name:    
 If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/02/03 Crew: Nukapigak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Nukapigak3	Aluminum	16' or 18'	Evenrude 88 HP	NA

Whaling today? No If not, why not? Most of crew goes out on NUK1

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	

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

Fog or clouds?	cloudy	Weather notes:	Windy, cloudy, overcast, some fog – conditions improved later. BP falls until 3AM on 9/03
Wind Direction:	See WF	Wind speed and other notes:	Windy in morning (20 mph @ 3AM), calmed in afternoon (0 mph evening), then increased
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	6-7 feet	Other notes on sea conditions:	Very choppy in morning, calmed in afternoon
Other pertinent notes:	See weather station file		

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

At least 6 polar bear now on Cross Island – mother w/1 cub, mother w/2 cubs, 4 or 5 others (at least 1 presumed to be male)

GPS track? NA GPS File Name:

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/03/03 Crew: Nukapigak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Nukapigak3	Aluminum	16' or 18'	Evenrude 88 HP	3

Whaling today?  Yes If not, why not? Weather – windy and chilly

Time departed: 5:38 AM Time returned: 8:25 AM

2 hours 47 minutes

Waypoints or Coordinates noted

Lat/Long	Way Point #	Time	Notes (if whale - # of animals, direction of travel, behavior)
N70 36 38.4 W147 53 25.7	NUK3_090303a	7:32AM	Whale sighting – no other details

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

Direction of initial search (and explanation):	North – one area where whales are expected to be found
Time spent actively scouting/# people looking:	5:38-7:32PM
Time spent in travel/tow/assistance to other boats/on "break":	7:32-8:21PM
Notes:	NUK2 and NUK3 stay together and tracks are very similar. They head out north until it started to get choppy and they thought they were far enough. Saw no whales, may have seen a blow about 5 miles out from Cross Island (see NUK2 boat report). They saw whalebirds around there, and many seals and ducks all along the track (no segment pointed out as more than any other segment). Point "a" where NUK3 marked a whale sighting. The wind continues all day and seas are quite high (reported to be worst near Cross Island). Other crews work on cabins or do other chores. Boats taken up out of water due to probable high winds and waves. ASC barge comes to Cross Island with John Whitehead (VP ConocoPhillips). NAP3 does a little duck hunting and makes a trip to West Dock for packages, but deemed too rough for scouting – see NAP3. TOT 2:47, total distance about 30 miles, FDFCI 12 miles.

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

Fog or clouds?	overcast	Weather notes:	Windy and chilly all day, some breaks of sun, BP rising all day
Wind Direction:	See WF	Wind speed and other notes:	Windy – varies through day, see WF (low to 25 mph) – increases mostly through the day
% Ice Coverage:	0	Ice Type:	
Wave Height:	5+ feet	Other notes on sea conditions:	Choppy – can travel BUT not pleasant
Other pertinent notes:	See weather station file		

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

Engaged in Cross Island chores. NAP3 did a little duck hunting (none harvested)

GPS track?  Yes GPS File Name: NUK3\_090303.mps

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/04/03 Crew: Nukapigak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Nukapigak3	Aluminum	16' or 18'	Evenrude 88 HP	NA

Whaling today? No If not, why not? Very windy, cloudy and overcast, some rain

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	Work on gear for whaling, do work on cabins, do other domestic chores. NUK2 makes a trip to West Dock for some packages BUT too rough for scouting – reported to be VERY rough and their boat was watched for as long as it was visible

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

Fog or clouds?	overcast	Weather notes:	Very windy, cloudy and overcast, some rain; BP rising all day
Wind Direction:	See WF	Wind speed and other notes:	30+ mph, varies through day, see WF (6 to 33 mph)
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	high	Other notes on sea conditions:	Extreme white caps, no boats out to look
Other pertinent notes:	See weather station file		

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

As on previous days, confined to on-island activities (and 1 boat trip to West Dock)

GPS track? NA GPS File Name:

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/05/03 Crew: Nukapigak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Nukapigak3	Aluminum	16' or 18'	Evenrude 88 HP	3

Whaling today? Yes If not, why not?

Time departed: 5:48 AM Time returned: 11:04 AM

5 hours 16 minutes

Waypoints or Coordinates noted

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

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

<b>Direction of initial search (and explanation):</b>	East and SSE, towards narwhal Island along 30 meter contour
<b>Time spent actively scouting/# people looking:</b>	5:48-7:07 AM
<b>Time spent in travel/tow/assistance to other boats/on "break":</b>	7:07-7:59AM to reach IAN, 7:59-11:04 AM tow (and preparation for tow)
<b>Notes:</b>	NUK2 and NUK3 stayed close together this day, and were scouting separately from the other boats. NUK3 track is very partial, but NUK2 track said to be just about the same. They did not see any whales, other than the one they helped tow, and they did not assist in that chase and kill. They went SSE towards the Narwhal Island area (where they used to whale in the past, from a cabin on Narwhal Island). They report that two "currents" (contour lines) meet at about waypoint "a" and they picked the wrong one to follow. They picked the 30 meter current to follow since they usually find small whales near that current. They said that the other boats seemed to follow the 60 meter current and found some whales. They continued scouting until called on the radio about 7:07 AM, at which time they turned NW towards the other boats and increased speed to assist with the IAN whale. The whale was killed by the time they arrived, but NUK2 and NUK3 assisted IAN with the tow while the other boats continued to scout (and eventually took another whale). See IAN report. TOT of about 5:16, only partial track so NUK2 track statistics best available information (57 total miles, FDFCI about 17 miles).

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

<b>Fog or clouds?</b>	Clouds	<b>Weather notes:</b>	Trying to snow, temperature in the 30s; BP peaks at 3PM @ 29.8 and then falls
<b>Wind Direction:</b>	SW	<b>Wind speed and other notes:</b>	Varies – 0 to 18 mph – see WF
<b>% Ice Coverage:</b>	0	<b>Ice Type:</b>	<b>Other Notes:</b>
<b>Wave Height:</b>		<b>Other notes on sea conditions:</b>	
<b>Other pertinent notes:</b>	See weather station file		

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  
 Helped tow IAN whale, participated in butchering both whales harvested this day

GPS track? Yes GPS File Name: NUK3\_090503.mps but very partial – see NUK2 track  
 If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/06/03 Crew: Nukapigak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Nukapigak3	Aluminum	16' or 18'	Evenrude 88 HP	2

Whaling today? Yes  If not, why not?

