# Appendix B

# Daily Boat Report Forms Cross Island Whaling, 2003

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

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Use one form for each vessel/day

Date: 08/29/03	Crew: Aqargiun		GPS Type:		Garmin 12		
Vessel	Туре	Length	HI	P Motor		# crew aboard/notes	
IAN	Fiberglass	20'	Yamaha 125 HP			4	
Whaling today?	No	If not, why	v not?	Travel to Cre	oss 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	on of initial search (and explanation):		
Time sp	pent actively scouting/# people looking:		
Time sp	pent in travel/tow/assistance to other boats/o	on "break":	
Notes:	Times are approximate, but traveled with BO	1 and BO2 boats f	or the most part. Moved into their cabin and
	began to work on preparing whaling equipme	nt.	

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

Fog or clouds?	No	Weathe	Weather notes: Fog around Oliktook Point			
Wind Direction:		Wind speed and other notes:		15 to 20 knots		
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>	
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 Da	ta Collection I	Form, 2003		Use one	form for each vessel/day
Date: 08/30/03	Crew:	Aqargiun	GI	PS Type:	Garmin 12
Vessel	Туре	Length	HP Motor	# c	rew aboard/notes
IAN	Fiberglass	20'	Yamaha 125 HP		NA
Whaling today? Very windy and chopp	No	If not, why	y not? Weather		
Time departed: <u>NA</u>			Time returned:		
Lat/Long	Way Point #	Waypoin Time	ts or Coordinates not Notes (if whole #		ection of travel, behavior)
	way rollit #		Notes (if whate - #	or annuals, un c	ccuoii or travel, benavior)

Direction	on of initial search (and explanation):			
Time sp	pent actively scouting/# people looking:			
Time s	pent in travel/tow/assistance to other boats/o	on "break":		
Notes:	Most crews used this day to work on floats	and other equipm	ment (including bombs). Time als	so spent on
	cleaning up cabins and other domestic chores			

· · · · · · · · · · · · · · · · · · ·							
Fog or clouds?	HCC	Weather notes: Bright with		ht with some high cloud cover (HCC), BP 29.73 early			
			afternoon and falling (low approx. 12PM), temp. 37F			approx. 12PM), temp. 37F	
Wind Direction:	NE,ENE	Wind speed and other notes:		her notes:	14-21+ mph, low about midnight, see weather file		
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>		
Wave Height:	3ft+	Other not	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	or the data logger (to receive signals from all sensors). Rainfall gauge not installed.				

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

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 whalin			

#### GPS track? NA GPS File Name:

ANIMIDA Task 4 Data Collection Form, 2003				Use one form for each vessel/day			
Date: 08/31/03	Crew:	Aqargiun	Gl	PS Type:	Garmin 12		
Vessel	Туре	Length	HP Motor	# c	rew aboard/notes		
IAN	Fiberglass	20'	Yamaha 125 HP		NA		
Whaling today?	No	If not, why	<b>y not?</b> Weather – fog	ggy with some	chop		
Time departed	: NA	-	Time returned:	NA			
		Waypoin	ts or Coordinates no				
Lat/Long	Way Point #	Time		of animals, dire	ection of travel, behavior)		
		ľ	NA				
	Describe the	day's activity	y (traveling, hours se	arching for wl	hales)		
Direction of initial s			_				
Time spent actively		0					
Time spent in trave							
Notes: Day spent or	domestic chores	s and helping	with Napageak cabin	project.			

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

Fog or clouds?	Fog	Weathe	Weather notes: Temp. 35F, B			rising (peaks 3AM 9/01)		
Wind Direction:	WNW	Wind spe	Wind speed and other notes:			0-18 mph, peaks 3PM – see WF		
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>			
Wave Height:	2-4 ft	Other no	Other notes on sea conditions:			esterday, 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:

ANIMIDA Task 4 Data Collection Form, 2003								Use	e one for	m for each ves	sel/day
Da	te: <u>09/01/03</u>		Crew:	Aqar	giun		G	PS Type:_		Garmin 12	
	Vessel	,	Туре	Le	ngth	HP Moto	r		# crew	aboard/notes	
	IAN	Fil	berglass		20'	Yamaha 125	HP			4	
Wha	ling today?		Yes	If n	ot, why r	not?					
 Ti	me departed:	11:16	5 AM	_		Time retu		3:31 PM		_	
				***		urs 15 minut					
	T = 4/T = = =		XV D-*			or Coordina			ala dinaa	tion of two wall he	h a mi a m)
N70 22	Lat/Long	22.0	Way Poi		Time				,	tion of travel, b	-
	26.1 W147 55						U			that they could the whale, but	
11/0 33	02.8 W147 55	04.0	IAN_090	1030	12.30 FN	-				robably where	
						saw the wh		s are meon	Sistent. I	robubly where	uney mist
N70 33	51.2 W147 54	21.1	ian_0901	03c	12:55 PN	A Likely coo		es for what	le strike		
N70 33	31.8 W147 56	07.7	IAN_090	103d						lled	
			L	engtl	n 26'1",	tail flukes	7'10'	", male			
		Desc	cribe the (	day's	activity (	traveling, ho	urs se	earching fo	or whale	s)	
Direction	on of initial se	arch	(and expl	anatio	on):	Headed east	and t	hen north t	to prior w	vhale sighting	
-	pent actively s				0	11:34 - 12:5					
	pent in travel/								· //	:48-3:31 (tow)	
Notes:										were called by a	
										other boat about – 1 behind them	
										n, which they ch	
										al moment and th	
	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 unde										
	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 no										
										in misfired. What	
	again for about	15 m	ninutes. Ag	ain flo	at moved,	, but not a gre	at dista	ance. When	it came	up NAP1 boat s	hot it with
										third darting gun	
										short tow rope. ail flukes 7'10";	
L	total of at least 1	20.0 H	inco, i DIC		mes, suik	C 5.2 IVII CI, KI	11 <b>-</b> . / I		ic 20 1 , t	un nuces / 10 ,	mult.

**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:			<b>Other Notes:</b>		
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 fi	ight/spate betweer	what the whalers believed was a male bear
and the bear with the cub. During butchering or divisi	on of the whale sh	nares polar bears were approaching the
butcher site and had to be scared away by gunfire (no	attempt to actuall	y shoot them).
CDS treads? Vec. CDS File Norman, IAN 000102 m		

GPS track? Yes GPS File Name: IAN\_090103.mps
If not, why not?

ANIMIDA Task 4 Data Collection Form, 2003						Use	e one form for each vessel/day	
Date: 09/02/03	3	Crew: A	Aqargiun		GPS Type: Garmin 12			
Vessel	Т	уре	Length	HP M	otor		# crew aboard/notes	
IAN	Fibe	erglass	20'	Yamaha	125 HP		NA	
Whaling today?		No	If not, why	<b>not?</b> Mar	ginal cor	nditions, ne	ed to complete butchering	
Time departe	Time departed: NA   Time returned: NA							
			Waypoint	s or Coord	inates no	oted		
Lat/Long	ľ	Way Point	t# Tim	e Notes	s (if whale	e - # of anim	als, direction of travel, behavior)	
				NA				
			y's activity	(traveling	hours se	earching fo	or whales)	
Direction of initial		-	,					
Time spent actively	·		0			·····		
Time spent in trav	el/tow/as	sistance to	o other boat	ts/on "brea	k":			
Notes:								
			e 1171 11 - 7	~	41		1	
	1		f Whaling (					
Fog or clouds?	cloudy	Weath	er notes:	BP falls ur			e fog – conditions improved later.	
Wind Direction:	See WF	Wind sn	eed and of				(20 mph @ 3AM), calmed in	
		WF Wind speed and other notes:				0	vening), then increased	
% Ice Coverage:	0	Ice Type:	:		Other N			
Wave Height:	6-7 feet							
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:

ANIMIDA Task 4 D	ata Collection I	Form, 2003		Use one	e form for each vessel/day			
<b>Date:</b> <u>09/03/03</u>	Crew:	Aqargiun	Gl	PS Type:	Garmin 12			
Vessel	Туре	Length	HP Motor	# c	crew aboard/notes			
IAN	Fiberglass	20'	Yamaha 125 HP		NA			
Whaling today?	Whaling today?     No     If not, why not?     Weather – windy and chilly							
Time departed	NA		Time returned:	NA				
	-	Waypoi	nts or Coordinates no	ted				
Lat/Long	Way Point #	Time	Notes (if whale - #	of animals, dir	ection of travel, behavior)			
			None					

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

Directi	on of initial search (and explanation):					
Time s	pent actively scouting/# people looking:					
Time s	pent in travel/tow/assistance to other boats/o	on "break":				
	Wind continues all day and seas too high (rep					
	do other chores. Boats taken up out of water	due to probable l	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 pa	ckages, but deeme	ed too rough for scouting – see NAP3			

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

Observations of vitaling orew weather, see suice, ree conditions								
Fog or clouds?	overcast	Weather	notes:	Windy and	chilly all day, s	ome breaks of sun, BP rising all day		
Wind Direction:	See WF	Wind spee	d and ot	ther notes:	Windy – varies	through day, see WF (low to 25		
					mph) - increase	es mostly through the day		
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>			
Wave Height:	5+ feet	Other note	Other notes on sea conditions: Choppy – can travel BUT not pleasant					
Other pertinent	See weather	See weather station file						

**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 (nor	ne harvested)	

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

		,				v		
Date: 09/04/03	Crew:	Aqargiun	G	PS Type:	Garmin 12			
Vessel	Туре	Length	HP Motor	# ci	rew 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				

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)

Directi	on of initial search (and explanation):			
Time s	pent actively scouting/# people looking:			
Time s	pent in travel/tow/assistance to other boats/o	on "break":		
Notes:	Work on gear for whaling, do work on cabing	s, do other domest	ic chores. NUK2 mal	kes a trip to West Dock
	for some packages BUT too rough for scouti	ing - reported to l	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	r notes:	Very wind	Very windy, cloudy and overcast, some rain; BP rising all day			
Wind Direction:	See WF	Wind spe	<b>ind speed and other notes:</b> 30+ mph, varies through day, see WF (6 to 33 mph)					
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>			
Wave Height:	high	Other not	tes on sea	conditions	Extreme whit	e caps, no boats out to look		
Other pertinent notes: See weather station f			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	d 1 boat tri	p to West Dock)

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

Use one form for each vessel/day

<b>Date:</b> 09/05/	03	Crew: A	Aqargiun		6	PS Type:	Garmin 12
Vessel		Туре	Length	HP M	otor	# cr	ew aboard/notes
IAN	I	Fiberglass	20'	Yamaha	125 HP		4
Whaling today	?	Yes	If not, why	y not?		•	
Time depar		)6 AM			eturned	: 11:03 AM	
•			41	hours 57 mi			
			Waypoin	ts or Coord	inates n	oted	
Lat/Long		Way Point #	<sup>1</sup> Time	Notes (ii	f whale -	# of animals, dire	ction of travel, behavior)
N70 32 17.7 W147	46 46.9	ian_090503a					nales because NAP2 had seen somewhat more than 1 mile.
N70 31 39.7 W147	35 02.0	ian_090503b				sumed "traveling" NAP2 was followi	speed – possibly because they ng.
N70 29 29.2 W147	35 21.6	IAN_090503c	7:13 AM	Reported as p	osition L	AN struck the whal	e. It is more consistent with is a sighting waypoint.
N70 29 34.4 W147	32 34.3	IAN_090503d	7:32 AM	Reported as v	where IAl		ound 180 degrees. More
N70 29 39.8 W147	32 28.0	ian_090503e					<sup>nd</sup> darting gun bomb
N70 29 40.0 W147	32 25.4	ian_090503f	7:52 AM	Likely IAN p	osition w	hen IAN killed wh	ale with shoulder gun bomb
N70 29 37.3 W147	32 17.7	IAN_090503g				AN had to turn arou t of killed whale	und again. More consistent as
N70 29 28.1 W147	31 34.2	ian_090503h				f reported start of t	OW
		Lengt		_		slit of 11"	
	De					earching for wh	ales)
Direction of initia			• •	North, th			
Time spent activ		_				86 minutes	
Time spent in tra	•						– 2 hours 43 minutes
<b>Notes:</b> 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]							
Fog or clouds?	clou	ds Weath	er notes:			nperature in the 3	80s; BP peaks at 3PM @
Wind Dimosting		7 W/:		29.8 and th		0 to 10	No WE
Wind Direction		•	beed and ot	ner notes:		0 to 18 mph $-$ se	
% Ice Coverage	•• 0	J 1	1	andition	Other 1	Notes:	
Wave Height:				conditions:			
Other pertiner			ner station f		aathan ata	tion ( absorver)	
Note: Cross Island w			_	-			h .l
Engaged in a	•			No		If yes, describe	Delow
Butchered own w		1		2			
GPS track? Yes	GPS I	le Name: 1	AN_09050	3.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 # crew aboard/notes Vessel Туре Length **HP** Motor 20' UNK IAN Fiberglass Yamaha 125 HP If not, why not? Took "fresh kill" to Nuiqsut Whaling today? No Time returned: Time departed: Waypoints or Coordinates noted Notes (if whole # of animals direction of travel behavior) T.... Lat/Lan XX7. Daint #

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	on of initial search (and explanation):		
Time sp	pent actively scouting/# people looking:		
Time sp	pent in travel/tow/assistance to other boats/	on "break":	
	Took fresh kill to Nuiqsut. Originally NUK2 was		
	NUK2 boat to try to go to West Dock The NAP3	3 boat did make it to	West Dock, as did the IAN boat once the NUK2
	boat came back. Typically, when returning to Nui		
	inside the barrier islands to Nuiqsut. The trip from		est Dock is the roughest part, and is often rougher
	than the sea conditions to the north of Cross Island	1.	

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

Fog or clouds?		Weathe	r notes:	Windy and	d choppy in morning, calming in afternoon; BP falling		
			all day				
Wind Direction:		Wind spe	ed and oth	ner notes:	0-20 mph, calme	est around 6PM – see WF	
% Ice Coverage:	0	Ice Type:			Other Notes:		
Wave Height:		Other no	tes on sea	conditions:			
Other pertinent notes: See weather station fil		le					

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 u	ntil next	day.

#### GPS track? No GPS File Name:

If not, why not? Trip to Nuiqsut, no track collected

ANIMIDA Task 4 Data Collection Form, 2003				Use on	e form for each vessel/day	
Date: 09/07/03	Crew:	Aqargiun	Gl	PS Type:	Garmin 12	
Vessel	Туре	Length	HP Motor	#	crew aboard/notes	
IAN	Fiberglass	20'	Yamaha 125 HP		NA	
Whaling today?	No	If not, why	<b>not?</b> Boat returned	to Cross Islan	nd. Also butcher, quota filled	1
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 NA Image: Second Second

#### 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	s: Clear but v	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 weath		See weather stati	ion 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 D	ata Collection I		Use one	form for each vessel/day	
Date: 09/08/03	Crew:	Aqargiun	GI	PS Type:	Garmin 12
Vessel	Туре	Length	HP Motor	# ci	rew aboard/notes
IAN	Fiberglass	20'	Yamaha 125 HP		NA
Whaling today?	NO	If not, why	<b>y not?</b> Preparing to re	eturn to Nuiqsı	ıt
Time departed:	NA	-	Time returned:	NA	
		Waypoin	ts or Coordinates not	ted	
Lat/Long	Way Point #	Time	Notes (if whale - #	of animals, dire	ection of travel, behavior)

Direction of initial search (and explanation):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/o	n "break":
Notes: Mainly preparing for departure to Nuiqsut	

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

obset valors of whating even weather, see sure, see conditions					
Fog or clouds?	overcast	Weather notes: Overcast with later brea			vith later breaks of sun, some rain and snow, windy;
		BP increasing all day (peaks at 3AM on 9/09)			
Wind Direction:		Wind spee	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 f			station f	ïle	
					-

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:

ANIMIDA Task 4 Da	Form, 2003		Use one form for each vessel/day		
Date: 09/09/03	Crew:	Aqargiun	GI	PS Type:	Garmin 12
Vessel	Туре	Length	HP Motor		# crew aboard/notes
IAN	Fiberglass	20'	Yamaha 125 HP		4
Whaling today?	No	If not, why	<b>not?</b> Return to Nui	qsut	

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)

Directio	on of initial search (and explanation):		
Time sp	pent actively scouting/# people looking:		
Time sp	pent in travel/tow/assistance to other boats/o	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 I	sland due to weath	her. NAP crew stayed to finish some chores.