Time departed: 5:19 PM Time returned: 11:50 PM

6 hours 31 minutes

Waypoints or Coordinates noted

Lat/Long	Way Point #	Time	Notes (if whale - # of animals, direction of travel, behavior)
N70 41 33.3 W148 00 44.9	NUK3_090603a	8:17PM	Whale they were following (also marked by other boats)

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

<b>Direction of initial search (and explanation):</b>	Head NE where whales had been seen previously
<b>Time spent actively scouting/# people looking:</b>	5:19-8:18 PM
<b>Time spent in travel/tow/assistance to other boats/on "break":</b>	8:18-9:31 PM assist; 9:31-11:50 PM tow
<b>Notes:</b>	Three NUK boats and the BO crew went out scouting right after "public" butchering of the previous whale was finished. Weather predicted to get much worse in near future, and has calmed down considerably. NAP crew went out a bit later. The BO and NUK crews went out separately, BO2 more north than BO1 and the NUK boats but they joined together when BO1 and NUK2 spotted a whale. The location of this whale was not marked by any boat. Tracks of all NUK boats were very similar. NUK2 track is incomplete, NUK3 and NUK4 more complete. Other boat records (NAP3 and NAP4, BO crew) should also be consulted. These boats spotted and lost several whales. All boats may have been chasing separate whales when they were called to assist with the whale struck by NAP2 (about 8:18 PM). See other boat reports. TOT 6:31, total distance at least 54 miles, FDFCI 17.2 miles.

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

<b>Fog or clouds?</b>		<b>Weather notes:</b>	Windy and choppy in morning, calming in afternoon; BP falling all day
<b>Wind Direction:</b>		<b>Wind speed and other notes:</b>	0-20 mph, calmest around 6PM – see WF
<b>% Ice Coverage:</b>	0	<b>Ice Type:</b>	
<b>Wave Height:</b>		<b>Other Notes:</b>	
<b>Other pertinent notes:</b>	See weather station file		

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

Whale arrived just before midnight, butchering deferred until next day.

GPS track? Yes  GPS File Name: NUK3\_090603.mps

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/07/03 Crew: Nukapigak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Nukapigak3	Aluminum	16' or 18'	Evenrude 88 HP	NA

Whaling today? No If not, why not? Butcher day, quota filled

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	Day spent in butchering. NAP2 whale measured as 40'1" but reduced to 39'1" due to bent tape. Slit 3'2", with sides of the "V" at end of slit each 13.5". End of "V" was 4" wide. Flukes were 13'7.5" wide. Whale was male.

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

Fog or clouds?	overcast	Weather notes:	Clear but very overcast, some drizzle, breeze increasing; BP falling all day
Wind Direction:		Wind speed and other notes:	5 to 17 mph
% Ice Coverage:	0	Ice Type:	
Wave Height:		Other Notes:	
Other pertinent notes:	See weather station file		

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  
 Butchering of last whale

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

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/08/03 Crew: Nukapigak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Nukapigak3	Aluminum	16' or 18'	Evenrude 88 HP	NA

Whaling today? No If not, why not? Preparing to return to Nuiqsut

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):  
 Time spent actively scouting/# people looking:  
 Time spent in travel/tow/assistance to other boats/on "break":  
 Notes: Mainly preparing for departure to Nuiqsut

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

Fog or clouds?	overcast	Weather notes:	Overcast with later breaks of sun, some rain and snow, windy; BP increasing all day (peaks at 3AM on 9/09)
Wind Direction:		Wind speed and other notes:	20+ mph, peak of 35 mph, low of 5 mph – see WF
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:		Other notes on sea conditions:	Very choppy
Other pertinent notes:	See weather station file		

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

Butcher whale and divide shares

GPS track? NA GPS File Name:

If not, why not?





ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/05/03 Crew: Nukapigak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Nukapigak4	Aluminum	16' or 18'	Yamaha 90 HP	2

Whaling today?  No **If not, why not?** In transit to Cross Island, arrived in the afternoon

Time departed: \_\_\_\_\_ Time returned: mid- to late-afternoon

Waypoints or Coordinates noted

Lat/Long	Way Point #	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): \_\_\_\_\_

Time spent actively scouting/# people looking: \_\_\_\_\_

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

Notes: Arrived on Cross Island in the afternoon to help with butchering, packing, and taking gear to Nuiqsut. – also to scout

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

Fog or clouds?	clouds	Weather notes:	Trying to snow, temperature in the 30s; BP peaks at 3PM @ 29.8 and then falls
Wind Direction:	SW	Wind speed and other notes:	Varies – 0 to 18 mph – see WF
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:		Other notes on sea conditions:	
Other pertinent notes:	See weather station file		

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**

In transit to Cross Island

GPS track?  No **GPS File Name:** Trip from Nuiqsut to Cross Island

If not, why not? \_\_\_\_\_

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/06/03 Crew: Nukapigak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Nukapigak4	Aluminum	16' or 18'	Yamaha 90 HP	2

Whaling today? Yes  If not, why not?

Time departed: 5:19 PM Time returned: 11:50 PM

6 hours 31 minutes

Waypoints or Coordinates noted

Lat/Long	Way Point #	Time	Notes (if whale - # of animals, direction of travel, behavior)
N70 42 19.7 W147 44 28.7	NUK4_090603a	7:09PM	Reported as 2 <sup>nd</sup> sighting of this first whale
N70 44 04.4 W147 52 00.4	NUK4_090603b	7:27PM	Report sighting many whales – 10 or more, as close as .25 miles to boat, and as far as 4 miles to the NW
N70 35 38.7 W147 38 43.0	NUK4_090603c	9:11PM	NUP2 whale
N70 35 02.6 W147 39 02.3	NUK4_090603	NA	Reported as the first sighting of the first whale of the day. Given distance from point “a” this seems unlikely—some error would seem to be involved.

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

Direction of initial search (and explanation):	Head NE where whales had been seen previously
Time spent actively scouting/# people looking:	5:19-8:18 PM
Time spent in travel/tow/assistance to other boats/on “break”:	8:18-9:31 PM assist; 9:31-11:50 PM tow
Notes:	Three NUK boats and the BO crew went out scouting right after “public” butchering of the previous whale was finished. Weather predicted to get much worse in near future, and has calmed down considerably. NAP crew went out a bit later. The BO and NUK crews went out separately, BO2 more north than BO1 and the NUK boats but they joined together when BO1 and NUK2 spotted a whale. The location of this whale was not marked by any boat. Tracks of all NUK boats were very similar. NUK2 track is incomplete, NUK3 and NUK4 more complete. Other boat records (NAP3 and NAP4, BO crew) should also be consulted. These boats spotted and lost several whales. All boats may have been chasing separate whales when they were called to assist with the whale struck by NAP2 (about 8:18 PM). See other boat reports. TOT 6:31, total distance 65.7 miles, FDFCI 17.2 miles.

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

Fog or clouds?		Weather notes:	Windy and choppy in morning, calming in afternoon; BP falling all day
Wind Direction:		Wind speed and other notes:	0-20 mph, calmest around 6PM – see WF
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:		Other notes on sea conditions:	
Other pertinent notes:	See weather station file		

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

Whale arrived just before midnight, butchering deferred until next day.

GPS track? Yes  GPS File Name: NUK4\_090603.mps  
 If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/07/03 Crew: Nukapigak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Nukapigak4	Aluminum	16' or 18'	Yamaha 90 HP	NA

Whaling today? No If not, why not? Butcher day, quota filled

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	Day spent in butchering. NAP2 whale measured as 40'1" but reduced to 39'1" due to bent tape. Slit 3'2", with sides of the "V" at end of slit each 13.5". End of "V" was 4" wide. Flukes were 13'7.5" wide. Whale was male.

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

Fog or clouds?	overcast	Weather notes:	Clear but very overcast, some drizzle, breeze increasing; BP falling all day
Wind Direction:		Wind speed and other notes:	5 to 17 mph
% Ice Coverage:	0	Ice Type:	
Wave Height:		Other Notes:	
Other pertinent notes:	See weather station file		

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

Butchering of last whale

GPS track? NA GPS File Name:

If not, why not?



ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/09/03 Crew: Nukapigak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Nukapigak4	Aluminum	16' or 18'	Yamaha 90 HP	2

Whaling today? No If not, why not? Return to Nuiqsut

Time departed: 2:17 PM Time returned: UNK

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	Travel back to Nuiqsut. Most crews decided to try to return to Nuiqsut, fearing that conditions would only get worse and they would be stuck on Cross Island due to weather. NAP crew stayed to finish some chores.

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

Fog or clouds?	clouds	Weather notes:	Windy and cool, very choppy with whitecaps, BP falling
Wind Direction:		Wind speed and other notes:	15-25 mph, falling when weather station taken down
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:		Other notes on sea conditions:	Very choppy, with whitecaps
Other pertinent notes:	Weather station dismantled		

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

Return to Nuiqsut

GPS track? NA GPS File Name:

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 08/29/03 Crew: Oyagak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Oyagak1	Fiberglass	18'	Yamaha 80 HP	3

<b>Whaling today?</b>	No	<b>If not, why not?</b>	Travel to Cross Island
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Time departed: 1:34 PM Time returned: 7:00 PM (at Cross Island)

Waypoints or Coordinates noted

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

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

<b>Direction of initial search (and explanation):</b>	
<b>Time spent actively scouting/# people looking:</b>	
<b>Time spent in travel/tow/assistance to other boats/on "break":</b>	
<b>Notes:</b>	BO2 experienced some engine problems (overheating) at the start but solved with some tweaking. Ahkiviana cabin on Cross Island still quite dirty (Napageak crew had cleaned up the worst of the polar bear mess and had restored some order, but could not work miracles) so we spent until 10:30 or so making it more habitable (clean floors and dishes, take out soiled bedding and replace with clean, fix up honey bucket room, and other "immediate need" fixes). Then cook and eat, watch videos until late (past when the researcher nodded off to sleep).

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

<b>Fog or clouds?</b>	No	<b>Weather notes:</b>	Fog around Oliktook Point
<b>Wind Direction:</b>		<b>Wind speed and other notes:</b>	15 to 20 knots
<b>% Ice Coverage:</b>	0	<b>Ice Type:</b>	
<b>Wave Height:</b>	3-5 feet	<b>Other notes on sea conditions:</b>	Choppy and rough, esp. near Oliktook
<b>Other pertinent notes:</b>	Weather station not installed as yet		

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

<b>Engaged in any other subsistence activities?</b>	No	<b>If yes, describe below</b>
Simply traveled to Cross Island		

GPS track? No GPS File Name:

<b>If not, why not?</b>	Followed track from previous year form Nuiqsut to Cross Island (used as a guide/reference)
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ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 08/30/03 Crew: Oyagak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Oyagak1	Fiberglass	18'	Yamaha 80 HP	NA

Whaling today? No If not, why not? Weather  
 Very windy and choppy

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):  
 Time spent actively scouting/# people looking:  
 Time spent in travel/tow/assistance to other boats/on "break":  
 Notes: Most crews used this day to work on floats and other equipment (including bombs). Time also spent on cleaning up cabins and other domestic chores.

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

Fog or clouds?	HCC	Weather notes:	Bright with some high cloud cover (HCC), BP 29.73 early afternoon and falling (low approx. 12PM) , temp. 37F
Wind Direction:	NE,ENE	Wind speed and other notes:	14-21+ mph, low about midnight, see weather file
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	3ft+	Other notes on sea conditions:	Very choppy
Other pertinent notes:	Weather station installed about 3:30 PM. Took several tries to find a good location for the data logger (to receive signals from all sensors). Rainfall gauge not installed.		

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 subsistence activities other than working on whaling equipment.

GPS track? NA GPS File Name:

If not, why not?



ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 08/31/03 Crew: Oyagak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Oyagak1	Fiberglass	18'	Yamaha 80 HP	

Whaling today? No If not, why not? Weather – foggy with some chop

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):  
 Time spent actively scouting/# people looking:  
 Time spent in travel/tow/assistance to other boats/on "break":  
 Notes: Day spent on domestic chores and helping with Napageak cabin project.