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

Fog or clouds?	clouds	Weather notes: Windy and			nd cool, very choppy with whitecaps, BP falling		
Wind Direction:		Wind speed and other notes:			otes: 15-25 mph, falling when weather station taken down		
% Ice Coverage:	0	Ice Type:		<b>Other Notes:</b>			
Wave Height:		Other no	Other notes on sea conditions		Ve	ery choppy, with whitecaps	
Other pertinent notes: Weather station dismantled			antled				

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:

Use one form for each vessel/day

Date: 08/23/03	Crew:	Napageak	G	PS Type:	Garmin 12/Etrex
Vessel	Туре	Length	HP Motor		# crew aboard/notes
Napageak1	Fiberglass	21'	Johnson 150 HP		UNK, probably 3
Crew of 9 in 3 boats					
Whaling today?	No	If not, why	not? Trip from Nu	iqsut to Cro	oss Island

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)

Directi	on of initial search (and explanation):			
Time s	pent actively scouting/# people looking:			
Time s	pent in travel/tow/assistance to other boats/o	on "break":		
Notes:	Left Nuiqsut for Cross Island, crew of 9 in 3	3 boats (probably	evenly distributed). Arr	ived at Cross Island
	late in the evening.			

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

Fog or clouds?	Weathe	Weather notes: Researcher not present, no report received – good enough to		
			travel	
Wind Direction:	Wind spo	eed and oth	ner notes:	
% Ice Coverage:	Ice Type:			Other Notes:
Wave Height:	Other no	otes on sea	conditions	
Other pertinent notes:				

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

Engaged in any other subsistence activities?

If yes, describe below

GPS track? No GPS File Name:

If not, why not? Researcher not present so no track collected

Use one form for each vessel/day

Date: 08/24/03	Crew:	Napageak	GI	GPS Type: Garmin 12/Etres		
Vessel	Туре	Length	HP Motor	#	crew aboard/notes	
Napageak1	Fiberglass	21'	Johnson 150 HP		NA	
Whaling today?	No	/	•		st arrived at Cross Island.	
Need to prepare cabin,	, obtain gas supp	oly, etc. (log	istical support for Cros	ss Island not	yet mobilized)	
Time departed:		Waypoin	Time returned:	ted		
Lat/Long	Way Point #	Time	Notes (if whale - #	of animals, di	rection of travel, behavior)	
		]	NA			

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

Direction	on of initial search (and explanation):					
Time sp	pent actively scouting/# people looking:					
Time s	pent in travel/tow/assistance to other boats/o	on "break":	T			
Notes:	One or more boats went to West Dock for	gas, and a chop o	came up wh	ich forced son	ne of them	to stay
	overnight at West Dock					

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

Fog or clouds?	Weathe	er notes:			
Wind Direction:	Wind sp	eed and oth	ner notes:	Windy – too w	indy to scout
% Ice Coverage:	Ice Type:			<b>Other Notes:</b>	
Wave Height:	Other no	otes on sea	conditions	Okay for tra	vel early, very choppy late in the day
Other pertinent not	es:				

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 chopp	by sea conditions	

#### GPS track? NA GPS File Name:

Use one form for each vessel/day

Date: 08/25/03	Crew: Napageak		G	<b>GPS Type:</b> Garmin 12/Etr		
Vessel	Туре	Length	HP Motor		# crew aboard/notes	
Napageak1	Fiberglass	21'	Johnson 150 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)

Directi	on of initial search (and explanation):	See NAP3 report	
Time s	pent actively scouting/# people looking:	See NAP3 report	
Time s	pent in travel/tow/assistance to other boats/	on "break":	NA
Notes:	Saw a whale about 20 miles from Cross Islan	nd – See NAP3 rep	oort. Because the researcher did not arrive on
	Cross Island until 08/29/03, no tracks were C	GPS tracks were co	llected 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?		Weathe	r notes:	"Dead calm	n and smooth"	(report from whaling com. center)
Wind Direction:		Wind spe	ed and oth	ner notes:		
% Ice Coverage:		Ice Type:			<b>Other Notes:</b>	
Wave Height:		Other no	tes on sea	conditions:	:	
Other pertinent r	notes:					

No

Other pertinent notes:

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

Engaged in any other subsistence activities?
--

If yes, describe below

GPS track? No GPS File Name:

Researcher not yet at Cross Island If not, why not?

ANIMIDA Task 4 I	Data Collection F	orm, 2003	Use one form for each vessel/day			
Data: 08/26/02	<b>C</b>	Napagaalt	0	DC True as	Cormin 12/Etror	
Date: 08/26/03	Crew:	Napageak	G	PS Type:	Garmin 12/Etrex	
Vessel	Туре	Length	HP Motor	#	crew aboard/notes	
Napageak1	Fiberglass	21'	Johnson 150 HP		NA	
Whaling today?	No	If not, why	v not? Weather			
Time departed	l: <u>NA</u>		Time returned: <u>NA</u>			
r			ts or Coordinates no			
Lat/Long	Way Point #	Time		<sup>t</sup> of animals, di	rection of travel, behavior)	
	_	N	NA			
			<i>(</i> <b>1</b> ) <b>1</b>	1. 6		
Direction of initial s			(traveling, hours se	earching for v	whales)	
Time spent actively	· •	,				
Time spent in trave		-	ts/on "break"•			
Notes:	1/ to w/uspistumee (	to other bou	us on break .			
	<b>Observations</b>	of Whaling	Crew - weather, sea	state, ice-con	nditions	
Fog or clouds?	Weat	her notes:	Research not yet on	Cross Island,	no reports	
Wind Direction:		Wind speed and other notes:				
% Ice Coverage:	Ісе Туре		Other N	Notes:		
Wave Height:		notes on sea	conditions:			
Other pertinent n Note: Cross Island weath		compiled in a s	eparate file (weather stat	ion + observer)		
Engaged in any	other subsistenc	e activities?	No	If yes, descri	be below	

GPS track? <u>NA</u> GPS File Name:

Date: 08/27/03	Crew:	Napageak	GI	PS Type:	Garmin 12/Etrex	
Vessel	Туре	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)

Directi	on of initial search (and explanation):	Looked north at first – historically where whales are seen					
Time s	pent actively scouting/# people looking:						
Time s	pent in travel/tow/assistance to other boats/o	n "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 o	ther 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 identi	fication 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 Cr	oss Island infrastructure today, but weather prevented it doing					
	so - another case where West Dock to Cross I	sland conditions were worse than those north of Cross Island.					
	TOT scouting 2:45, total of about 20 miles, FI	DFCI 6.4 miles. Trip to West Dock of about 33 miles.					

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

Fog or clouds?	Weat	ner notes:	No report		
Wind Direction:	Wind s	peed and o	ther notes:		
% Ice Coverage:	Ісе Туре	:		<b>Other Notes:</b>	
Wave Height:	Other	notes on sea	a conditions:		
Other pertinent no	tes:				

No

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

Engaged in any other subsistence activities?

If yes, describe below

GPS track?	Yes	GPS File Name:	NAP1_082703.mps
If not, why n	ot?		

ANIMIDA Task 4 D	ata Collection I	Form, 2003		Use or	ne form for each vessel/day	
Date: 08/28/03	Crew:	Crew: Napageak		GPS Type: Garmin 12/E		
Vessel	Туре	Length	HP Motor	#	crew aboard/notes	
Napageak1	Fiberglass	21'	Johnson 150 HP		NA	
Whaling today?	No	If not, wh	<b>y not?</b> Weather, logi	istical mobiliz	zation	
Time departed:	NA	-	Time returned:	NA		
		Waypoir	nts or Coordinates no	oted		
Lat/Long	Way Point #	Time	Notes (if whale - # of animals, direction of travel, behavior)			
		•	NA			

Direction	on of initial search (and explanation):			
Time s	pent actively scouting/# people looking:			
Time s	pent in travel/tow/assistance to other boats/o	on "break":		
Notes:	otes: Errands and chores on Cross Island. Probable day that mobilization barge took logistical support material to			
	Cross Island, so NAP crew would also have h	ad tasks to perform	n in connection with this	

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

Fog or clouds?	Weath	ner notes:	Windy and	choppy	
Wind Direction:	Wind s	peed and oth	ner notes:		
% Ice Coverage:	Ісе Туре	:		Other Notes:	
Wave Height:	Other 1	notes on sea	conditions:		
Other pertinent no	tes:				

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 I	Data Col	llection H	Form, 2003			Use of	ne form for each vessel/day
Date: 08/29/03	_	Crew:	Napageak		GPS Ty	ре:	Garmin 12/Etrex
Vessel	Т	уре	Length	HP M	otor	#	crew aboard/notes
Napageak1	Fibe	erglass	21'	Johnson	150 HP		NA
Whaling today? Island, but too windy		No	If not, why		ther – boats ab	le to tra	vel from Nuiqsut to Cross
Island, but too windy	and cho	oppy to so	cout for what	es			
Time departed	I: NA			Time r	eturned: NA		
-			-				
			• •		inates noted		
Lat/Long	Way	Point #	Time		whale - # of ani	mals, di	irection of travel, behavior)
			N	JA			
	Ì						
			· ·	(traveling,	hours searchi	ng for	whales)
Direction of initial s							
Time spent actively Time spent in trave				talan (ihnaal			
Notes:	l/tow/as	sistance	to other boa	us/on "brea	K*:		
INOLES:							
	Obset	rvations	of Whaling (	Crew - weat	ther, sea state,	ice-cor	nditions
Fog or clouds?	No	1	her notes:				windy at Cross Island
Wind Direction:			speed and ot	U			to 20 knots
% Ice Coverage:	0	Ice Typ	<u> </u>		<b>Other Notes:</b>		

_ L		-	JF	)	
	Wave Height:	3-5 feet	Other notes on sea conditions:	:	Choppy and rough, esp. near Oliktook
I	Other pertinent notes:		Weather station not installed as yes		t

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:

ANIMIDA Task 4 D	ata Collection I	Form, 2003		Use	one form for each vessel/day	
Date: 08/30/03	Crew:	Napageak	G	GPS Type: Garmin 12/Etrex		
Vessel	Туре	Length	HP Motor		# crew aboard/notes	
Napageak1	Fiberglass	21'	Johnson 150 HP		NA	
Whaling today?	No	If not, wh	y not? Weather			
Very windy and chop	ру					
Time departed: NA		-	Time returned:	NA		
		Waypoi	nts or Coordinates no	ted		
Lat/Long	Way Point #	Time		of animals,	direction of travel, behavior)	
			NA			

Directi	on of initial search (and explanation):		
Time s	pent actively scouting/# people looking:		
Time s	pent in travel/tow/assistance to other boats/o	on "break":	
Notes:	Most crews used this day to work on floats	and other equipm	nent (including bombs). Time also spent on
	cleaning up cabins and other domestic chores.		

			0		, , ,		
Fog or clouds?	HCC	Weather notes: Bright wit			th 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:			<b>Other Notes:</b>		
Wave Height:	3ft+	Other notes on sea conditions: Very choppy					
Other pertinent notes: Weather station insta			lled about 3	3:30 PM. Took s	several tries to find a good location		
		for the date	1		active stands from all sensers) Deinfall serves not installed		

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

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 whali	ng equipment.		

#### GPS track? NA GPS File Name:

Use one form for each vessel/day

Date: 08/31/03	Crew:	Napageak	G	PS Type:	Garmin 12/Etrex	
Vessel	Туре	Length	HP Motor	#	<pre># crew aboard/notes</pre>	
Napageak1	Fiberglass	21'	Johnson 150 HP	NA		
Whaling today?	No	If not, wh	y not? Weather – for	ggy with son	ne chop. Boats able to travel	
from Nuiqsut to Cross	Island, but too	windy and c	hoppy to scout for wh	ales.		
Time departed: NA     Time returned: NA						
Waypoints or Coordinates noted						
Lat/Long	Way Point #	Time	Time         Notes (if whale - # of animals, direction of travel, behavior)			
			NT A			

	NA

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

Directi	on of initial search (and explanation):		
Time s	pent actively scouting/# people looking:		
Time s	pent in travel/tow/assistance to other boats/o	on "break":	
Notes:	Day spent on domestic chores and helping w	vith Napageak cab	in project. Weather calmed in the afternoon
	and evening but BO crew prepared their boa	ats and then helpe	d NAPs with their cabin project. IAN crew
	also preparing.		

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

Observations of Whaning Crew - Weather, sea state, re-conditions							
Fog or clouds?	Fog	Weathe	r notes:	Temp. 35F	, BP 29.79 and	rising (peaks 3AM 9/01)	
Wind Direction:	WNW	Wind spe	ed and oth	ner notes:	0-18 mph, peak	ts 3PM – see WF	
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>		
Wave Height:	2-4 ft	Other no	otes on sea	conditions:	Better than y	esterday, perhaps could scout later in	
					day (can trav	el and NUK boats arrive from NQT)	
Other pertinent	notes:	See weather	er station fi	le			

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:

ANIMIDA Task 4 Data Collection Form, 2003						Use one form for each vessel/day			
Da	ate: 09/01/03	-	Crew:	Napag	geak		G	PS Type:	Garmin 12/Etrex
	Vessel	r	Туре	Len	ngth		HP Motor	#	crew aboard/notes
N	apageak1	Fib	perglass	2	1'	Jo	hnson 150 HP		3
Wha	aling today?		Yes	If no	ot, why	not	•		
T	Time departed:       10:35 AM       Time returned:       3:42 AM         5 hours 7 minutes								
				Wa	ypoint	s or	Coordinates no	ted	
	Lat/Long		Way Poin		Tin	-			s, direction of travel, behavior)
					11:17	AM	Unknown signi		
N70 33	3 16.6 W147 48	22.8	nap1_0901	103b	noonis	sh	Area where spe	ed reduced, n	net NAP2
N70 32	2 28.4 W147 56	36.9	nap1_0901	103c	12:20	PM	Position where speed reduced (until next waypoint)		
N70 31	36.8 W147 58	01.8	nap1_0901	103d	12:37	PM	Position where	speed increas	ed (until next waypoint)
N70 32	2 24.9 W147 59	29.1	nap1_0901	103e	12:43	PM	Position where	speed reduce	d (until next waypoint)
N70 32	2 59.3 W147 58	54.0	nap1_0901	03f	12:52	PM	Position where probably respon		ed (until next waypoint) – strike
N70 33	3 44.1 W147 55	02.6	nap1_0901	103g	12:57	PM			whale strike waypoint
Describe the day's activity (traveling, hours searching for whales)									
	ion of initial se		· •		,		eaded east and r		AN boat
Time spent actively scouting/# people looking:Likely 10:35AM - 12:52 PM									
	pent in travel/							(	cill), 1:48-3:31 (tow)
Notes:	Not actually pu (NAP2, BO boa	ut toge ats) we	ther until ar ent north. fi	nalysis rst and	started then ea	l in th ast. N	e office. NAP1 a AP1 met NAP2	and IAN were at NE most pa	n a number of different GPS units. fairly close together. Other boats rt of track. May have been whale- 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, w	ith a little fog, BP 29.94 early, but falls all day			
Wind Direction:	NNW	Wind speed and other notes: 0		0-20 mph, lowest 9AM, highest after 3PM – see WF			
% Ice Coverage:	0	Ice Type:		<b>Other Notes:</b>			
Wave Height:	3-4ft	Other notes on sea conditions:		: Conditions st	till somewhat marginal for scouting –		
				choppy, may	be not predicted 3-4 foot seas		
Other pertinent notes: See weather station fil		le					

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

ngaged in any other subsistence activities?	No	If yes, describe below
bear with cub observed on the far part of Cross	Island after 7AM	By the end of the day a

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?		
-		

Use one form for each vessel/day

Date: 09/02/03	Crew:	Napageak	Gl	PS Type:	Garmin 12/Etrex	
Vessel	Туре	Length	HP Motor		# crew aboard/notes	
Napageak1	Fiberglass	21'	Johnson 150 HP		3	
		<b>T</b> 0 / 1		1	· · · · ·	
Whaling today?	Yes	If not, why	not? Marginal con	ditions in m	orning, calms later	

# Time departed: 9:48 AM/6:21 PM Time returned: 11:03 AM/10:00 PM 1<sup>st</sup> trip 1 hour 15 minutes, 2<sup>nd</sup> trip 3 hours 39 minutes 11:03 AM/10:00 PM 11:03 AM/10:00 PM

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

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

Directi	Direction of initial search (and explanation):		north, as on previous day
Time s	pent actively scouting/# people looking:	3 hours 30 minute	es or so
Time s	pent in travel/tow/assistance to other boats/o	on "break":	
Notes:	First scouting trip of the day was soon aborte and the track was only partial. NAP boats w more north. NAP boats may have see whale s more scouting-intensive, speeds) – but no cr may be close; second trip TOT 3:39, total of a	vent more east and sign (some looping ew reports of what	d south while other boats (BO, NUK) went g on the track and some time spent at lower, iles. First trip TOT 1:15, no track so NAP3

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

Fog or clouds?	cloudy	Weather notes: Windy, clo		oudy, overcast, s	some fog – conditions improved later.	
				BP falls ur	til 3AM on 9/03	3
Wind Direction:	See WF	Wind speed and other notes:		<b>r notes:</b> Windy in morning (20 mph @ 3AM), calmed in		
		_			afternoon (0 m	ph evening), then increased
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>	
Wave Height:	6-7 feet	Other no	otes on sea	conditions	: Very choppy	in morning, calmed in afternoon
Other partinent	Other newtinent notes. See weather station file					

**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?NoIf 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: NAP1\_090203.msp If not, why not? Partial track

Date: 09/03/03	Crew:	Napageak	GI	PS Type:	Garmin 12/Etrex
Vessel	Туре	Length	HP Motor	#	crew aboard/notes
Napageak1	Fiberglass	21'	Johnson 150 HP		NA
Whaling today?	No	If not, why	weather – win	ndy and chilly	y (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 NA Image: Image:

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

Directi	on of initial search (and explanation):		
Time s	pent actively scouting/# people looking:		
Time s	pent in travel/tow/assistance to other boats/o	on "break":	
Notes:	Wind continues all day and seas too high (rep	orted to be worst	near Cross Island). People work on cabins or
	do other chores. Boats taken up out of water	due to probable l	high winds and waves. ASC barge comes to
	Cross Island with John Whitehead (VP Con-	ocoPhillips) to sta	ay with IAN crew. NAP3 does a little duck
	hunting and makes a trip to West Dock for pa	ckages, but deeme	ed too rough for scouting – see NAP3
	NUK boats do try to go out scouting briefly in	n the morning.	