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

Fog or clouds?	Fog	Weather notes:	Temp. 35F, BP 29.79 and rising (peaks 3AM 9/01)
Wind Direction:	WNW	Wind speed and other notes:	0-18 mph, peaks 3PM – see WF
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	2-4 ft	Other notes on sea conditions:	Better than yesterday, still can't scout (can travel)
Other pertinent notes:	See weather station file		

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

Domestic activities, working on cabins, etc.

GPS track? NA GPS File Name:

If not, why not?

## ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/01/03 Crew: Oyagak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Oyagak1	Fiberglass	18'	Yamaha 80 HP	2

Whaling today?	Yes	If not, why not?	
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Time departed: 11:34 AM Time returned: 3:16 PM

3 hours 42 minutes

## Waypoints or Coordinates noted

Lat/Long	Way Point #	Time	Notes (if whale - # of animals, direction of travel, behavior)
			None marked, no narrative report
N70 33 55.5 W147 54 15.4	bo1_090103a	12:55 PM	Position at time of float attachment (in support)
N70 33 31.3 W147 56 11.1	bo1_090103b	1:48 PM	Position at time of kill (in support)

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

Direction of initial search (and explanation):	Went North – most boats fairly close together
Time spent actively scouting/# people looking:	11:34 – 12:55 (when IN put float on)
Time spent in travel/tow/assistance to other boats/on "break":	12:55-1:53 (kill), did not tow
Notes:	Track is very partial. Have points for initial north search, around where whale struck by IN crew, around where whale killed. BO2 assisted with the kill, putting in the 3 <sup>rd</sup> (and final) bomb. Only 3 boats participated in the tow (IN, NAP1, NAP2) due to short tow rope. TOT 3:42, about 24.4 miles total, FDFCI about 5.5 mi.

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

Fog or clouds?	A little	Weather notes:	Drizzly, with a little fog, BP 29.94 early, but falls all day
Wind Direction:	NNW	Wind speed and other notes:	0-20 mph, lowest 9AM, highest after 3PM – see WF
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	3-4ft	Other notes on sea conditions:	Conditions still somewhat marginal for scouting – choppy, maybe not predicted 3-4 foot seas
Other pertinent notes:	See weather station file		

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

Polar bear with cub observed on the far part of Cross Island after 7AM. By the end of the day at least 3 or 4 other polar bears were observed on the island, including a fight/spate between what the whalers believed was a male bear and the bear with the cub. During butchering or division of the whale shares polar bears were approaching the butcher site and had to be scared away by gunfire (no attempt to actually shoot them).

GPS track? Yes GPS File Name: BO1\_090103.mps

If not, why not? Partial track, no waypoints marked

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/02/03 Crew: Oyagak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Oyagak1	Fiberglass	18'	Yamaha 80 HP	2/2

Whaling today?	Yes	If not, why not?	Marginal conditions
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Time departed: 9:48 AM/6:10 PM Time returned: 10:53 AM/9:39 PM

1<sup>st</sup> trip 1 hour 5 minutes, 2<sup>nd</sup> trip 3 hours 29 minutes

Waypoints or Coordinates noted

Lat/Long	Way Point #	Time	Notes (if whale - # of animals, direction of travel, behavior)
			None marked, no narrative (but see BO2 report)

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

Direction of initial search (and explanation):	North for both trips – historically where whales often seen
Time spent actively scouting/# people looking:	9:48-10:10 AM; 10:20-10:40 PM; 6:10-9:09 PM – 2
Time spent in travel/tow/assistance to other boats/on "break":	10:10-10:26 AM 9:09-9:39 PM travel
Notes:	See BO2 daily boat report for details of the day. There was the track being looked at when this crew gave their commentary on the day's activity. All whales were seen in common with BO2. First trip of the day essentially the same for both BO boats – conditions marginal and both returned quickly. 2 <sup>nd</sup> trip spurred by (false) report of a whale sighting by NUK1. BO1 initially went further north than did BO2 and had a "loop" that was not explained – but went south when BO2 saw their first whale and called to them about it. ACS barge arrives on Cross Island a bit before 2PM, departs 2:20 PM – brings Mark Majors of ConocoPhillips & building supplies, takes away "fresh kill" for IN whale (IN had arranged for it to be flown to NQT as conditions were marginal for boat transport). First trip: TOT 1:05, total of 11.2 miles, FDFCI 2.3 miles; Second trip: TOT 3:29, total of 37.5 miles, FDFCI 12 miles

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

Fog or clouds?	cloudy	Weather notes:	Windy, cloudy, overcast, some fog – conditions improved later. BP falls until 3AM on 9/03
Wind Direction:	See WF	Wind speed and other notes:	Windy in morning (20 mph @ 3AM), calmed in afternoon (0 mph evening), then increased
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	6-7 feet	Other notes on sea conditions:	Very choppy in morning, calmed in afternoon
Other pertinent notes:	See weather station file		

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

At least 6 polar bear now on Cross Island – mother w/1 cub, mother w/2 cubs, 4 or 5 others (at least 1 presumed to be male)
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GPS track? Yes GPS File Name: BO1\_090203.mps

If not, why not?
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ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/03/03 Crew: Oyagak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Oyagak1	Fiberglass	18'	Yamaha 80 HP	NA

Whaling today? No If not, why not? Weather – windy and chilly

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	Crew up early and prepares to go out BUT never does (NUK2 and NUK3 out briefly) – wind continues all day and seas too high (reported to be worst near Cross Island). People work on cabins or do other chores. Boats taken up out of water due to probable high winds and waves. ASC barge comes to Cross Island with John Whitehead (VP ConocoPhillips). NAP3 does a little duck hunting and makes a trip to West Dock for packages, but deemed too rough for scouting – see NAP3

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

Fog or clouds?	overcast	Weather notes:	Windy and chilly all day, some breaks of sun, BP rising all day
Wind Direction:	See WF	Wind speed and other notes:	Windy – varies through day, see WF (low to 25 mph) – increases mostly through the day
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	5+ feet	Other notes on sea conditions:	Choppy – can travel BUT not pleasant
Other pertinent notes:	See weather station file		

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

Engaged in Cross Island chores. NAP3 did a little duck hunting (none harvested)

GPS track? NA GPS File Name:

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/04/03 Crew: Oyagak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Oyagak1	Fiberglass	18'	Yamaha 80 HP	NA

Whaling today? No If not, why not? Very windy, cloudy and overcast, some rain

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	Work on gear for whaling, do work on cabins, do other domestic chores. NUK2 makes a trip to West Dock for some packages BUT too rough for scouting – reported to be VERY rough and their boat was watched for as long as it was visible

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

Fog or clouds?	overcast	Weather notes:	Very windy, cloudy and overcast, some rain; BP rising all day
Wind Direction:	See WF	Wind speed and other notes:	30+ mph, varies through day, see WF (6 to 33 mph)
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	high	Other notes on sea conditions:	Extreme white caps, no boats out to look
Other pertinent notes:	See weather station file		

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

As on previous days, confined to on-island activities (and 1 boat trip to West Dock)

GPS track? NA GPS File Name:

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/05/03 Crew: Oyagak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Oyagak1	Fiberglass	18'	Yamaha 80 HP	2

Whaling today? Yes If not, why not?