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

Fog or clouds?	overcast	Weather	notes:	Windy and	chilly all day, s	ome breaks of sun, BP rising all day
Wind Direction:	See WF	Wind spee	ed and ot			through day, see WF (low to 25
					mph) - increase	es mostly through the day
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>	
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 (no	one harvested)

GPS track? NA GPS File Name: If not, why not? Use one form for each vessel/day

Date: <u>09/04/03</u>	Crew:	Napageak	GP	S Type: Garmin 12/E	trex
Vessel	Туре	Length	HP Motor	# crew aboard/note	es
Napageak1	Fiberglass	21'	Johnson 150 HP	NA	
Whaling today?	No	If not, why	v not? Very windy, c	oudy and overcast, some rain	

Time departed: NA

**ANIMIDA Task 4 Data Collection Form, 2003** 

Time returned: NA

Use one form for each vessel/day

#### 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)

Directi	on of initial search (and explanation):			
Time s	pent actively scouting/# people looking:			
Time s	pent in travel/tow/assistance to other boats/o	on "break":		
Notes:	Work on gear for whaling, do work on cabina	s, do other domest	tic chores. NUK2 makes	a trip to West Dock
	for some packages BUT too rough for scouti	ing - reported to l	be VERY rough and the	ir 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:			otes: 30+ mph, varies through day, see WF (6 to 33 mph)		
% Ice Coverage:	0	Ice Type:			0	ther Notes:	
Wave Height:	high	Other not	Other notes on sea conditions: Ex			Extreme whit	e caps, no boats out to look
Other pertinent notes: See weather station f			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 1 boat tri	p to West Dock)	

#### GPS track? NA GPS File Name:

Date: 09/05/03	Crew: N	apageak	GI	<b>PS Type:</b> Garmin 12/Etrex			
Vessel	Туре	Length	HP Motor	# crew aboard/notes			
Napageak1	Fiberglass	21'	Johnson 150 HP	3			
Whaling today?	Yes	lf not, why	not?				
Time departed: 6	:13 AM		Time returned:	Time returned: 3:09 PM			
8 hours 56 minutes							
		Waypoint	s or Coordinates not	ted			
Lat/Long Way Point # Time Note			Notes (if whale - #	Notes (if whale - # of animals, direction of travel, behavior)			
N70 34 02.9 W147 23 00.2	2 NAP1_090503a	10:08 AM	Position marked for NA	AP3 whale (kill)			
N70 33 47.9 W147 21 52.7	7 nap1_090503b	11:18 AM	Position of start of tow	(approximate)			

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

Direction of initial search (and explanation):		NE			
Time s	pent actively scouting/# people looking:	Complex, but pretty much 6:13 AM – 8:06AM			
Time s	pent in travel/tow/assistance to other boats/	on "break":	8:06-9:58 chase and kill; 9:58-3:09 tow		
	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	n the general area o	f 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

Fog or clouds?	clouds	Weather notes: Trying to s			snow, temperature in the 30s; BP peaks at 3PM @		
_		29.8 and th			en 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					
<b>Other pertinent notes:</b> See weather		r 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? Use one form for each vessel/day

#### **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 # crew aboard/notes Vessel Туре Length **HP** Motor 21' Johnson 150 HP NA Napageak1 Fiberglass If not, why not? Took NAP2 instead Whaling today? No 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)

Directi	on of initial search (and explanation):					
Time s	pent actively scouting/# people looking:					
Time s	pent in travel/tow/assistance to other boats/o	on "break":				
Notes:	Notes: NAP3 was sent to NQT with "fresh kill" from the NAP3 whale taken the day before. This crew only sent a boat ou					
	scouting well after the other crews had left, and che	ose to take only 1 bo	oat - NAP2 instead	of NAP1. See NAP2 report.		

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

Fog or clouds?		Weathe	r notes:	Windy and	Windy and choppy in morning, calming in afternoon; BP falling		
		all day					
Wind Direction:		Wind speed and other not			<b>r notes:</b> 0-20 mph, calmest around 6PM – see WF		
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>		
Wave Height:		Other no	otes on sea	conditions	:		
<b>Other pertinent notes:</b> See weather station fi		le					

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 un	til next day		

#### GPS track? NA GPS File Name:

ANIMIDA Task 4 Da	ata Collection I	Form, 2003		Use of	ne form for each vessel/day		
Date: 09/07/03	Crew:	Napageak	Gl	PS Type:	Garmin 12/Etrex		
Vessel	Туре	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			
		Waypoint	ts or Coordinates no	ted			
Lat/Long	Way Point #	Time	Notes (if whale - #	of animals, di	irection of travel, behavior)		
		N	JA				
	1						
	Describe the day's activity (traveling, hours searching for whales)						

#### (020 . . . .

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

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

Observations of whating Crew - weather, sea state, ice-conditions							
Fog or clouds?	overcast	Weather notes: Clear but			ear 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 not	tes on sea	conditions:	:		
Other pertinent notes: See weather station fi		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:

ANIMIDA Task 4 D	ata Collection I	Form, 2003		Use on	e form for each vessel/day	
Date: 09/08/03	Crew: Napageak		G	GPS Type: Garmin 12/Etrex		
Vessel	Туре	Length	HP Motor	#	crew aboard/notes	
Napageak1	Fiberglass	21'	Johnson 150 HP		NA	
Whaling today?	NO	If not, why	<b>not?</b> Preparing to r	eturn to Nuiq	sut	
Time departed: <u>NA</u>		-	Time returned:	NA		
		Waypoint	ts or Coordinates no	ted		
Lat/Long	Way Point #	Time	Notes (if whale - #	of animals, di	rection of travel, behavior)	

Directi	on of initial search (and explanation):		
Time s	pent actively scouting/# people looking:		
Time s	pent in travel/tow/assistance to other boats/o	on "break":	
Notes:	Mainly preparing for departure to Nuiqsut		

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

obset futions of fifthing of the fution, set state, fee containing						
Fog or clouds?	overcast			Overcast w	vercast 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+ mp			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 f		ïle				
-						

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:

Date: 09/09/03	Crew:	Napageak	G	PS Type:	Garmin 12/Etrex	
Vessel	Туре	Length	HP Motor	#	crew aboard/notes	
Napageak1	Fiberglass	21'	Johnson 150 HP		NA	
Whaling today?	No	If not, wh	<b>y not?</b> Final chores	to prepare to l	eave Cross Island	
Time departed	: <u>NA</u>	-	Time returned	: <u>NA</u>		
		Waypoin	ts or Coordinates no	oted		
Lat/Long	Way Point #	Time	Notes (if whale - #	# of animals, di	rection of travel, behavior)	
		]	NA			

Directi	on of initial search (and explanation):		
Time s	pent actively scouting/# people looking:		
Time s	pent in travel/tow/assistance to other boats/o	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 co			l cool, very choppy with whitecaps, BP falling		
Wind Direction:		Wind speed and other notes:		s: 15-25 mph, falling when weather station taken down			
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>		
Wave Height:		Other no	Other notes on sea conditions		: Ve	ery choppy, with whitecaps	
Other pertinent notes: Weather station disman		antled					

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

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Engaged in any other subsistence activities?	No	If yes, describe below
Final "island chores"		

#### GPS track? NA GPS File Name:

**ANIMIDA Task 4 Data Collection Form, 2003** 

If not, why not?

Use one form for each vessel/day

Use o	ne form	for ea	ch vesse	el/dav
	110 101 111	101 00		/1/ uu y

Date: 09/10/03	Crew: Napageak		GI	GPS Type: Garm		
Vessel	Туре	Length	HP Motor		# crew aboard/notes	
Napageak1	Fiberglass	21'	Johnson 150 HP		3/0	
Whaling today?	No	If not, why	<b>not?</b> Return to Nui	qsut		_

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)

Direction	on of initial search (and explanation):				
Time s	pent actively scouting/# people looking:				
Time s	pent in travel/tow/assistance to other boats/	on "break":			
Notes:	NAP crew makes an attempt to leave for V	Vest Dock. It beco	omes evident th	hat NAP4 cann	ot handle the
	conditions. It is thought that NAP1-3 could p	probably make it to	o West Dock, b	out all return to	Cross Island.
					TTT . D 1

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 Nuqisut the next day.

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

Fog or clouds?		Weather notes: Windy and			d overcast, with whitecaps – weather station has been		
		dismantlec			antled, so no WF for this day		
Wind Direction:		Wind spe	ed and oth	ner notes:	20+ mph ?		
% Ice Coverage:	0	Ice Type:			Other Notes:		
Wave Height:	4+ ft	Other no	tes 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	
Trying to leave Cross Island			

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

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

Crew: Napageak

Length

18'

### ANIMIDA Task 4 Data Collection Form, 2003

Type

Fiberglass

No

Date: 08/23/03

Vessel

Napageak2

Whaling today?

Time departed: UNK

Crew of 9 in 3 boats

# Describe the day's activity (traveling, hours searching for whales) Direction of initial search (and explanation):

Time s	pent actively scouting/# people looking:						
Time sp	pent in travel/tow/assistance to other boats/o	on "break":					
Notes:	Left Nuiqsut for Cross Island, crew of 9 in 3	3 boats (probably	evenly	distributed).	Arrived	at Cross	Island
	late in the evening.		-				

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

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

Other pertinent notes:

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

Engaged in any other subsistence activities?

If yes, describe below

GPS track? No GPS File Name:

If not, why not? Researcher not present so no track collected

Use one form for each vessel/day

# crew aboard/notes

UNK, probably 3

Garmin 12/Etrex

GPS Type:

**HP** Motor

Honda 130 HP

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

Time returned: late

Use one form for each vessel/day

Date: 08/24/03	Crew:	Napageak	G	PS Type:	Garmin 12/Etrex
Vessel	Туре	Length	HP Motor	#	crew aboard/notes
Napageak2	Fiberglass	18'	Honda 130 HP		NA
Whaling today?	No	If not, why	y not? Weather cond	litions, also ju	st arrived at Cross Island.
Need to prepare cabin,	obtain gas supp	oly, etc. (logi	stical support for Cro	ss Island not	yet mobilized)
Time departed: <u>NA</u> Time returned: <u>NA</u> Waypoints or Coordinates noted					
Lat/Long	Way Point #	Time			rection of travel, behavior)
0		1	NA		

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

Direction	on of initial search (and explanation):			
Time sp	pent actively scouting/# people looking:			
Time sp	pent in travel/tow/assistance to other boats/o	on "break":		
Notes:	One or more boats went to West Dock for	gas, and a chop c	ame up which forced son	ne of them to stay
	overnight at West Dock			

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

Fog or clouds?	Weath	er notes:			
Wind Direction:	Wind sp	eed and otl	ner notes:	Windy - too v	vindy to scout
% Ice Coverage:	Ice Type:			Other Notes:	
Wave Height:	Other n	Other notes on sea conditions			avel early, very choppy late in the day
Other pertinent no	otes:				

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 chopp	by sea conditions	

#### GPS track? NA GPS File Name:

Use one form for each vessel/day

Date: 08/25/03	Crew:	Napageak		GPS Type:_	Garmin 12/Etrex
Vessel	Туре	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 # Tin		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 s	pent 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 Islan	nd - 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 boa	ts at Cross Island at that time to help support them), the NAP3				
	track can serve as an approximation for NAI	P1 and NAP2 for those days as well. See NAP3 for likely trip				

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

Fog or clouds?	Weather notes:	"Dead caln	"Dead calm and smooth" (report from whaling com. center)						
Wind Direction:	Wind speed and ot	her notes:							
% Ice Coverage:	Ice Type:		<b>Other Notes:</b>						
Wave Height:	Other notes on sea	conditions:							
Other pertinent notes									

No

Other pertinent notes:

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

statistics (total of about 63 miles, FDFCI about 22.6 miles).

Engaged in any other subsistence activities?

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			
Data: 00/06/02	0	Nonocci			ос т	Commin 12/Etman		
Date: 08/26/03	Crew:	Napageak		GI	PS Type:	Garmin 12/Etrex		
Vessel	Туре	Length	HP Me	otor		# crew aboard/notes		
Napageak2	Fiberglass	18'	Honda 1	30 HP		NA		
Whaling today?	No	If not, why not? Weather						
Time departed: NA     Time returned: NA								
<b>.</b>		÷ -	nts or Coordi					
Lat/Long	Way Point #	Time		whale - #	of animal	s, direction of travel, behavior)		
			NA					
	Describe the d	av's activit	v (trovoling	hours so	orching f	for whales)		
Direction of initial s			<u>y (il avening,</u>	lioui s se	arching	ion whates)		
Time spent actively	· •	,						
Time spent in trave			ats/on "break					
Notes:								
<b>Observations of Whaling Crew - weather, sea state, ice-conditions</b>								
Fog or clouds?		her notes:				and, no reports		
Wind Direction:		Wind speed and other notes:						
% Ice Coverage:		Ice Type: Other Notes:						
Wave Height:	Other	notes on sea	a conditions:					
Other pertinent r								
Note: Cross Island weat	her observations are	compiled in a	separate file (we	eather stati	on + obser	ver)		
Engaged in any	<b>Engaged in any other subsistence activities?</b> No <b>If yes, describe below</b>							

GPS track? NA GPS File Name:

Use one form for each vessel/day

Date: 08/27/03	Crew:	Napageak	G	GPS Type: Garmin 12/Etrex		
Vessel	Туре	Length	HP Motor	#	t 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 Poir	• •			, direction of travel, behavior)	
			None marked by c	crew		

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

Directi	on of initial search (and explanation):	Looked north at first – historically where whales are seen				
Time s	pent actively scouting/# people looking:					
Time s	pent in travel/tow/assistance to other boats/o	on "break":				
Notes:	No detailed crew explanation and no track ob	tained for this boa	at for this day. See NAP1 and NAP3 reports			
	(boats were together for the most part).					
	Mobilization barge was supposed to set up Cr	ross Island infrastr	ructure 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	S: No report	
Wind Direction:	Wind speed and	d other notes:	
% Ice Coverage:	Ice Type:	(	Other Notes:
Wave Height:	Other notes on	sea conditions:	
Other pertinent n	otes:		

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

Engaged in any other subsistence activities?	No	If yes, describe below
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#### GPS track? No GPS File Name:

If not, why not? Researcher no yet on Cross Island, no track recovered

MMIDA Task 4 D	ata Collection I	Form, 2003		Use on	e form for each vessel/da
Date: 08/28/03	Crew:	Napageak	(	GPS Type:	Garmin 12/Etrex
Vessel	Туре	Length	HP Motor	#	crew aboard/notes
Napageak2	Fiberglass	18'	Honda 130 HP		NA
Whaling today?	No	If not, why	v not? Weather, log	gistical mobiliz	ation
Time departed	: <u>NA</u>		Time returned	l: <u>NA</u>	
	1	· · · ·	ts or Coordinates n		
Lat/Long	Way Point #	Time		# of animals, di	rection of travel, behavior)
		N	JA		
	Describe the d		(traveling, hours	searching for v	vhales)

Direction	on of initial search (and explanation):		
Time sp	pent actively scouting/# people looking:		
Time sp	pent in travel/tow/assistance to other boats/o	on "break":	
Notes:	Errands and chores on Cross Island. Probable	day that mobiliza	tion barge took logistical support material to
	Cross Island, so NAP crew would also have h	ad tasks to perform	n in connection with this

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

Fog or clouds?		Weathe	r notes:	Windy and	choppy	
Wind Direction:		Wind spe	ed and oth	ner notes:		
% Ice Coverage:		Ice Type:			<b>Other Notes:</b>	
Wave Height:		Other no	tes on sea	conditions:		
Other pertinent n	otes:					

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:

ANIMIDA Task 4 I	Data Collectio	n Form, 2003		Use o	ne form for each vessel/day		
Date: 08/29/03	Cre	w: Napageak	ak GPS Type: Garmin 12/Etrex				
Vessel	Туре	Length	HP Moto	or #	<pre># crew aboard/notes</pre>		
Napageak2	Fiberglass	18'	Honda 130	HP	NA		
Whaling today? Island, but too windy	No	If not, why not? Weather – boats able to travel from Nuiqsut to Cros					
Time departed	117			ırned: NA			
		Waypoin	ts or Coordina	tes noted			
Lat/Long	Way Point #	† Time	Notes (if wh	ale - # of animals, d	lirection of travel, behavior)		
		]	NA				
	Describe th	e dav's activit	v (traveling, ho	ours searching for	whales)		
Direction of initial s							
Time spent actively	scouting/# pe	ople looking:					
Time spent in trave	l/tow/assistan	ce to other boa	ts/on "break":				
Notes:							
	Observatio	ns of Whaling	Crew - weathe	r, sea state, ice-co	nditions		
Fog or clouds?		eather notes:			windy at Cross Island		
Wind Direction:	Win	d speed and of	ther notes:	15	5 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)

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#### GPS track? NA GPS File Name:

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 returned:       NA         Time departed:       NA       Time returned:       NA         Use of the parted:       NA       NA       Notes (if whale - # of animals, direction of travel, behavior)         Lat/Long       Way Point #       Time       Notes (if whale - # of animals, direction of travel, behavior)         NA       Image:       Image:       Image:       Image:       Image:         Main       Image:       Imag	ANIMIDA Task 4 D	Data Collection I	Form, 2003	i	Use or	ne form for each vessel/day
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         Time departed: NA       Time returned: NA         Waypoints or Coordinates noted         Lat/Long       Way Point #       Time       Notes (if whale - # of animals, direction of travel, behavior)	Date: 08/30/03	Crew:	Napageak	G	PS Type:	Garmin 12/Etrex
Whaling today?       No       If not, why not?       Weather         Very windy and choppy       Time departed: NA       Time returned: NA         Time departed: NA       Time returned: NA         Waypoints or Coordinates noted       Waypoints of travel, behavior)	Vessel	Туре	Length	HP Motor	#	crew aboard/notes
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)	Napageak2	Fiberglass	18'	Honda 130 HP		NA
Time departed: NA       Time returned: NA         Waypoints or Coordinates noted         Lat/Long       Way Point #       Time       Notes (if whale - # of animals, direction of travel, behavior)			If not, w	hy not? Weather		
Waypoints or Coordinates noted       Lat/Long     Way Point #     Time     Notes (if whale - # of animals, direction of travel, behavior)	Very windy and chop	ру				
Lat/Long         Way Point #         Time         Notes (if whale - # of animals, direction of travel, behavior)	Time departed	: NA	-	Time returned:	NA	
			Waypoi	nts or Coordinates no	ted	
NA           Image: Main and Main a	Lat/Long	Way Point #	Time	Notes (if whale - #	of animals, di	irection of travel, behavior)
Image: second				NA		
Image: second						
Instrumt         Instrumt         Instrumt           Instrumt         Instrumt         Instrumt         Instrumt						
Image: second						
Image: Constraint of the second sec						
Image: Constraint of the second sec						
Image: Constraint of the second sec						

Directi	on of initial search (and explanation):		
Time s	pent actively scouting/# people looking:		
Time s	pent in travel/tow/assistance to other boats/o	on "break":	
Notes:	Most crews used this day to work on floats	and other equipn	nent (including bombs). Time also spent or
	cleaning up cabins and other domestic chores.		

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

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

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 whalin	g equipment.		

## GPS track? NA GPS File Name:

Use one form for each vessel/day

Crew:	Napageak	G	SPS Type:	Garmin 12/Etrex	
Туре	Length	HP Motor	# 0	crew aboard/notes	
Fiberglass	18'	Honda 130 HP		NA	
No Island, but too			00.	chop. Boats able to travel	
Time departed: <u>NA</u>		Time returned	l: <u>NA</u>		
XX7 D	τ.				
Way Point #	-	<pre></pre>	# of animals, dif	ection of travel, benavior)	
	ſ	NA			
	<b>Type</b> Fiberglass No Island, but too	Fiberglass     18'       No     If not, why       Island, but too windy and cl       NA       Waypoin       Way Point #	Type       Length       HP Motor         Fiberglass       18'       Honda 130 HP         No       If not, why not?       Weather – for         Island, but too windy and choppy to scout for why       NA       Time returned         NA       Waypoints or Coordinates n	Type       Length       HP Motor       # d         Fiberglass       18'       Honda 130 HP         No       If not, why not?       Weather – foggy with some         Island, but too windy and choppy to scout for whales.         NA       Time returned: NA         Waypoints or Coordinates noted         Way Point #       Time         Notes (if whale - # of animals, dir	Type       Length       HP Motor       # crew aboard/notes         Fiberglass       18'       Honda 130 HP       NA         No       If not, why not?       Weather – foggy with some chop. Boats able to travel         Island, but too windy and choppy to scout for whales.       NA         NA       Time returned: NA         Waypoints or Coordinates noted       Way Point #         Way Point #       Time       Notes (if whale - # of animals, direction of travel, behavior)

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

Directi	on of initial search (and explanation):				
Time s	pent actively scouting/# people looking:				
Time s	pent in travel/tow/assistance to other boats/o	on "break":			
Notes:	Day spent on domestic chores and helping w	vith Napageak cab	in project. Weather	calmed in the	afternoon
	and evening but BO crew prepared their boa	ats and then helpe	d NAPs with their	cabin project. I	AN crew
	also preparing.				

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

Observations of Whating Crew - weather, sea state, ree-conditions							
Fog or clouds?	Fog	Weathe	Weather notes: Temp. 35F, B		F, BP 29.79 and rising (peaks 3AM 9/01)		
Wind Direction:	WNW	Wind speed and other notes: 0		: 0-18 mph, peaks 3PM – see WF			
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>		
Wave Height:	2-4 ft	Other no	Other notes on sea conditions:		Better than y	esterday, perhaps could scout later in	
		day (can travel and NUK boats arrive from NQ			el and NUK boats arrive from NQT)		
Other pertinent notes:		See weather	er station fi	le			

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:

ANIMIDA Task 4 Da	ata Collection I	Form, 2003		Use or	ne form for each vessel/day
Date: 09/01/03	Crew:	Napageak	G	PS Type:	Garmin 12/Etrex
Vessel	Туре	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	l: 3:42 AM	
		4 h	ours 51 minutes		
		Waypoint	s or Coordinates n	oted	
Lat/Long	Way Poin	nt# Tin	ne Notes (if what	le - # of animal	s, direction of travel, behavior)
			None marked b	by crew – see	NAP1 report
				-	
	•				

Direction of initial search (and explanation):		Headed east and north – with IAN boat				
Time s	pent actively scouting/# people looking:					
Time s	pent in travel/tow/assistance to other boats/o	on "break":	12:55-1:48 (kill), 1:48-3:31 (tow)			
Notes:	es: 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 what	ale-sign in the area, as both were at low speed and			
	circling - or may have simply been on break. Min					
	they made a strike. Not clear if they had seen wh	ales, but likely wer	re helping NAP2 follow a whale (waypoints c-d,			
	maybe even e-f) and may then have been called	by IAN or the wh	ale may have changed direction – had a sudden			

FDFCI 6.3 miles.

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

change of direction near waypoint d (as did NAP2). See NAP1 and IAN reports. TOT 4:51, total of at least 29 miles,

observations of whating erew weather, sea state, ree containens						
Fog or clouds?	A little	Weather notes: Drizzly, with		ith a little fog, E	BP 29.94 early, but falls all day	
Wind Direction:	NNW	Wind spee	ed and otl	ner notes:	0-20 mph, lowe	est 9AM, highest after 3PM – see WF
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>	
Wave Height:	3-4ft	Other not	Other notes on sea conditions:		Conditions st	ill somewhat marginal for scouting –
_					choppy, may	be not predicted 3-4 foot seas
Other pertinent notes: See weather station file						

**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? If yes, describe below No

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?

Use one form for each vessel/day

Date: 09/02/03	Crew:	Napageak	G	GPS Type: Garmin 12/Etro		
Vessel	Туре	Length	HP Motor	# 0	crew aboard/notes	
Napageak2	Fiberglass	18'	Honda 130 HP		2	
Whaling today?	Yes	If not, why	<b>not?</b> Marginal con	ditions in mor	ning, calms later	
Time departed: 10:03AM       Time returned: 11:12 AM         1 hour 9 minutes						
		Waypoint	s or Coordinates no	ted		
Lat/Long	Way Poir	nt # Tim	e Notes (if whale	- # of animals,	direction of travel, behavio	or)
			None marked by	crew		

	None marked by crew

Describe the day's activity (traveling, hours searching for whales)						
Direction	on of initial search (and explanation):					
Time s	pent actively scouting/# people looking:					
Time s	pent in travel/tow/assistance to other boats/	on "break":				
Notes:	es: 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**

· · · · · · · · · · · · · · · · · · ·							
Fog or clouds?	cloudy	Weather notes: Windy, clo			ndy, cloudy, overcast, some fog – conditions improved later.		
		BP falls u			s 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:			<b>Other Notes:</b>		
Wave Height:	6-7 feet	Other no	otes on sea	conditions	S: Very choppy in morning, calmed in afternoon		
Other pertinent notes: See weather station			er station fil	le			

**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?NoIf yes, describe belowAt 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

Date: 09/03/03	Crew	Napageak	GI	GPS Type: Garmin 12/Etre		
Vessel	Туре	Length	HP Motor	#	crew aboard/notes	
Napageak2	Fiberglass	18'	Honda 130 HP	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 NA Image: Second Second

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

Directi	on of initial search (and explanation):			
Time s	pent actively scouting/# people looking:			
Time s	pent in travel/tow/assistance to other boats/o	on "break":		
Notes:	otes: Wind continues all day and seas too high (reported to be worst near Cross Island). People work on cab			
	do other chores. Boats taken up out of water	due to probable l	high winds and waves. ASC barge comes to	
	Cross Island with John Whitehead (VP ConocoPhillips) to stay with IAN crew. NAP3 does a little duc			
	hunting and makes a trip to West Dock for packages, but deemed too rough for scouting - see N			
	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			nd chilly all day, some breaks of sun, BP rising all day		
Wind Direction:	See WF				Windy – varies through day, see WF (low to 25		
		_			mph) – increases mostly through the day		
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>		
Wave Height:	5+ feet	Other not	Other notes on sea conditions: Choppy – can travel BUT not pleasant			n 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 (no	one 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	GI	GPS Type: Garmin 12/Etre		
Vessel	Туре	Length	HP Motor	# crew aboa	rd/notes	
Napageak2	Fiberglass	18'	Honda 130 HP	NA		
Whaling today?	haling today? No If not, why not? Very windy, cloudy and overcast, some rain					

Time departed: NA

**ANIMIDA Task 4 Data Collection Form, 2003** 

Time returned: NA

Use one form for each vessel/day

#### 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)

Directi	on of initial search (and explanation):			
Time s	pent actively scouting/# people looking:			
Time s	pent in travel/tow/assistance to other boats/	on "break":		
Notes:	Work on gear for whaling, do work on cabin	s, do other domest	tic chores. NUK2 makes	a trip to West Dock
	for some packages BUT too rough for scouti	ing - reported to l	be VERY rough and the	ir boat was watched
	for as long as it was visible			

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

Fog or clouds?	overcast	Weather	Very wind	ry windy, cloudy and overcast, some rain; BP rising all day				
Wind Direction:	See WF	Wind speed and other note			otes: 30+ mph, varies through day, see WF (6 to 33 mph)			
% Ice Coverage:	0	Ice Type:			0	ther Notes:		
Wave Height:	high	Other not	Other notes on sea conditions			s: Extreme white caps, no boats out to look		
Other pertinent notes: See weather station f			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	d 1 boat tri	p to West Dock)	

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

	u concenon i	01111, 2005			the form for each vessel/aug				
Date: 09/05/03	Crew:	Napageak	GI	PS Type:	Garmin 12/Etrex				
Vessel	Туре	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 h	ours 56 minutes						
	Waypoints or Coordinates noted								
Lat/Long	Way Point	# Time	Notes (if whale - #	# of animals, o	direction of travel, behavior)				
N70 30 28.8 W147 47 40	.5 NAP2_09050	)3a			and are just off the NAP2 track.				
N70 30 28.3 W147 47 39.	.5 NAP2_09050	)3b	(760 feet). Not known	if they are refe	erence points. Close to point "c".				
N70 30 37.7 W147 47 25.	1 nap2_090503	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_09050	03d 6:38 AM			a whale sighting, probable				
N70 29 18.6 W147 34 04.	6 NAP2_09050	03e 7:13 AM	5						
N70 29 36.6 W147 32 27	0 nap2_090503	of 7:32 AM			090503d (IAN strike?)				
N70 29 37.7 W147 32 22	4 nap2_090503	g 7:38 AM	Probable position when	n NAP2 struck	whale with 2 <sup>nd</sup> darting gun bomb				
N70 34 03.5 W147 23 22	.5 NAP2_09050	03h 10:02 AM	Essentially the same point, marking NAP3 whale (near kill location)						
N70 34 03.4 W147 23 18	9 NAP2_09050	03i 10:02 AM							

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

Directi	on of initial search (and explanation):	NE	
Time s	pent actively scouting/# people looking:	Complex, but pre	tty much 6:13 - 7:32 AM, 7:38 - 8:06AM
Time s	pent in travel/tow/assistance to other boats/o	on "break":	8:06-9:58 chase and kill; 9:58-3:09 tow
Notes:	Headed NE in general company of other boats (se probably no sooner than point "c" and no later following or searching for this whale. Most other struck the whale. All other boats left at this point NAP3 whale). NAP2 stayed with IAN boat and pu IAN whale was dead and NUK boats arrived from towards the other boats. Slowed from 7:50-8:02, b All boats involved in this chase stayed very close t than the final kill location), other boats accounts a 8:58, total of 44 miles, FDFCI 15 miles.	than point "d". N boats were also in t t to scout for whale t $2^{nd}$ darting gun bo n further south (7:4) but at 8:02 clearly at o each other, so alth	AP2 then proceeded more slowly SE, possibly the area. NAP2 was very close to IAN when they s further north (and assisted in chase and kill of mb into the whale (probably point "g"). Once the 6 AM) NAP2 boat resumed scouting to the north high speed to join with NAP3 (from GPS track). ough few points were marked by this crew (other

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

Fog or clouds?	clouds	Weathe	r notes:	Trying to s	snow, temperature in the 30s; BP peaks at 3PM @		
				29.8 and th	and then falls		
Wind Direction:	SW	Wind spe	ed and oth	er notes:	Varies – 0 to 18 mph – see WF		
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>		
Wave Height:		Other notes on sea conditions					
Other pertinent notes: See weather stat		r station fil	e				

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? If not, why not? If not, why not? If not, why not?