Time departed: 6:06 AM Time returned: 3:12 PM

9 hours 6 minutes

Waypoints or Coordinates noted

Lat/Long	Way Point #	Time	Notes (if whale - # of animals, direction of travel, behavior)
			None marked by the crew
N70 34 01.5 W147 23 32.3	bo1_090503a	9:55 AM	Position when BO advised them to go for a "hard" shot (a chest shot) on the NAP whale, as it was still strong even with several bombs already delivered to the normal kill area

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

<b>Direction of initial search (and explanation):</b>	North – where whales had been seen, boats stay together
<b>Time spent actively scouting/# people looking:</b>	Complicated – see IN and NAP reports for timing, also BO2
<b>Time spent in travel/tow/assistance to other boats/on "break":</b>	
<b>Notes:</b>	No detailed account received from this boat, probably due to the need to butcher two whales and talk with those captains in more detail. Most of the movements of this boat (and BO2) seem to have been in response to helping other boats or when following whales. See BO2 daily report form for movements of these boats. TOT 9:06, total of about 53 miles, FDFCI about 15 mils.

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

<b>Fog or clouds?</b>	clouds	<b>Weather notes:</b>	Trying to snow, temperature in the 30s; BP peaks at 3PM @ 29.8 and then falls
<b>Wind Direction:</b>	SW	<b>Wind speed and other notes:</b>	Varies – 0 to 18 mph – see WF
<b>% Ice Coverage:</b>	0	<b>Ice Type:</b>	
<b>Wave Height:</b>		<b>Other Notes:</b>	
<b>Other pertinent notes:</b>	See weather station file		

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

Other crews landed 2 whales and all crews participated in butchering

GPS track? Yes GPS File Name: BO1\_090503.mps

If not, why not? GPS left on after return to Cross Island but return time fairly obvious

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/06/03 Crew: Oyagak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Oyagak1	Fiberglass	18'	Yamaha 80 HP	3

Whaling today? Yes If not, why not?

Time departed: 5:46 PM Time returned: 11:50 PM

6 hours 4 minutes

Waypoints or Coordinates noted

Lat/Long	Way Point #	Time	Notes (if whale - # of animals, direction of travel, behavior)
			None marked by the crew – all derived from crew accounts
N70 44 06.0 W147 52 02.4	BO1_090603a	7:26 PM	Area where whale(s) seen and looked for
N70 43 49.0 W147 56 31.4	BO1_090603b	8:36 PM	Following at least 2 whales – radio report/communication
N70 41 27.4 W148 00 11.6	BO1_090603c	8:12 PM	Radio report of bigger blows than before (may be different)
N70 41 17.0 W148 00 43.0	BO1_090603d	8:17 PM	Position when NAP2 struck whale, they went to assist
N70 36 25.6 W147 41 53.8	BO1_090603e	8:38 PM	Position when radio announcement of killed whale
N70 35 37.3 W147 38 45.9	BO1_090603f	9:31 PM	Approximate start of tow

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

Direction of initial search (and explanation):	Head north where whales had been seen previously
Time spent actively scouting/# people looking:	7:26-8:38 PM
Time spent in travel/tow/assistance to other boats/on "break":	8:17-9:31 PM assist; 9:31-11:50 PM tow
Notes:	NUK and BO crews went out scouting right after "public" butchering of the previous whale was finished. Weather predicted to get much worse in near future, and has calmed down considerably. NAP crew goes out a bit later. The BO and NUK crews scouted separately, then met when BO1 and NAP? Spotted a whale and followed it NW. Lost it (see BO2 track) and looked together and were actively following a whale when they were called to assist with the whale NAP2 had struck. See also BO2 report. TOT 6:04, total of about 52 miles, FDFCI 17 miles.

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

Fog or clouds?		Weather notes:	Windy and choppy in morning, calming in afternoon; BP falling all day
Wind Direction:		Wind speed and other notes:	0-20 mph, calmest around 6PM – see WF
% Ice Coverage:	0	Ice Type:	
Wave Height:		Other Notes:	
Other pertinent notes:	See weather station file		

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

Whale arrived just before midnight, butchering deferred until next day.

GPS track? Yes GPS File Name: BO1\_090603.mps

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/07/03 Crew: Oyagak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Oyagak1	Fiberglass	18'	Yamaha 80 HP	NA

Whaling today? No If not, why not? Butcher day, quota filled

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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): \_\_\_\_\_  
 Time spent actively scouting/# people looking: \_\_\_\_\_  
 Time spent in travel/tow/assistance to other boats/on "break": \_\_\_\_\_  
 Notes: Day spent in butchering. NAP2 whale measured as 40'1" but reduced to 39'1" due to bent tape. Slit 3'2", with sides of the "V" at end of slit each 13.5". End of "V" was 4" wide. Flukes were 13'7.5" wide. Whale was male.

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

Fog or clouds?	overcast	Weather notes:	Clear but very overcast, some drizzle, breeze increasing; BP falling all day
Wind Direction:		Wind speed and other notes:	5 to 17 mph
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:		Other notes on sea conditions:	
Other pertinent notes:	See weather station file		

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

Butchering of last whale

GPS track? NA GPS File Name:

If not, why not? \_\_\_\_\_



ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/08/03 Crew: Oyagak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Oyagak1	Fiberglass	18'	Yamaha 80 HP	NA

Whaling today? NO If not, why not? Preparing to return to Nuiqsut

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):  
 Time spent actively scouting/# people looking:  
 Time spent in travel/tow/assistance to other boats/on "break":  
 Notes: Mainly preparing for departure to Nuiqsut

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

Fog or clouds?	overcast	Weather notes:	Overcast with later breaks of sun, some rain and snow, windy; BP increasing all day (peaks at 3AM on 9/09)
Wind Direction:		Wind speed and other notes:	20+ mph, peak of 35 mph, low of 5 mph – see WF
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:		Other notes on sea conditions:	Very choppy
Other pertinent notes:	See weather station file		

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

Butcher whale and divide shares

GPS track? NA GPS File Name:

If not, why not?



ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 08/29/03 Crew: Oyagak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Oyagak2	Fiberglass	20'	Yamaha 150 HP	4

Whaling today?  No **If not, why not?**

Time departed: 1:34 PM Time returned: 7:00 PM (at Cross Island)

5 hours 26 minutes to Cross Island

Waypoints or Coordinates noted

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

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

<b>Direction of initial search (and explanation):</b>	
<b>Time spent actively scouting/# people looking:</b>	
<b>Time spent in travel/tow/assistance to other boats/on "break":</b>	
<b>Notes:</b>	Experienced some engine problems (overheating) at the start but solved with some tweaking. Ahkiviana cabin on Cross Island still quite dirty (Napageak crew had cleaned up the worst of the polar bear mess and had restored some order, but could not work miracles) so we spent until 10:30 or so making it more habitable (clean floors and dishes, take out soiled bedding and replace with clean, fix up honey bucket room, and other "immediate need" fixes). Then cook and eat, watch videos until late (past when the researcher nodded off to sleep).

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

<b>Fog or clouds?</b>	No	<b>Weather notes:</b>	Fog around Oliktook Point
<b>Wind Direction:</b>		<b>Wind speed and other notes:</b>	15 to 20 knots
<b>% Ice Coverage:</b>	0	<b>Ice Type:</b>	
<b>Wave Height:</b>	3-5 feet	<b>Other notes on sea conditions:</b>	Choppy and rough, esp. near Oliktook
<b>Other pertinent notes:</b>	Weather station not installed as yet		

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**

Simply traveled to Cross Island

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

**If not, why not?**



ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 08/31/03 Crew: Oyagak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Oyagak2	Fiberglass	20'	Yamaha 150 HP	NA

Whaling today? No If not, why not? Weather – foggy with some chop

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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): \_\_\_\_\_  
 Time spent actively scouting/# people looking: \_\_\_\_\_  
 Time spent in travel/tow/assistance to other boats/on "break?": \_\_\_\_\_  
 Notes: Day spent on domestic chores and helping with Napageak cabin project.

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

Fog or clouds?	Fog	Weather notes:	Temp. 35F, BP 29.79 and rising (peaks 3AM 9/01)
Wind Direction:	WNW	Wind speed and other notes:	0-18 mph, peaks 3PM – see WF
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	2-4 ft	Other notes on sea conditions:	Better than yesterday, still can't scout (can travel)
Other pertinent notes:	See weather station file		

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

Domestic activities, working on cabins, etc.

GPS track? NA GPS File Name:

If not, why not? \_\_\_\_\_

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/01/03 Crew: Oyagak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Oyagak2	Fiberglass	20'	Yamaha 150 HP	4

Whaling today? Yes      If not, why not?

Time departed: 11:33 AM Time returned: 3:06 PM

3 hours 33 minutes

Waypoints or Coordinates noted

Lat/Long	Way Point #	Time	Notes (if whale - # of animals, direction of travel, behavior)
			None marked, no narrative report
N70 33 35.9 W147 55 29.3	BO2_090103a	1:20 PM	Marked during whale chase
N70 33 50.8 W147 54 22.9	bo2_090103b	12:55 PM	Position at time of float attachment (in support)
N70 33 31.6 W147 56 08.1	bo2_090103c	1:48 PM	Position at time of kill (in support)

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

<b>Direction of initial search (and explanation):</b>	Went North – most boats fairly close together
<b>Time spent actively scouting/# people looking:</b>	11:34 – 12:55 (when IN put float on)
<b>Time spent in travel/tow/assistance to other boats/on "break":</b>	12:55-1:53 (kill), did not tow
<b>Notes:</b>	BO2 initially headed north of Cross Island, but went to meet IN crew around waypoint [@IN@], both looked around a bit more, and BO2 helped IN crew follow a whale they saw. BO2 assisted with the chase and the kill, putting in the 3 <sup>rd</sup> (and final) bomb. This crew only marked one waypoint during the chase. Two waypoints were generated for reference. Only 3 boats participated in the tow (IN, NAP1, NAP2) due to short tow rope. TOT 3:33, about 24.4 miles total, FDFCI about 5.5 miles.

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

<b>Fog or clouds?</b>	A little	<b>Weather notes:</b>	Drizzly, with a little fog, BP 29.94 early, but falls all day
<b>Wind Direction:</b>	NNW	<b>Wind speed and other notes:</b>	0-20 mph, lowest 9AM, highest after 3PM – see WF
<b>% Ice Coverage:</b>	0	<b>Ice Type:</b>	
<b>Wave Height:</b>	3-4ft	<b>Other notes on sea conditions:</b>	Conditions still somewhat marginal for scouting – choppy, maybe not predicted 3-4 foot seas
<b>Other pertinent notes:</b>	See weather station file		

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

Polar bear with cub observed on the far part of Cross Island after 7AM. By the end of the day at least 3 or 4 other polar bears were observed on the island, including a fight/spate between what the whalers believed was a male bear and the bear with the cub. During butchering or division of the whale shares polar bears were approaching the butcher site and had to be scared away by gunfire (no attempt to actually shoot them).