Use one form for each vessel/day

Use one form for each vessel/day	Use	one	form	for	each	vessel/da
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Crew:	Napageak	G	PS Type:	Garmin 12/Etrex
Туре	Length	HP Motor		# crew aboard/notes
Fiberglass	18'	Honda 130 HP		3
Yes	If not, why	not?		
	Туре	Fiberglass 18'	TypeLengthHP MotorFiberglass18'Honda 130 HP	Type     Length     HP Motor       Fiberglass     18'     Honda 130 HP

**Time departed:** 7:31 PM

**Time returned:** 11:49 PM

#### 4 hours 18 minutes 0 --

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		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		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		Time of radio announcement of successful kill – position taken from GPS track			

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

Directi	on of initial search (and explanation):	NE – towards pre	vious whale sightings
Time s	pent actively scouting/# people looking:	7:31-8:18 PM	
Time s	pent in travel/tow/assistance to other boats/	on "break":	8:18-11:49 PM tow (or preparing for tow)
Notes:	NAP3 was sent to NQT with "fresh kill" from th		
	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	l at fairly high scou	ting speed (20 mph) until point "b", after which
	speeds on the GPS track were more indicative of	more intensive scou	ting/following activities. It is likely that the turn
	towards the north on the GPS track was due to s	ighting a blow, but	there was no report of this. After seeing whale,
	strike and kill followed shortly. Other boats assisted	ed in the tow, but ap	parently not the kill. TOT 4:18, total of 27 miles,
	FDFCI 10.1 miles, whale struck about 10.1 MFC	I. Length 39'1", tail	I 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**

Fog or clouds?		Weathe	Weather notes: Windy and choppy in morning, calming in afternoon; BP falling			
				all day		
Wind Direction:		Wind spe	ed and oth	ner notes:	0-20 mph, calmest around 6PM – see WF	
% Ice Coverage:	0	Ice Type:			Other Notes:	
Wave Height:		Other no	tes on sea	conditions	5:	
8		See weather	er station fil	le		

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: NAP2\_090603.mps If not, why not?

ANIMIDA Task 4 D	ata Collection I	Form, 2003		Use on	e form for each vessel/day
Date: 09/07/03	Crew:	Napageak		PS Type:	Garmin 12/Etrex
Vessel	Туре	Length	HP Motor	#	crew aboard/notes
Napageak2	Fiberglass	18'	Honda 130 HP		NA
Whaling today?	No	If not, wh	<b>y not?</b> Butcher, also	o quota filled	
Time departed	: NA	<u>-</u>	Time returned	l: NA	
		Waypoin	ts or Coordinates n	oted	
Lat/Long	Way Point #	Time	Notes (if whale -	# of animals, di	rection of travel, behavior)
		]	NA		
	Describe the o	lay's activit	y (traveling, hours s	earching for v	vhales)
Direction of initial s	earch (and expl	anation):			

Directio	on of initial search (and explanation):		
Time sp	pent actively scouting/# people looking:		
Time sp	pent in travel/tow/assistance to other boats/o	on "break":	
Notes:	Day spent in butchering.		

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

obset futions of fifthaming of the method, see Suite, fee conditions						
Fog or clouds?	overcast	Weather	· notes:	Clear but very overcast, some drizzle, breeze increasing; BP		
_			falling all day			
Wind Direction:		Wind spee	Wind speed and other notes: 5 to 17 mph			
% Ice Coverage:	0	Ice Type:			Other Notes:	
Wave Height:		Other notes on sea conditions:			:	
<b>Other pertinent notes:</b> Set		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:

MMIDA Task 4 D	ata Collection I	Form, 2003		Use on	e form for each vessel/day
Date: 09/08/03	Crew:	Napageak	G	PS Type:	Garmin 12/Etrex
Vessel	Туре	Length	HP Motor	#	crew aboard/notes
Napageak2	Fiberglass	18'	Honda 130 HP		NA
Whaling today?	No	If not, why	<b>not?</b> Preparing to a	return to Nuiq	sut
Time departed	: NA		Time returned:	NA	
		Waypoint	ts or Coordinates no	oted	
Lat/Long	Way Point #	Time	Notes (if whale - #	<sup>t</sup> of animals, di	rection of travel, behavior)

Direction	on of initial search (and explanation):		
Time sp	pent actively scouting/# people looking:		
Time s	pent in travel/tow/assistance to other boats/o	on "break":	
Notes:	Mainly preparing for departure to Nuiqsut		

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

	Obser		nanng (	JIUW - WUA	inci, sca state, i		
Fog or clouds?	overcast	Weather notes: Overcast		Overcast w	Overcast with later breaks of sun, some rain and snow, windy;		
			BP increasing all day (peaks at 3AM on 9/09)		cs at 3AM on 9/09)		
Wind Direction:		Wind spee	Wind speed and other notes: 20+ mph, peak of 35 mph, low of 5 mph – see WF				
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>		
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:

Date: 09/09/03	Crew:	Napageak	GP	S Type:	Garmin 12/Etrex
Vessel	Туре	Length	HP Motor	# 0	crew aboard/notes
Napageak2	Fiberglass	18'	Honda 130 HP		NA
Whaling today?	No	If not, why	<b>not?</b> Final chores to	prepare to le	eave Cross Island
Time departed	l: <u>NA</u>	-	Time returned:	NA	
		÷ _	ts or Coordinates not		
Lat/Long	Way Point #	Time	Notes (if whale - # o	of animals, dir	ection of travel, behavior
		Ν	JA		
	•				
		1 1 4 4	(traveling, hours sea	1. 0	

#### 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.

**ANIMIDA Task 4 Data Collection Form, 2003** 

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

	0.000					
Fog or clouds?	clouds	Weathe	Weather notes: Windy and cool, very choppy with whitecaps, BP f			ppy 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:			<b>Other Notes:</b>	
Wave Height:		Other no	Other notes on sea conditions		s: Very choppy, with whitecaps	
Other pertinent	notes:	Weather station dismantled		antled		

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?

Use one form for each vessel/day

Use	one	form	for	each	vessel/day
USU	one	101111	IUL	uaun	v cooci/ ua v

Date: 09/10/03	Crew:	Napageak	G	PS Type:	Garmin 12/Etrex
Vessel	Туре	Length	HP Motor		# crew aboard/notes
Napageak2	Fiberglass	18'	Honda 130 HP		2/0
Whaling today?	No	If not, why	<b>not?</b> Return to Nu	iqsut	

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)

Direct	on of initial search (and explanation):						
Time s	pent actively scouting/# people looking:						
Time s	pent in travel/tow/assistance to other boats/	on "break":					
Notes:	NAP crew makes an attempt to leave for V	West Dock. It beco	omes eviden	t that NAP4	cannot	handl	e the
	conditions. It is thought that NAP1-3 could j	probably make it t	o West Docl	k, but all ret	urn to Ci	ross Is	land.
	The demobilization barge is in sight by that	time, so there is th	ne option of a	sending the l	boats to	West 1	Dock
					<b>C1</b>		1 00

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**

Fog or clouds?		Weather notes: Windy and			d overcast, with whitecaps – weather station has been		
			dismantled, so no WF for this day		, so no WF for this day		
Wind Direction:		Wind spe	Wind speed and other notes: 20+ mph ?				
% Ice Coverage:	0	Ice Type:			Other Notes:		
Wave Height:	4+ ft	Other no	tes 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
Trying to leave Cross Island		

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

Type

Aluminum

No

Way Point #

Crew: Napageak

Length

24'

Time

Date: 08/23/03

Vessel

Napageak3

Whaling today?

Lat/Long

Time departed: UNK

Crew of 9 in 3 boats

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

GPS Type:

Notes (if whale - # of animals, direction of travel, behavior)

**HP** Motor

Yamaha 115 HP

Waypoints or Coordinates noted

NA

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

Time returned: late

	Describe the day's activity (travening, nour's searching for whates)				
Directi	on of initial search (and explanation):				
Time s	pent actively scouting/# people looking:				
Time s	pent in travel/tow/assistance to other boats/o	on "break":			
Notes:	Left Nuiqsut for Cross Island, crew of 9 in 3	3 boats (probably	evenly distributed). A	Arrived at Cross Island	
	late in the evening.				

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

Observations of Whanning Crew - weather, sea state, ree-conditions				
Fog or clouds?	Weather notes: Researcher not present, no report received – good enough to			nough to
		travel		
Wind Direction:	Wind speed and of	ther notes:		
% Ice Coverage:	Ice Type:		Other Notes:	
Wave Height:	Other notes on sea	a conditions:		
Other partinent notes:				

Other pertinent notes:

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

Engaged in any other subsistence activities?

If yes, describe below

GPS track? No GPS File Name:

If not, why not? Researcher not present so no track collected

Garmin 12/Etrex

# crew aboard/notes

UNK, probably 3

Use one form for each vessel/day

Date: 08/24/03	Crew:	Crew: Napageak		PS Type:	Garmin 12/Etrex	
Vessel	Туре	Length	HP Motor	# c	rew aboard/notes	
Napageak3	Aluminum	24'	Yamaha 115 HP		NA	
Whaling today?	No				t arrived at Cross Island.	
Time departed:		in gas supply, etc. (logistical support for Cross Island not yet mobilized) Time returned: NA				
		Waypoin	ts or Coordinates no	ted		
Lat/Long	Way Point #	Time	Notes (if whale - #	of animals, dire	ection of travel, behavior)	
		1	NA			

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

Directio	on of initial search (and explanation):			
Time sp	pent actively scouting/# people looking:			
Time sp	pent in travel/tow/assistance to other boats/o	on "break":		
Notes:	One or more boats went to West Dock for	gas, and a chop c	ame up which forced so	ome of them to stay
	overnight at West Dock			

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

Fog or clouds?		Weathe	r notes:			
Wind Direction:		Wind spe	ed and oth	ner notes:	Windy - too wi	indy to scout
% Ice Coverage:		Ice Type:			<b>Other Notes:</b>	
Wave Height:		Other no	tes on sea	conditions:	Okay for trav	vel 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 d	lue to chopp	y sea conditions	

# GPS track? NA GPS File Name:

Date: 08/25/03	Crew:	Napageak	G	PS Type:	Garmin 12/Etrex	
Vessel	Туре	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 avaiable			
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	on of initial search (and explanation):	North	
Time s	pent actively scouting/# people looking:	UNK-6:00 PM	
Time s	pent in travel/tow/assistance to other boats/o	on "break":	6:00-6:54 PM in travel back to Cross Island
Notes:	Because the researcher did not arrive on C	ross Island until	08/29/03, no tracks were GPS tracks were
	collected until then. Fortuitously, the GPS u	sed by NAP3 stil	1 had tracks for 8/25 and 8/27. As all three
	NAP boats went out those days and stayed f	airly close togethe	er (since there were no other boats at Cross
	Island at that time to help support them), th	e NAP3 track can	n serve as an approximation for NAP1 and
	NAP2 for those days as well. No detailed repo	ort. Headed north,	then west and north again. May have seen a
	blow to draw them east and spotted a whale	e about 20 miles	north of Cross Island (not marked by crew,
	waypoint "a" is a likely location based on dis	tance and track co	onfiguration). Then scouted north and looped
	back south to about waypoint "b". From thi	s point, resumed	high speed to return to Cross Island. They
	report maybe seeing 3 whales at the furthest n	orth part of the tra	ack but decided to turn back as they were too
	far away from Cross Island with too little sup	port (only their ov	wn 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 call			m and smooth" (report from whaling com. center)		
Wind Direction:		Wind spe	ed and oth	ner notes:			
% Ice Coverage:		Ice Type:			<b>Other Notes:</b>		
Wave Height:		Other no	tes on sea	conditions:			
Other pertinent notes:							

No

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

Engaged in any other subsistence activities?

If yes, describe below

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: 08/26/03	Crew:	Napageak		GP	S Type:	Garmin 12/Etrex		
<b>Dutc.</b> 00, 20, 00		rupugoun		01	b rype.	Guinnin 12, Bulon		
Vessel	Туре	Length	HP Mo	otor		# crew aboard/notes		
Napageak3	Aluminum	24'	Yamaha 1	15 HP		NA		
Whaling today?	No	If not, why	y not? Weat	her				
Time departed	l: <u>NA</u>		Time re	eturned:	NA			
	Waypoints or Coordinates noted							
Lat/Long	Way Point #	Time		whale - #	of animals,	direction of travel, behavior)		
		1	NA					
		II						
	Describe the d		v (traveling,	hours sea	arching for	r whales)		
Direction of initial s	· •	,						
Time spent actively								
Time spent in trave	l/tow/assistance	to other boa	ts/on "break	·"•				
Notes:								
	Observetions	of Wholing	Cuerry mark	h	4040			
Fog or clouds?	Observations	her notes:				d, no reports		
Wind Direction:		speed and ot			C1033 131411			
% Ice Coverage:	Ісе Тур	-		Other No	otes:			
Wave Height:		notes on sea						
Other pertinent r								
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?	rr 3 rne mame:							
II HOL, WHY HOL:								

Use one form for each vessel/day

Date: 08/27/03	Crew:	Napageak	G	GPS Type: Garmin 12/Et		
Vessel	Туре	Length	HP Motor		# crew aboard/notes	
Napageak3	Aluminum	24'	Yamaha 115 HP		UNK	
Whaling today?	Yes	If not, why	v 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

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		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		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 s	pent actively scouting/# people looking:	Likely looking en	tire trips, different speeds at times		
Time s	pent 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 1	east one whale see	en, 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 m	ay have come in to	o "pick up" the other NAP boats or all boats		
	may have made both trips - not reported in a	detail. First trip TO	OT 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 C	ross Island infrastr	ructure 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 ot	her 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
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# GPS track? Yes GPS File Name: NAP3\_082703.mps partial file

ANIMIDA Task 4 D	Form, 2003		Use on	e form for each vessel/day		
Date: 08/28/03 Crew: <u>N</u>		Napageak		GPS Type: Garmin 12/Etrex		
Vessel	Type Length HP Motor		HP Motor	#	crew aboard/notes	
Napageak3	Aluminum	24'	Yamaha 115 HP		NA	
Whaling today?	No	If not, why	w not? Weather, logis	stical mobiliz	ation	
Time departed	: <u>NA</u>	-	Time returned:	NA		
		Waypoin	ts or Coordinates not	ted		
Lat/Long	Way Point #	Time	Notes (if whale - #	of animals, di	rection of travel, behavior)	
		Ν	JA			
	Describe the o	lay's activity	v (traveling, hours sea	arching for v	whales)	

Direction	on of initial search (and explanation):					
Time sp	pent actively scouting/# people looking:					
Time s	pent in travel/tow/assistance to other boats/o	on "break":				
Notes:	Errands and chores on Cross Island. Probable	day that mobiliza	tion 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?		Weathe	r notes:	Windy and choppy		
Wind Direction:		Wind speed and other notes:				
% Ice Coverage:		Ice Type:			<b>Other Notes:</b>	
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:

ANIMIDA Task 4 Data Collection Form, 2003				Use one form for each vessel/day			
Date: 08/29/03	Crew	Napageak	G	GPS Type: Garmin 12/Etrex			
Vessel	Туре	Length	HP Motor	#	crew aboard/notes		
Napageak3	Aluminum	24'	Yamaha 115 HP		NA		
Whaling today?	No	If not, why		pats able to tra	vel from Nuiqsut to Cross		
Island, but too windy	and choppy to s	cout for whal	es				
Time departed	l: <u>NA</u>	_	Time returned	: NA			
		Waypoin	ts or Coordinates no	oted			
Lat/Long	Way Point #	Time	Notes (if whale - #	s (if whale - # of animals, direction of travel, behavior)			
	_	N	NA				
		<u> </u>					
		╉────┟─					
		+					
	Describe the	day's activity	y (traveling, hours se	earching for	whales)		
Direction of initial s							
Time spent actively				·			
Time spent in trave	l/tow/assistance	to other boa	ts/on "break":				
Notes:							
	Observations	of Whaling	Crew - weather, sea	state, ice-cor	ditions		
Fog or clouds?		ther notes:			windy at Cross Island		
Wind Direction:	Wind	speed and of	her notes:	15	to 20 knots		

0				υ		
Wind Direction:		Wind speed and other notes:			15 to 20 knots	
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>	
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			et	
Nata Cara a Talan Jama	l l			4- C1- (		

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

Engaged in any other subsistence activities?	No	If yes, describe below	
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#### GPS track? NA GPS File Name:

ANIMIDA Task 4 D	ata Collection I	Form, 2003		Use of	ne form for each vessel/day
Date: 08/30/03	Crew:	Napageak	G	PS Type:	Garmin 12/Etrex
Vessel	Туре	Length	HP Motor	#	t crew aboard/notes
Napageak3	Aluminum	24'	Yamaha 115 HP		NA
Whaling today? Very windy and chop	No	If not, wh	y not? Weather		
Time departed:	NA		Time returned:	NA	
		Waypoin	ts or Coordinates no	ted	
Lat/Long	Way Point #	Time		of animals, d	irection of travel, behavior)
		1	NA		

Directi	on of initial search (and explanation):		
Time s	pent actively scouting/# people looking:		
Time s	pent in travel/tow/assistance to other boats/o	on "break":	
Notes:	Most crews used this day to work on floats	and other equipn	nent (including bombs). Time also spent or
	cleaning up cabins and other domestic chores.		