GPS track? Yes      GPS File Name: BO2\_090103.mps

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/02/03 Crew: Oyagak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Oyagak2	Fiberglass	20'	Yamaha 150 HP	3/4

Whaling today?	Yes	If not, why not?	Marginal conditions
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Time departed: 9:55 AM/6:07 PM Time returned: 10:53 AM/9:42 PM

1<sup>st</sup> trip 58 minutes, 2<sup>nd</sup> trip 3 hours 35 minutes

Waypoints or Coordinates noted

Lat/Long	Way Point #	Time	Notes (if whale - # of animals, direction of travel, behavior)
			None marked, no narrative (but see BO2 report)
Not marked	Not marked	Not noted	Big blow (10 ft), but never saw whale
N70 33 02.5 W147 35 27.8	bo2_090203b	7:45 PM	Saw whale, 30-33', chased it. 2 smaller whales in front of it, maybe 1 mile
N70 31 51.2 W147 29 18.1	BO2_090203a	8:09 PM	Missed strike on above whale

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

Direction of initial search (and explanation):	North for both trips – historically where whales often seen
Time spent actively scouting/# people looking:	9:48-10:10 AM; 10:20-10:40 AM; 6:10-9:09 PM – 4
Time spent in travel/tow/assistance to other boats/on "break":	10:10-10:20 AM 9:09-9:39 PM travel
Notes:	All but first whale seen in common with BO1. First trip of the day essentially the same for both BO boats – conditions were marginal and both returned quickly. 2 <sup>nd</sup> trip spurred by (false) report of a whale sighting by NUK1 and calm conditions. BO1 initially went further north than did BO2 and had a "loop" that was not explained – but went south when BO2 saw their first whale and called to them about it. They only saw the blow for this whale, est. at 10 feet (a large whale). They followed (or rather, looked for) this whale to the south but did not see it or its blow again. Then turned north and saw another whale, "good-sized" at 30-33' and very round. Were 2 smaller whales in front of it. They lost this whale several times, but found it again. They had a very good chance at striking it but missed (marked as BO2_090203a). ACS barge arrives on Cross Island a bit before 2PM, departs 2:20 PM – brings Mark Majors of ConocoPhillips & building supplies, takes away "fresh kill" for IN whale (IN had arranged for it to be flown to NQT as conditions were marginal for boat transport). First trip: TOT 0:58, total of 8.05 miles, FDFCI 2.2 miles; second trip: TOT 3:35, total of 34.4 miles, FDFCI 12.4 miles

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

Fog or clouds?	cloudy	Weather notes:	Windy, cloudy, overcast, some fog – conditions improved later. BP falls until 3AM on 9/03
Wind Direction:	See WF	Wind speed and other notes:	Windy in morning (20 mph @ 3AM), calmed in afternoon (0 mph evening), then increased
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:	6-7 feet	Other notes on sea conditions:	Very choppy in morning, calmed in afternoon
Other pertinent notes:	See weather station file		

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

At least 6 polar bear now on Cross Island – mother w/1 cub, mother w/2 cubs, 4 or 5 others (at least 1 presumed to be male)

GPS track? Yes GPS File Name: BO2\_090203.mps

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/03/03 Crew: Oyagak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Oyagak2	Fiberglass	20'	Yamaha 150 HP	NA

Whaling today? No If not, why not? Weather – windy and chilly

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

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

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

<b>Direction of initial search (and explanation):</b>	
<b>Time spent actively scouting/# people looking:</b>	
<b>Time spent in travel/tow/assistance to other boats/on "break":</b>	
<b>Notes:</b>	Crew up early and prepares to go out BUT never does (NUK2 and NUK3 out briefly) – wind continues all day and seas too high (reported to be worst near Cross Island). People work on cabins or do other chores. Boats taken up out of water due to probable high winds and waves. ASC barge comes to Cross Island with John Whitehead (VP ConocoPhillips). NAP3 does a little duck hunting and makes a trip to West Dock for packages, but deemed too rough for scouting – see NAP3

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

<b>Fog or clouds?</b>	overcast	<b>Weather notes:</b>	Windy and chilly all day, some breaks of sun, BP rising all day
<b>Wind Direction:</b>	See WF	<b>Wind speed and other notes:</b>	Windy – varies through day, see WF (low to 25 mph) – increases mostly through the day
<b>% Ice Coverage:</b>	0	<b>Ice Type:</b>	<b>Other Notes:</b>
<b>Wave Height:</b>	5+ feet	<b>Other notes on sea conditions:</b>	Choppy – can travel BUT not pleasant
<b>Other pertinent notes:</b>	See weather station file		

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

Engaged in Cross Island chores. NAP3 did a little duck hunting (none harvested)

GPS track? NA GPS File Name:

If not, why not?





ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/05/03 Crew: Oyagak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Oyagak2	Fiberglass	20'	Yamaha 150 HP	3

Whaling today? Yes If not, why not? \_\_\_\_\_

Time departed: 6:06 AM Time returned: 3:12 PM

9 hours 6 minutes

Waypoints or Coordinates noted

Lat/Long	Way Point #	Time	Notes (if whale - # of animals, direction of travel, behavior)
N70 31 58.1 W147 50 17.6	bo2_090503a	6:23 AM	Position where BO2 slowed markedly, usually indicating sighting a whale or increased search effort
N70 33 08.8 W147 37 23.9	bo2_090503b	7:07 AM	Position where BO2 increased speed and changed direction to join IN crew, clearly in response to someone [NAP2?] spotting a whale
N70 29 28.1 W147 35 16.1	bo2_090503c	7:14 AM	Position where BO2 slows again, to join in chase of ON whale – very close to position as where IN marked whale (reported to be strike – more likely marks a sighting)
N70 29 32.9 W147 31 55.0	bo2_090503d	7:25-7:33 AM	Area of probable strike area for IN whale – BO2 in the area 7:25-7:33 AM, then leaves to scout for more whales
N70 32 14.9 W147 29 46.5	bo2_090503e	8:02 AM	Area where NAP3 whale may have been 1 <sup>st</sup> seen - by BO2?
N70 31 51.2 W147 29 18.1	BO2_090503f	NA	Reference point for this whale?
N70 31 46.0 W147 26 50.9	bo2_090503g	8:06 AM	Likely location of initial NAP3 strike (harpoon/no bomb)
N70 31 46.3 W147 25 11.0	BO2_090503h	8:24 AM	Chasing NAP3 whale – many bombs put into this whale. May be the area of the initial strike (harpoon/no bomb)
N70 34 00.1 W147 23 36.7	bo2_090503i	9:55 AM	Chasing NAP3 whale, near the end – one of the last shots

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

Direction of initial search (and explanation):	North – where whales had been seen, boats stay together
Time spent actively scouting/# people looking:	Complicated – see IN and NAP reports for timing, also BO2
Time spent in travel/tow/assistance to other boats/on "break":	10AM-3:12PM (tow 11:18AM-3:12PM)
Notes:	No detailed account received from this boat in total, probably due to the need to butcher two whales and talk with those captains in more detail. Most of the movements of this boat (and BO1) seem to have been in response to helping other boats or when following whales. Initially went north and west and may have seen a whale. Soon called to assist in chasing IN whale. After IN made the strike on this whale, all boats except NAP2 left to continue scouting. BO2 spotted a whale not far to the north, and NAP3 made a strike (lance or harpoon only – no bomb). All boats except IN, NAP1, NUK2, and NUK3 helped in the chase, kill, and tow. See IAN, NAP3 reports. TOT 9:06, total of 53.2 miles, FDFCI about 15.3 miles.