Fog or clouds?	HCC	Weather notes: Bright with		ight with some high cloud cover (HCC), BP 29.73 early		
			afternoon		and falling (low	approx. 12PM), temp. 37F
Wind Direction:	NE,ENE	Wind spe	Wind speed and other notes:		s: 14-21+ mph, low about midnight, see weather file	
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>	
Wave Height:	3ft+	Other not	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	for the data logger (to receive signals from all sensors). Rainfall gauge not installed.			
						_

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

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 whali			

## GPS track? NA GPS File Name:

Use one form for each vessel/day

Date: 08/31/03	Crew:	Napageak	GI	PS Type:	Garmin 12/Etrex
Vessel	Туре	Length	HP Motor	#	crew aboard/notes
Napageak3	Aluminum	24'	Yamaha 115 HP		NA
Whaling today? from Nuiqsut to Cross		/			e chop. Boats able to travel
Time departed:			Time returned:	NA	
Lat/Long	Way Point #	Time			rection of travel, behavior)
			NA	,	· · ·

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

Directi	on of initial search (and explanation):		
Time s	pent actively scouting/# people looking:		
Time s	pent in travel/tow/assistance to other boats/o	on "break":	
Notes:	Day spent on domestic chores and helping w	vith Napageak cab	oin project. Weather calmed in the afternoon
	and evening but BO crew prepared their boa	ats and then helpe	ed NAPs with their cabin project. IAN crew
	also preparing.		

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

observations of vitaling of the weather, see state, see conditions						
Fog or clouds?	Fog	Weather	notes:	Temp. 35F	, BP 29.79 and	rising (peaks 3AM 9/01)
Wind Direction:	WNW	Wind spee	ed and oth	ner notes:	0-18 mph, peak	ts 3PM – see WF
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>	
Wave Height:	2-4 ft	Other not	es on sea	conditions:	Better than y	esterday, perhaps could scout later in
					day (can trav	el and NUK boats arrive from NQT)
Other pertinent	Other pertinent notes: See weather station file			le		

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:

ANIMIDA Task 4 Da	ata Collection H	Form, 2003		Use o	ne form for each vessel/day		
Date: 09/01/03	Crew:	Napageak	G	PS Type:	Garmin 12/Etrex		
Vessel	Туре	Length	HP Motor	#	<pre># crew aboard/notes</pre>		
Napageak3	Aluminum	24'	Yamaha 115 HP		3		
Whaling today? Evening (6PM to 8PM	No I time frame)	If not, why	<b>not?</b> Weather mar	ginal for this	boat – trip to West Dock in the		
Time departed:	NA	_	Time returned: NA				
Only a trip to W				k			
		Waypoint	ts or Coordinates no	oted			
Lat/Long	Way Poin	nt# Tir	ne Notes (if whal	e - # of anima	ls, direction of travel, behavior)		
			NA				

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 be	Dats	

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

Fog or clouds?	A little	Weather notes:	Drizzly, w	ith a little fog. B	BP 29.94 early, but falls all day
Wind Direction:	NNW			0	est 9AM, highest after 3PM – see WF
% Ice Coverage:	0	Ice Type:		Other Notes:	
Wave Height:	3-4ft	Other notes on sea conditions:		: Conditions st	till somewhat marginal for scouting –
				choppy, may	be not predicted 3-4 foot seas
Other pertinent notes:		See weather station fi	le		

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
Engageu in any	other subsistence activities.	140	II 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

Date: 09/02/03	Crew:	Napageak	GE	PS Type:	Garmin 12/Etrex
Vessel	Туре	Length	HP Motor	#	t crew aboard/notes
Napageak3	Aluminum	24'	Yamaha 115 HP		3/2
Whaling today?	Yes	If not, why	not? Marginal cond	litions in mo	orning, calms later

#### Time departed: 9:50AM/6:22PM

Time returned: 10:26AM/11:12 PM

#### 1<sup>st</sup> trip 36 minutes, 2<sup>nd</sup> trip 4 hours 50 minutes Waynoints or Coordinates noted

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)

Directi	on of initial search (and explanation):
Time s	pent actively scouting/# people looking:
Time s	pent 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 la				
_		BP falls until 3AM on 9/03				
Wind Direction:	See WF	Wind speed and ot	ther notes:	Windy in morning (20 mph @ 3AM), calmed in		
		_		afternoon (0 mph evening), then increased		
% Ice Coverage:	0	Ice Type:		<b>Other Notes:</b>		
Wave Height:	6-7 feet	Other notes on sea	conditions	: Very choppy	in morning, calmed in afternoon	
Other pertinent notes:		See weather station f	ïle			

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)
 No

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

<b>Date:</b> 09/03/03	Crew:	Napageak	G	PS Type:	Garmin 12/Etrex
Vessel	Туре	Length	HP Motor	_	# crew aboard/notes
Napageak3	Aluminum	24'	Yamaha 115 HP		NA
Whaling today?	No	If not, why	<b>not?</b> Weather – wi	indy and ch	nilly (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)

Directi	on of initial search (and explanation):		
Time s	pent actively scouting/# people looking:		
Time s	pent in travel/tow/assistance to other boats/o	on "break":	
Notes:	Wind continues all day and seas too high (rep	orted to be worst a	near Cross Island). People work on cabins or
	do other chores. Boats taken up out of water	due to probable l	high winds and waves. ASC barge comes to
	Cross Island with John Whitehead (VP Con-	ocoPhillips) to sta	y with IAN crew. NAP3 does a little duck
	hunting and makes a trip to West Dock for pa	ckages, but deeme	ed 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, s	ome breaks of sun, BP rising all day
Wind Direction:	See WF	Wind spee	ed and ot			through day, see WF (low to 25
					mph) – increase	es mostly through the day
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>	
Wave Height:	5+ feet	Other notes on sea conditions:			: Choppy – car	n 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 (noi	ne harvested)	

GPS track? NA GPS File Name: If not, why not? Use one form for each vessel/day

<b>Date:</b> <u>09/04/03</u>	Crew:	Napageak	GI	PS Type:	Garmin 12/Etrex	
Vessel	Туре	Length	<b>HP</b> 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

Use one form for each vessel/day

#### 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)

Directi	on of initial search (and explanation):			
Time s	pent actively scouting/# people looking:			
Time s	pent in travel/tow/assistance to other boats/o	on "break":		
Notes:	Work on gear for whaling, do work on cabina	s, do other domest	tic chores. NUK2 makes a	trip to West Dock
	for some packages BUT too rough for scouti	ing - reported to l	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	r notes:	Very wind	y, cloudy and ov	vercast, some rain; BP rising all day
Wind Direction:	See WF	Wind spe	Wind speed and other notes: 30+ mph, varies through da			s through day, see WF (6 to 33 mph)
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>	
Wave Height:	high	Other not	Other notes on sea conditions: Ext			te caps, no boats out to look
Other pertinent	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	d 1 boat tri	ip to West Dock)

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

ANIMIDA	Task 4 D	ata Collection	ı Form,	2003
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Date: 09/05/03	Crew:	Napageak	<b>GPS Type:</b> Garmin 12/Et		Garmin 12/Etrex
Vessel	Туре	Length	HP Motor# crew aboard/notes		crew aboard/notes
Napageak3	Aluminum	24'	Yamaha 115 HP		3
Whaling today?	Yes	If not, why not?			
Time departed: (	5:14AM		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, behavio		
N70 30 33.0 W147 50 09.	6 NAP3_09050	3a NA	Marked by crew, significance not known		
N70 31 46.0 W147 26 50.	9 nap3_090503	b 8:06 AM	Likely location of initial NAP3 strike (harpoon & float/no bomb)		
N70 31 46.3 W147 25 11.	0 BO2_090503	h 8:24 AM	Chasing NAP3 whale – many bombs put into this whale. May be th 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

Directi	on of initial search (and explanation):	NE	
Time s	pent actively scouting/# people looking:	Complex, but pre	tty much 6:14 - 7:32 AM, 7:38 - 8:06AM
Time s	pent in travel/tow/assistance to other boats/o	on "break":	8:06-9:58 chase and kill; 9:58-3:09 tow
	First part of track missing (overwritten in memory were fairly close together (NAP1 was on its own miles). See NAP2 report. Most boats (except NAP except NAP2 left at this point to scout for whales NAP2 and BO boat reports. NAP3 gave no detail with only a lance and float (darting gun with no b whale. No bomb-by-bomb account has been reco- miles. Whale struck about 12.2 MGCI, killed about	). Headed NE in g 1) were was very class s further north. (and led report and did r omb). The chase was vered to this point.	eneral company of other boats (separated by 1-2 pose to IAN when they struck the whale. All boats d assisted in chase and kill of NAP3 whale).See not mark any waypoints. NAP3 struck the whale as fairly long and many bombs were put into this TOT 8:54, total of at least 46 miles, FDFCI 15
	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 t		29.8 and th	nd then falls		
Wind Direction:	SW	Wind spe	ed and oth	ner notes:	Varies – 0 to 18 mph – see WF		
% Ice Coverage:	0	Ice Type:	Ice Type:		<b>Other Notes:</b>		
Wave Height:		Other notes on sea conditions					
Other pertinent notes: See weather station file			le				

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

Use one form for each vessel/day

Date: 09/06/03	Crew: Napageak		GI	PS Type:	Garmin 12/Etrex
Vessel	Туре	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	on of initial search (and explanation):			
Time sp	pent actively scouting/# people looking:			
Time s	pent in travel/tow/assistance to other boats/o	on "break":		
Notes:	NAP3 to West Dock and the Nuiqsut with "fresh k	ill" to feed the villag	ge.	

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

Fog or clouds?		Weather notes: Windy and			and choppy in morning, calming in afternoon; BP falling		
			all day				
Wind Direction:		Wind spe	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 condition		conditions	s:		
Other pertinent notes:		See weather	er station fil	le			

**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	l until next day	у.

#### GPS track? No GPS File Name:

If not, why not?	Trip to Nuiqsut
------------------	-----------------

#### Date: 09/07/03 Crew: Napageak Garmin 12/Etrex GPS Type: Vessel Type Length **HP** Motor # crew aboard/notes 24' Napageak3 Aluminum Yamaha 115 HP 2 If not, why not? Back from Nuiqsut, then left for Nuiqsut again with Whaling today? No "fresh kill: from NAP2 whale Time departed: 6:59 PM Time returned: 4:33 PM Waypoints or Coordinates noted Way Point # Notes (if whale - # of animals, direction of travel, behavior) Lat/Long Time NA

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

Directi	on of initial search (and explanation):		
Time s	pent actively scouting/# people looking:		
Time s	pent in travel/tow/assistance to other boats/	on "break":	
Notes:	NAP3 returned from Nuisut about 4:33 PM, b	out prepared for an	immediate return to Nuiqsut with the "fresh
	kill" from the NAP2 whale. They arrive there	e about 5AM 9/08	. They left about 6:59 PM. Butchering of the
	NAP2 whale had proceeded to the point when	re it was ready to b	e 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 o	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 back from Nuiqsut, then to Nuiqsut again

ANIMIDA Task 4 Data Collection Form, 2003

Use one form for each vessel/day

ANIMIDA Task 4 D	ata Collection I	Form, 2003		Use or	e form for each vessel/day
Date: 09/08/03	Crew:	Napageak	G	PS Type:	Garmin 12/Etrex
Vessel	Туре	Length	HP Motor	#	crew aboard/notes
Napageak3	Aluminum	24'	Yamaha 115 HP		NA
Whaling today?	No	If not, wh	ny not? In Nuiqsut – :	rest and marg	inal weather
Time departed	NA	-	Time returned:	NA	
		Waypoin	nts or Coordinates no	ted	
Lat/Long	Way Point #	Time	Notes (if whale - #	of animals, di	rection of travel, behavior)

8	 	,	,	,

Direction of initial search (and explanation):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/o	n "break":
<b>Notes:</b> Mainly preparing for departure to Nuiqsut.	

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

observations of vitaling erev weather, sea state, ice conditions							
Fog or clouds?	overcast	Weather notes: Overcast			cast with later breaks of sun, some rain and snow, windy;		
		BP increasing all day (peaks at 3AM on 9/09)					
Wind Direction:		Wind spee	d and ot	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: S		See weather	station f	ïle			

**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:

ANIMIDA Task 4 D	ata Collection I	Form, 2003		Use of	ne form for each vessel/day
Date: 09/09/03	Crew:	Napageak	G	PS Type:	Garmin 12/Etrex
Vessel	Туре	Length	HP Motor	#	crew aboard/notes
Napageak3	Aluminum	24'	Yamaha 115 HP		2
Whaling today? Leave Cross Island fo	No r the season	If not, wh	y not? Return to Cro	ss Island from	n Nuiqsut, help prepare to
Time departed:		-	Time returned:	5:35 PM	
		Waypoir	nts or Coordinates no	ted	
Lat/Long	Way Point #	Time	Notes (if whale - #	of animals, di	irection of travel, behavior)
		-	NA		

Directi	on of initial search (and explanation):			
Time s	pent actively scouting/# people looking:			
Time s	pent in travel/tow/assistance to other boats/o	on "break":		
Notes:	NAP3 arrived back to Cross Island at about	5:35 PM. They the	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 fall			ppy 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:			<b>Other Notes:</b>	
Wave Height:		Other notes on sea conditions		S: Very choppy, with whitecaps		
<b>Other pertinent notes:</b> Weather station di		ation disma	antled			

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:

Use o	ne form	for ea	ch vesse	el/dav
	110 101 111	101 00		/1/ uu y

Date: <u>09/10/03</u> Crew:		Napageak	G	PS Type:	Garmin 12/Etrex	n 12/Etrex
Vessel	Туре	Length	HP Motor		# crew aboard/notes	
Napageak3	Aluminum	24'	Yamaha 115 HP		2/0	
Whaling today?	No	If not, why	not? Return to Nu	iqsut		

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)

Directi	on of initial search (and explanation):					
Time s	pent actively scouting/# people looking:					
Time s	pent in travel/tow/assistance to other boats/	on "break":				
Notes:	NAP crew makes an attempt to leave for W	Vest Dock. It beco	omes evident	that NAP4 can	not handle	the
	conditions. It is thought that NAP1-3 could p	probably make it to	o West Dock,	but all return to	o Cross Isla	nd.
					TTT D	

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**

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

No

Other pertinent notes:

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

# Engaged in any other subsistence activities?

If yes, describe below

Trying to leave Cross Island

GPS track? No GPS File Name:

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

Date: <u>09/07/03</u> Cro		Napageak	GPS 7	Fype:   Garmin 12
Vessel	Туре	Length	HP Motor	# crew aboard/notes
Napageak4	Fiberglass	24'	Yamaha 225 HP	1
Whaling today?	No	If not, wh	<b>y not?</b> To Cross Island t	o help butcher and pack up
Time departed	:		Time returned: <u>5:0</u>	5 PM
		Waypoin	ts or Coordinates noted	
Lat/Long	Way Point #	Time	Notes (if whale - # of a	nimals, direction of travel, behavior)
		]	NA	

Directi	on of initial search (and explanation):		
Time s	pent actively scouting/# people looking:		
Time s	pent in travel/tow/assistance to other boats/	on "break":	
Notes:	NAP4 arrived at Cross Island about 5:05 PM	to help butcher, pa	ack up, and transport stuff back to Nuiqsut.