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

Fog or clouds?	Clouds	Weather notes:	Trying to snow, temperature in the 30s; BP peaks at 3PM @ 29.8 and then falls
Wind Direction:	SW	Wind speed and other notes:	Varies – 0 to 18 mph – see WF
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:		Other notes on sea conditions:	
Other pertinent notes:	See weather station file		

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  
 Other crews landed 2 whales and all crews participated in butchering

GPS track? Yes GPS File Name: BO2\_090503.mps  
 If not, why not? \_\_\_\_\_

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/06/03 Crew: Oyagak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Oyagak2	Fiberglass	20'	Yamaha 150 HP	2

Whaling today? Yes If not, why not?

Time departed: 5:30/5:42 PM Time returned: 11:51 PM

6 hours 9 minutes

Waypoints or Coordinates noted

Lat/Long	Way Point #	Time	Notes (if whale - # of animals, direction of travel, behavior)
N70 33 29.1 W147 58 24.2	bo2_090603a	5:55 PM	BO2 position when they slowed and turned NE to scout for whale spotted by BO1 and NUK2
N70 36 04.6 W147 49 04.0	bo2_090603b	6:34 PM	BO2 position when they gave up on this whale
N70 40 30.6 W147 42 01.1	BO2_090603c	6:59 PM	Whale spotted – may have been same as NUK2 followed
N70 43 14.1 W147 48 57.5	BO2_090603d	7:15 PM	Different whale, somewhat smaller – lose it quickly
N70 43 47.7 W147 56 04.3	BO2_090603e	7:35 PM	Two more different whales, 1 medium-sized and 1 smaller. Saw about 5 other blows in this area as well.
N70 41 16.3 W148 00 09.8	bo2_090603f	8:17 PM	BO2 position (chasing whale) when called to assist NAP2
N70 35 38.1 W147 38 45.5	BO2_090603g	9:25 PM	NAP2 whale (harvest location) – arrived to assist with the chase about 8:40 PM

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

Direction of initial search (and explanation):	Head north where whales had been seen previously
Time spent actively scouting/# people looking:	7:26-8:38 PM
Time spent in travel/tow/assistance to other boats/on "break":	8:17-9:31 PM assist; 9:31-11:50 PM tow
Notes:	NUK and BO crews went out scouting right after "public" butchering of the previous whale was finished. Weather predicted to get much worse in near future, and has calmed down considerably. NAP crew went out a bit later. The BO and NUK crews went out separately, BO2 more north than BO1 and the NUK boats but they joined together when BO1 and NUK2 spotted a whale. The location of this whale was not marked by any boat, but BO2 scouted for it in the area between waypoints bo2_090606a and bo_090603b (when it was at slower "scouting" speed). Unclear whether BO2 saw this whale. BO2 then at high speed until close to waypoint BO2_090603c. Spotted and lost several whales as above. All boats may have been chasing separate whales at waypoint BO2_090603e (in that area – several whales there) when they were called to assist with the whale struck by NAP2 (about 8:18 PM). See other boat reports. TOT 6:09, total of about 56.75 miles, FDFCI 17.2 miles

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

Fog or clouds?		Weather notes:	Windy and choppy in morning, calming in afternoon; BP falling all day
Wind Direction:		Wind speed and other notes:	0-20 mph, calmest around 6PM – see WF
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:		Other notes on sea conditions:	
Other pertinent notes:	See weather station file		

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

Whale arrived just before midnight, butchering deferred until next day.

GPS track? Yes GPS File Name: BO2\_090603.mps

If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/07/03 Crew: Oyagak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Oyagak2	Fiberglass	20'	Yamaha 150 HP	NA

Whaling today? No If not, why not? Butcher day, quota filled

Time departed: NA Time returned: NA

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	Day spent in butchering. NAP2 whale measured as 40'1" but reduced to 39'1" due to bent tape. Slit 3'2", with sides of the "V" at end of slit each 13.5". End of "V" was 4" wide. Flukes were 13'7.5" wide. Whale was male.

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

Fog or clouds?	overcast	Weather notes:	Clear but very overcast, some drizzle, breeze increasing; BP falling all day
Wind Direction:		Wind speed and other notes:	5 to 17 mph
% Ice Coverage:	0	Ice Type:	
Wave Height:		Other Notes:	
Other pertinent notes:	See weather station file		

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

Butchering of last whale

GPS track? NA GPS File Name:

If not, why not?



ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

Date: 09/09/03 Crew: Oyagak GPS Type: Garmin 12

Vessel	Type	Length	HP Motor	# crew aboard/notes
Oyagak2	Fiberglass	20'	Yamaha 150 HP	3

Whaling today? No If not, why not? Return to Nuiqsut

Time departed: 3:37 PM Time returned: UNK

Waypoints or Coordinates noted

Lat/Long	Way Point #	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):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/on "break":	
Notes:	Travel back to Nuiqsut. Most crews decided to try to return to Nuiqsut, fearing that conditions would only get worse and they would be stuck on Cross Island due to weather. NAP crew stayed to finish some chores.

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

Fog or clouds?	clouds	Weather notes:	Windy and cool, very choppy with whitecaps, BP falling
Wind Direction:		Wind speed and other notes:	15-25 mph, falling when weather station taken down
% Ice Coverage:	0	Ice Type:	Other Notes:
Wave Height:		Other notes on sea conditions:	Very choppy, with whitecaps
Other pertinent notes:	Weather station dismantled		

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

Return to Nuiqsut

GPS track? NA GPS File Name:

If not, why not?