Observations of Whaling Crew - weather, sea state, ice-conditions							
Fog or clouds?	overcast	Weather notes: Clear but v			ery overcast, some drizzle, breeze increasing; BP		
			falling all day				
Wind Direction:		Wind spe	Wind speed and other notes: 5 to				
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>		
Wave Height:		Other notes on sea conditions		:			
Other pertinent notes: See weather station f		file					

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**Other pertinent notes:** See weather station file 

**ANIMIDA Task 4 Data Collection Form, 2003** 

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

Use one form for each vessel/day
NIMIDA Task 4 D	ata Collection I	Form, 2003		Use one	form for each vessel/day
Date: 09/08/03	Crew:	Napageak	GP	PS Type:	Garmin 12
Vessel	Туре	Length	HP Motor	# c	rew aboard/notes
Napageak4	Fiberglass	24'	Yamaha 225 HP		NA
Whaling today?	No	If not, why	v not? Quota taken		
Time departed	NA	-	Time returned:	NA	
		Waypoint	ts or Coordinates not	ed	
Lat/Long	Way Point #	Time	Notes (if whale - #	of animals, dire	ection of travel, behavior)

Direction	on of initial search (and explanation):		
Time s	pent actively scouting/# people looking:		
Time sp	pent in travel/tow/assistance to other boats/o	on "break":	
Notes:	Mainly preparing for departure to Nuiqsut.		

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

observations of whating crew - weather, sea state, ree-conditions							
Fog or clouds?	overcast	Weather	notes:	Overcast w	Overcast with later breaks of sun, some rain and snow, windy;		
		BP increa			sing 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 f			station f	ïle			

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:

NIMIDA Task 4 D	ata Collection 1	Form, 2003		Use one	e form for each vessel/day
Date: 09/09/03	Crew:	Napageak	Gl	PS Type:	Garmin 12
Vessel	Туре	Length	HP Motor	# c	rew aboard/notes
Napageak4	Fiberglass	24'	Yamaha 225 HP		NA
Whaling today?	No	If not, why	<b>not?</b> Prepare to lea	ve Cross Islan	d for Nuiqsut
Time departed	NA	-	Time returned:	NA	
		Waypoin	ts or Coordinates no	ted	
Lat/Long	Way Point #	Time	Notes (if whale - #	of animals, dire	ection of travel, behavior)
		Ν	JA		
	December the	Jarula a atiruita	y (traveling, hours se		halas)

Directio	on of initial search (and explanation):		
Time sp	pent actively scouting/# people looking:		
Time sp	pent in travel/tow/assistance to other boats/o	on "break":	
Notes:	Chores on Cross Island		

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

obset futions of fifthing of the fifthing below and the conditions								
Fog or clouds?	clouds	Weathe	Weather notes: Windy and			d 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:			<b>Other Notes:</b>			
Wave Height:		Other notes on sea conditions		conditions:	Ve	ery choppy, with whitecaps		
Other pertinent notes: Weather station dismantled			antled					

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:

Use one form for each vessel/day

Date: 09/10/03	Crew:	Napageak	GI	PS Type:	Garmin 12	
Vessel	Туре	Length	HP Motor		# crew aboard/notes	
Napageak4	Fiberglass	24'	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)

Directi	on of initial search (and explanation):
Time s	pent actively scouting/# people looking:
Time s	pent in travel/tow/assistance to other boats/on "break":
Notes:	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 Nuigsut.

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

Fog or clouds?		Weathe	r notes:	Windy and overcast, with whitecaps – weather station has been		
		dismantled, so no WF for this day			this day	
Wind Direction:		Wind speed and other notes: 20+ mph ?				
% Ice Coverage:	0	Ice Type:			Other Notes:	
Wave Height:	4+ ft	Other notes on sea conditions				
Other pertinent	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
Trying to leave Cross Island		

GPS track? No GPS File Name: If not, why not? Trip to West Dock on ACS ferries

Use one form for each vessel/day

Date: 08/31/03	Crew:	Nukapigak	apigak GPS		Garmin 12
Vessel	Туре	Length	HP Motor	#	crew aboard/notes
Nukapigak1	Fiberglass	24'	Yamaha 200 HP		Probably 3
NUK boat 1-3 travel fi	rom Nuiqsut to (	Cross Island	this day, arriving betw	ween 9 and 1	0 PM (closer to 10 PM) with 7
total crew members. N	UK1, as the lar	gest boat, pro	bably had 3 passenge	ers and the of	her boats 2 each.
Whaling today?	No	If not, why	<b>not?</b> Weather – fog	ggy with som	e chop, in transit to Cross Is.

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, be						

#### 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/o	on "break":	
Notes: In transit to Cross Island		

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

	· · · · · · · · · · · · · · · · · · ·						
Fog or clouds?	Fog	Weathe	Weather notes: Temp. 35F, BP 29.79 and rising (peaks 3AM 9/01)				
Wind Direction:	WNW	Wind spe	Wind speed and other notes: 0-18 mph, peaks 3PM – see WF				
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>		
Wave Height:	2-4 ft	Other no	tes on sea	conditions	Better than y	esterday, still can't scout (can travel)	
Other pertinent	notes:	See weather	er station fi	le			

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			

NIMIDA Task 4 Data Collection Form, 2003				Use one	e form for each vessel/day	
Date: 09/01/03	Crew	Nukapigak		GPS Type: Garmi		
Vessel	Туре	Length	HP Motor	# crew aboard/note		
Nukapigak1	Fiberglass	24'	Yamaha 200 HP		NA	
Whaling today?	No	If not, why	<b>not?</b> Small oil pr	roblem		
Time departed:	NA		Time returne	d: <u>NA</u>		
		• •	ts or Coordinates			
Lat/Long	Way Poi	nt # Tim	e Notes (if what	le - # of animals,	direction of travel, behavior)	
	Describe the	dav's activity	v (traveling, hours	searching for w	hales)	
irection of initial se		• •				
ime spent actively s	scouting/# peop	le looking:				

Direction of mitial 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**

	Obse	various of vv hannes	CICW = WCa	mer, sea state,	
Fog or clouds?	A little	Weather notes:	Drizzly, w	ith a little fog, E	BP 29.94 early, but falls all day
Wind Direction:	NNW	Wind speed and ot	her notes:	0-20 mph, lowe	est 9AM, highest after 3PM – see WF
% Ice Coverage:	0	Ice Type:		<b>Other Notes:</b>	
Wave Height:	3-4ft	Other notes on sea	conditions	Conditions st	ill somewhat marginal for scouting –
_				choppy, may	be 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	l after 7AM.	By the end of the day at least 3 or 4 other
polar bears were observed on the island, including a fight/sp	pate between	what the whalers believed was a male bear
and the bear with the cub. During butchering or division of	the whale sh	ares polar bears were approaching the
butcher site and had to be scared away by gunfire (no attem	pt to actually	y shoot them).

GPS track? GPS File Name:

Date: 09/02/03	Crew: Nukapigak		G	GPS Type: Garm		
Vessel	Туре	Length	HP Motor		# crew aboard/notes	
Nukapigak1	Fiberglass	24'	Yamaha 200 HP		6	
Whaling today?	Yes	If not, why	<b>not?</b> Marginal cor			
Time departed:	5:21 PM	41	Time returned hours 2 minutes	<u>9:23 PM</u>		

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":	
migration route of whales. At point "a" report prompted the other crews to go out scouting a At point "b" NUK1 did see a whale – the or	detailed account of trip obtained, but were crossing expected orted seeing a whale that turned out to be a $\log$ – but this still as well (weather conditions had greatly improved by that time). Ily one of the day for them. They did not see or help with BO it 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.

<b>Observations of Whaling Crew - weather, sea state, ice-conditions</b>							
Fog or clouds?	cloudy	Weathe	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:			<b>Other Notes:</b>		
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)
 No

GPS track? Yes GPS File Name: NUK1\_090203.mps If not, why not?

Date: 09/03/03	Crew:	Nukapigak	GI	PS Type:	Garmin 12	
Vessel	Туре	Length	HP Motor	#	crew aboard/notes	
Nukapigak1	Fiberglass	24'	Yamaha 200 HP		NA	
Whaling today?	No	If not, why	<b>not?</b> Weather – win	ndy and chill	у	

Time departed: NA

Time returned: NA

Use one form for each vessel/day

#### 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)

Directi	on of initial search (and explanation):					
Time s	pent actively scouting/# people looking:					
Time s	pent in travel/tow/assistance to other boats/o	on "break":				
Notes:	NUK2 and NUK3 out briefly, but the wind of	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	s Island with John Whitehead (VP ConocoPhillips). NAP3 does				
	a little duck hunting and makes a trip to Wes	st 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	Weather notes: Windy and chilly all day, some breaks of sun, BP rising all				
Wind Direction:	See WF	Wind speed	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:			<b>Other Notes:</b>		
Wave Height:	5+ feet	Other notes on sea conditions: Choppy – can travel BUT not pleasant			n travel BUT not pleasant		
Other pertinent notes: See weather station file			C"1				

**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 (nor	ne harvested)	

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

Date: <u>09/04/03</u>	Crew:	Nukapigak	GI	PS Type:	Garmin 12	
Vessel	Туре	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

**ANIMIDA Task 4 Data Collection Form, 2003** 

Time returned: NA

Use one form for each vessel/day

#### 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)

Directi	on of initial search (and explanation):			
Time s	pent actively scouting/# people looking:			
Time s	pent in travel/tow/assistance to other boats/o	on "break":		
Notes:	Work on gear for whaling, do work on cabina	s, do other domest	tic chores. NUK2 makes a	trip to West Dock
	for some packages BUT too rough for scouti	ing - reported to l	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	Very wind	y, c	cloudy and ov	vercast, some rain; BP rising all day	
Wind Direction:	See WF	Wind spe	Wind speed and other notes: 30+ mph, varies through day, see WF (6 to 33 mph)				
% Ice Coverage:	0	Ice Type:			0	ther Notes:	
Wave Height:	high	Other notes on sea conditions: Extreme white caps, no boats out to look				e 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 1 boat tri	p to West Dock)

## GPS track? NA GPS File Name:

ANIMIDA Task 4 Data Collection Form, 2003			Use one	e form for each vessel/day		
Date: 09/05/03	Crew: Nukapigak		Gl	GPS Type: Ga		
Vessel	Туре	Length	HP Motor	# c	rew 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: N	Time departed: NA   Time returned: NA					
	Waypoints or Coordinates noted					
Lat/Long						

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

		<u> </u>	<u> </u>	U/	0	/	
Directi	on of initial search (and exp	lanation):					
Time s	pent actively scouting/# peop	ple looking:					
Time s	pent in travel/tow/assistance	to other boat	ts/c	on "break":			
Notes:							

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

Fog or clouds?	clouds	Weather notes: Trying to		Trying to s	to snow, temperature in the 30s; BP peaks at 3PM @		
				nen falls			
Wind Direction:	SW	Wind spe	Wind speed and other notes:		Varies – 0 to 18 mph – see WF		
% Ice Coverage:	0	Ice Type:			Other Notes:		
Wave Height:		Other no	Other notes on sea conditions		:		
Other pertinent notes: See weather station file		le					

**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 participate	d in butchering	g	

### GPS track? NA GPS File Name:

ANIMIDA Task 4 Data Collection Form, 2003				Use one	form for each vessel/day	7
Date: 09/06/03	Crew:	Nukapigak	GF	GPS Type: Garmin 12		
Vessel	Туре	Length	HP Motor	# c	rew 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						
		• •	ts or Coordinates noted			
Lat/Long	Way Poin	t # Time	Notes (if whale -	# of animals, d	irection of travel, behavior)	
						-

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			d 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:			<b>Other Notes:</b>		
Wave Height:		Other no	Other notes on sea conditions				
Other pertinent notes: See weather station file		le					

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 d	day.

\_\_\_\_\_

## GPS track? No GPS File Name:

ANIMIDA Task 4 Data Collection Form, 2003				Use one	form for each vessel/day
Date: 09/07/03	Crew:	Nukapigak	bigak GPS Type:		Garmin 12
Vessel	Туре	Length	HP Motor	# ci	rew aboard/notes
Nukapigak1	Fiberglass	24'	Yamaha 200 HP		NA
Whaling today?	No	If not, why	y not? Butcher day, q	uota filled	
Time departed	: <u>NA</u>	_	Time returned:	NA	
		Waypoin	ts or Coordinates not	ed	
Lat/Long	Way Point #	Time	Notes (if whale - # o	of animals, dire	ection of travel, behavior)
		Ν	NA		
		$\left  \right $			
		ł – – –			

Directi	on of initial search (and explanation):				
Time s	pent actively scouting/# people looking:				
Time s	pent in travel/tow/assistance to other boats/o	on "break":			
	Day spent in butchering. NAP2 whale measu				
	with sides of the "V" at end of slit each 13.5	". End of "V" was	s 4" wide. Fluke	s were 13'7.5" wi	ide. Whale
	was male.				

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

Fog or clouds?	overcast	Weather notes: Clear but			out very overcast, some drizzle, breeze increasing; BP	
		falling all day			lay	
Wind Direction:		Wind spee	ed and ot	her notes:	5 to 17 mph	
% Ice Coverage:	0	Ice Type:			Other Notes:	
Wave Height:		Other notes on sea conditions:				
Other pertinent notes:		See weathe	r station f	ïle		

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:

ANIMIDA Task 4 D	ata Collection I	Form, 2003		Use one	form for each vessel/day
Date: 09/08/03	Crew:	Nukapigak	GI	Garmin 12	
Vessel	Туре	Length	HP Motor	# ci	rew aboard/notes
Nukapigak1	Fiberglass	24'	Yamaha 200 HP		NA
Whaling today?	No	If not, why	<b>y not?</b> Preparing to r	eturn to Nuiqsu	ıt
Time departed	: NA	-	Time returned:	NA	
		Waypoin	ts or Coordinates no	ted	
Lat/Long	Way Point #	Time	Notes (if whale - #	of animals, dire	ection of travel, behavior)

Direction of initial search (and explanation):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/o	n "break":
Notes: Mainly preparing for departure to Nuiqsut	

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

Observations of whating orew weather, sea state, see conditions						
Fog or clouds?	overcast	Weather notes: Overcast w			vercast 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:			<b>Other Notes:</b>	
Wave Height:		Other notes on sea conditions: Very choppy				
Other pertinent notes: See weather station t			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:

#### Date: 09/09/03 Crew: Nukapigak GPS Type: Garmin 12 # crew aboard/notes Vessel Type Length **HP** Motor Nukapigak1 24' Yamaha 200 HP 2 or 3 Fiberglass If not, why not? Return to Nuiqsut Whaling today? No

Time departed: 1:47 PM

**ANIMIDA Task 4 Data Collection Form, 2003** 

Time returned: UNK

Use one form for each vessel/day

## 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)

Directi	on of initial search (and explanation):		
Time s	pent actively scouting/# people looking:		
Time s	pent in travel/tow/assistance to other boats/o	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 I		
	NUK1 left somewhat before the other NUK	boats and carried	I more of the gear than the other boats did.
	May have had only 2 crew members on board	l. Still can not go o	over <sup>3</sup> / <sub>4</sub> throttle.

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

Fog or clouds?	clouds	Weather notes: Windy and			cool, very chop	ppy 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:		<b>Other Notes:</b>			
Wave Height:		Other notes on sea conditions:			Ve	ery choppy, with whitecaps	
Other pertinent notes: Weather station disma			antled				

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:

Date: 08/31/03	Crew:	Nukapigak	GPS T	ype: Garmin 12
Vessel	Туре	Length	HP Motor	# crew aboard/notes
Nukapigak2	Aluminum	20'	Yamaha 115 HP w/150 HP lower unit	NA
Whaling today?	No	If not, why	<b>v not?</b> Weather – foggy w	with some chop, in transit to Cross Is.
Time departed:	me departed: <u>NA</u> Time returned: <u>NA</u>			
		Waypoint	ts or Coordinates noted	
Lat/Long	Way Point #	Time	Notes (if whale - # of an	imals, 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/o	on "break":
Notes: In transit to Cross Island.	

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

Fog or clouds?	Fog	Weathe	Weather notes: Temp. 35F, BP 29.79			rising (peaks 3AM 9/01)
Wind Direction:	WNW	Wind speed and other notes:		0-18 mph, peak	s 3PM – see WF	
% Ice Coverage:	0	Ice Type:		<b>Other Notes:</b>		
Wave Height:	2-4 ft	Other no	otes on sea	conditions	Better than y	esterday, still can't scout (can travel)
<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	
Domestic activities, working on cabins, etc.			

### GPS track? Yes GPS File Name: NUK2\_083103.mps

If not, why not? But does not cover the trip to Cross Island – some test runs upriver from Nuiqsut

Date: 09/01/03	Crew:	Nukapigak	GPS Typ	e: Garmin 12
Vessel	Туре	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)

Directi	on of initial search (and explanation):			
Time s	pent actively scouting/# people looking:			
Time s	pent in travel/tow/assistance to other boats/o	on "break":		
Notes:	No real detail obtained for this boat for this date	ay. Tracking on th	e GPS unit was set to "off" as the researcher	
	had not had the time to check the unit befor	e the crew went of	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 no	otes:	Drizzly, w	ith a little fog, E	P 29.94 early, but falls all day
Wind Direction:	NNW	Wind speed and other notes:		0-20 mph, lowe	est 9AM, highest after 3PM – see WF	
% Ice Coverage:	0	Ісе Туре:			<b>Other Notes:</b>	
Wave Height:	3-4ft	Other notes on sea conditions		conditions	Conditions st	ill somewhat marginal for scouting –
				choppy, may	be not predicted 3-4 foot seas	
Other pertinent notes:		See weather sta	ation fil	e		

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:

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

Date: 09/02/03	Crew: Nukapigak		GPS Ty	Garmin 12	
Vessel	Туре	Length	HP Motor	# crew aboard/notes	
Nukapigak2	Aluminum	20'	Yamaha 115 HP w/150 HP lower unit	NA	
Whaling today?	Whaling today?       No       If not, why not?       Most of crew goes out on NUK1				
Time departed:	Time departed: NA     Time returned: NA				
		Waypoin	ts or Coordinates noted		
Lat/Long	Way Poir			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/o	on "break":				
Notes:					

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

Fog or clouds?	cloudy	<b>Weather notes:</b> Windy, cloudy, overcast, some fog – conditions improved later.						
				BP falls until 3AM on 9/03				
Wind Direction:	See WF	Wind speed and other notes:		er notes:	<b>notes:</b> Windy in morning (20 mph @ 3AM), calmed in			
			afternoon (0 m			ph evening), then increased		
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>			
Wave Height:	6-7 feet	Other no	otes on sea	conditions	: Very choppy	in morning, calmed in afternoon		
Other pertinent notes: See weather station file			le					

Uther 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?NoIf yes, describe belowAt 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

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?

Use one form for each vessel/day

Date: 09/03/03	Crew: Nukapigak		GPS Ty	rpe: Garmin 12	
Vessel	Туре	Length	HP Motor	# crew aboard/notes	
Nukapigak2	Aluminum	20'	Yamaha 115 HP w/150	4	
			HP lower unit		
Whaling today?	Yes	If not, why not? Weather – windy and chilly			

#### Time departed: 5:35 AM

#### Time returned: <u>8:21 AM</u> 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)

Directi	on of initial search (and explanation):	North – one area	where whales are expected to be found			
Time s	pent actively scouting/# people looking:	5:35-7:32PM				
Time s	pent in travel/tow/assistance to other boats/o	on "break":	7:32-8:21PM			
Notes:	NUK2 heads out north until it started to get c	hoppy and they the	hought they were far enough. Saw no whales,			
	may have seen a blow about 5 miles out from	m Cross Island. T	hey 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 hur	nting and makes a	trip to West Dock for packages, but deemed			
	too rough for scouting – see NAP3. TOT 2:46	5, distance about 3	30 miles, FDFCI 12 miles.			

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

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

No

**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?

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?

Date: 09/04/03	Crew: Nukapigak		GPS Ty	pe: Garmin 12
Vessel	Туре	Length	HP Motor	# crew aboard/notes
Nukapigak2	Aluminum	20'	Yamaha 115 HP w/150 HP lower unit	NA
Whaling today?	No	If not, why	v 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)

		U/	0	,	
Directi	on of initial search (and explanation):				
Time s	pent actively scouting/# people looking:				
Time s	pent in travel/tow/assistance to other boats/o	on "break":			
Notes:	Work on gear for whaling, do work on cabins	s, do other domest	ic chores. NU	K2 makes a	trip to West Dock
	for some packages BUT too rough for scouti	ng - reported to b	be VERY roug	gh 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 win			dy, cloudy and overcast, some rain; BP rising all day		
Wind Direction:	See WF	Wind speed and other notes:			otes: 30+ mph, varies through day, see WF (6 to 33 mph)		
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>		
Wave Height:	high	Other notes on sea conditions: Extreme white caps, no boats out to look					
Other pertinent notes: See weather station f			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:

ANIMIDA Task 4 Data	a Collection For	rm, 2003		Use one form for each vessel/day		
Date: 09/05/03	Date:         09/05/03         Crew:         Nukapigak			GPS Type: Garmin 12		
Vessel	Туре	Length	HP Motor	# crew aboard/notes		
Nukapigak2	Aluminum	20'	Yamaha 115 HP w/150 HP lower unit	4		
Whaling today?	Yes	lf not, wh	y not?			
Time departed: 5	:48 AM		Time returned: 11:0	4 AM		
			hours 16 minutes ts or Coordinates noted			
Lat/Long	Way Point #	Time		nimals, direction of travel, behavior)		
N70 29 28.0 W147 48 51.3	nuk2_090503a	6:06 AM	Point where two "currents" (c	contours) meet – see notes		
N70 29 29.2 W147 35 21.6	5 NUK2_090503	a 8:56 AM		int of IAN whale (dead). Probably marked and NUK3 still some distance away.		

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

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

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

**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 tow IAN whale, participated in butchering both	whales harv	vested this day

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

Use one form for each vessel/day

Date: 09/06/03	Crew:	Nukapigak	GPS T	gee Garmin 12		
Vessel	Туре	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 Poir	nt # Time	Notes (if whale - # of	Notes (if whale - # of animals, direction of travel, behavior)		
	Describe the d	lay's activity	(traveling, hours search	ing for whales)		
Direction of initial se	arch (and expl	anation):	Head north where what	es had been seen previously		
Time spent actively s			5:19-8:18 PM			
Time spent in travel/				9:31 PM assist; 9:31-11:50 PM tow		
Notes: 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**

Fog or clouds?		Weather notes: Windy an			choppy in more	ning, calming in afternoon; BP falling
		all day				
Wind Direction:		Wind speed and oth		ner notes:	0-20 mph, calmest around 6PM – see WF	
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>	
Wave Height:		Other notes on sea cond		conditions:	:	
Other pertinent notes:		See weather	er station fil	le		

No

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

Engaged in any other subsistence activities?

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?

Use one	form	for	each	vessel/day
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Date: 09/07/03	Crew: Nukapigak		GPS Ty	gee: Garmin 12
Vessel	Туре	Length HP Motor		# crew aboard/notes
Nukapigak2	Aluminum	20' Yamaha 115 HP w/150		NA
		HP lower unit		
Whaling today?	No	If not, why	<b>not?</b> Butcher day, quota	filled

Time departed: <u>NA</u>

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)

Directi	on of initial search (and explanation):				
Time s	pent actively scouting/# people looking:				
Time s	pent in travel/tow/assistance to other boats/	on "break":			
	Day spent in butchering. NAP2 whale measured				
	with sides of the "V" at end of slit each 13.5	". End of "V" was	s 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 over			ery 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 not	tes on sea	conditions	:
Other pertinent notes:		See weather	r station f	ïle	

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?

Date: 09/08/03	Crew:	Nukapigak	GPS Ty	gee Garmin 12
Vessel	Туре	Length	HP Motor	# crew aboard/notes
Nukapigak2	Aluminum	20'	Yamaha 115 HP w/150 HP lower unit	NA
Whaling today?	No	If not, why	<b>not?</b> Preparing to return	to Nuiqsut
Time departed:	Time departed: <u>NA</u>		Time returned: <u>NA</u>	
		Waypoin	ts or Coordinates noted	
Lat/Long	Way Point #	Time	Notes (if whale - # of and	imals, direction of travel, behavior)

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

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

Fog or clouds?	overcast	Weather notes: Overca			vercast 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:			<b>Other Notes:</b>		
Wave Height:		Other notes on sea conditions: Very choppy					
Other pertinent notes: See weather station f			ïle				

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 n	ot?	

Direction of initial search (and explanation): Time spent actively scouting/# people looking:

**Notes:** Mainly preparing for departure to Nuiqsut

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

Date: 09/09/03	Crew: Nukapigak		GPS Type	Garmin 12
Vessel	Туре	Length	HP Motor	# crew aboard/notes
Nukapigak2	Aluminum	20' Yamaha 115 HP w/150 HP lower unit		3
Whaling today?	No	If not, why	<b>not?</b> 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)

Directi	on of initial search (and explanation):				
Time s	pent actively scouting/# people looking:				
Time s	pent in travel/tow/assistance to other boats/o	on "break":			
Notes:	Notes: Travel back to Nuiqsut. Most crews decided to try to return to Nuiqsut, fearing that conditions would of				
	get worse and they would be stuck on Cross I	sland due to weath	ner. 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:			<b>Other Notes:</b>		
Wave Height:		Other notes on sea conditions:			: Ve	ery 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:

Date: 08/31/03	Crew:	Nukapigak	GPS Type:	Garmin 12
Vessel	Туре	Length	HP Motor	# crew aboard/notes
Nukapigak3	Aluminum	16' or 18'	Evenrude 88 HP	NA
Whaling today?	No	If not, why	weather – foggy with s	some chop, in transit to Cross Is.
Time departed:	NA	-	Time returned: <u>NA</u>	
			s or Coordinates noted	
Lat/Long	Way Point #	Time	Notes (if whale - # of animal	s, direction of travel, behavior)
		İ		

Directi	on of initial search (and explanation):		
	pent actively scouting/# people looking:		
Time s	pent in travel/tow/assistance to other boats/o	on "break":	
Notes:	In transit to Cross Island. NUK3 is an alumi	num Lund, and n	hay have been intended mainly as a support
	boat. When NUK1 developed power problem	s, NUK3 was con	sidered more for scouting duties.

<b>Observations of Whaling Crew - weather, sea state, ice-conditions</b>							
Fog or clouds?	Fog	Weathe	Weather notes: Temp. 35F, BP 29.79 and rising (peaks 3AM 9/01)				
Wind Direction:	WNW	Wind spe	Wind speed and other notes: 0-18 mph, peaks 3PM – see WF				
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>		
Wave Height:	2-4 ft	Other no	otes on sea	conditions:	Better than y	esterday, still can't scout (can travel)	

## Other pertinent notes: See weather station file

ANIMIDA Task 4 Data Collection Form, 2003

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? No GPS File Name:

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

Use one form for each vessel/day

Use one form for each vessel/day

Date: 09/01/03	Crew: Nukapigak		GPS Ty	pe: Garmin 12		
Vessel	Туре	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/o	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			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:		<b>Other Notes:</b>				
Wave Height:	3-4ft	Other notes on sea conditions:		: Conditions st	till somewhat marginal for scouting –			
				choppy, maybe not predicted 3-4 foot seas				
Other pertinent notes: See weather station file								

**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:

ANIMIDA Task 4 Data Collection Form, 2003				003		Use	one form for each vessel/day
Date: 09/02/03	3	Crew:	Nukapi	gak	G	PS Type:	Garmin 12
Vessel	Т	уре	Leng	gth	HP Motor		# crew aboard/notes
Nukapigak3	Alu	minum	16' or	18'	Evenrude 88 HP	)	NA
Whaling today?		No	If not,	, why n	ot? Most of crew	goes out or	NUK1
Time departe	d: <u>N</u> A				Time returned:	NA	
			Way]	points o	or Coordinates no	ted	
Lat/Long	1	Way Poir	nt#	Time	Notes (if whale	- # of anima	ls, direction of travel, behavior)
	Desci	ribe the d	lay's act	tivity (t	raveling, hours se	arching for	r whales)
<b>Direction of initial</b>	search (a	and expla	anation)	):			
Time spent actively					[		
Time spent in trav	el/tow/as	sistance t	to other	· boats/	on "break":		
Notes:							
	Obse	rvations	of Wha	ling Cr	ew - weather, sea	state, ice-co	onditions
Fog or clouds?	cloudy		her note	es: W		cast, some	fog – conditions improved later.
Wind Direction:	See WF	F Wind speed and other notes: Windy in morning (20 mph @ 3AM), calmed in					

while Direction.	Sec W1	while speed and other notes.		which in morning (20 mpir @ 5/4wr), canned in		
				afternoon (0 mph evening), then increased		
% Ice Coverage:	0	Ice Type:		<b>Other Notes:</b>		
Wave Height:	6-7 feet	Other no	tes on sea conditions:	Very choppy	in morning, calmed in afternoon	
Other partinent notes. See weather station file			r station file			

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?NoIf 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:

Use one form for each vessel/day

Date: 09/03/03	Crew:	Crew: Nukapigak		уре:	Garmin 12	
Vessel	Туре	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	1	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)

Directi	Direction of initial search (and explanation):		where whales are expected to be found
Time s	pent actively scouting/# people looking:	5:38-7:32PM	
Time s	pent in travel/tow/assistance to other boats/o	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 enou	gh. Saw no whale	es, may have seen a blow about 5 miles out
	from Cross Island (see NUK2 boat report). The	ney saw whalebird	s around there, and many seals and ducks all
	along the track (no segment pointed out as m	ore than any other	segment). Point "a" where NUK3 marked a
	whale sighting. The wind continues all day an	nd seas are quite h	high (reported to be worst near Cross Island).
	Other crews work on cabins or do other chore	es. Boats taken up	out of water due to probable high winds and
	waves. ASC barge comes to Cross Island w	ith John Whitehea	ad (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, FDF	CI 12 miles.	

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

Fog or clouds?	overcast	Weather	notes:	Windy and	chilly all day, s	ome breaks of sun, BP rising all day
Wind Direction:	See WF	Wind spee	ed and of			through day, see WF (low to 25
					mph) – increase	es mostly through the day
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>	
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 (nor	ne harvested)

GPS track? Yes GPS File Name: NUK3\_090303.mps If not, why not?

\_\_\_\_

Use one form for each vessel/day

Date: 09/04/03	Crew: Nukapigak		GPS Type:		Garmin 12	
Vessel	Туре	Length		HP Motor		# crew aboard/notes
Nukapigak3	Aluminum	16' or 18'	Ev	enrude 88 HP		NA
Whaling today?	No	If not, why	not?	Very windy, cloud	y and o	vercast, 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)

Directi	on of initial search (and explanation):				
Time s	pent actively scouting/# people looking:				
Time s	pent in travel/tow/assistance to other boats/	on "break":			
Notes:	Work on gear for whaling, do work on cabin	s, do other domest	tic 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 wind	Very windy, cloudy and overcast, some rain; BP rising all		
Wind Direction:	See WF	Wind speed and other notes:			30+ mph, varie	s through day, see WF (6 to 33 mph)	
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>		
Wave Height:	high	Other not	Other notes on sea conditions:			te caps, no boats out to look	
Other pertinent	t 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 1 boat tri	p to West Dock)

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

ANIMIDA Task 4 Da	ata Collection I	Form, 2003		Use one form for each vessel/day	
Date: 09/05/03	Crew:	Nukapigak	GPS Ty	pe: Garmin 12	
Vessel	Туре	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 ho	ours 16 minutes		
		Waypoints	or Coordinates noted		
Lat/Long	Way Point	# Time	Notes (if whale - # of animals, direction of travel, behavior)		
	·	•			

Directi	on of initial search (and explanation):	East and SSE, towards narwhal Island along 30 meter contour			
Time s	pent actively scouting/# people looking:	5:48-7:07 AM			
Time s	pent in travel/tow/assistance to other boats/	on "break":	7:07-7:59AM	to reach IAI	N, 7:59-11:04
			AM tow (and p	reparation for	tow)
Notes:	NUK2 and NUK3 stayed close together this day, a				
	partial, but NUK2 track said to be just about the sa	me. They did not se	e any whales, oth	er than the one t	hey helped tow,
	and they did not assist in that chase and kill. They	went SSE towards t	he Narwhal Island	l area (where the	y used to whale
	in the past, from a cabin on Narwhal Island). They	report that two "cur	rents" (contour li	nes) meet at abo	ut waypoint "a"
	and they picked the wrong one to follow. They	picked the 30 meter	r current to follow	w since they us	ually find small
	whales near tat current. They said that the other	boats seemed tofollo	ow the 60 meter of	current and four	d some whales.
	They continued scouting until called on the radio	about 7:07 AM, a	t which time the	y turned NW to	wards the other
	boats and increased speed to assist with the IAN v	whale. The whale wa	as killed by the ti	me they arrived	, but NUK2 and
	NUK3 assisted IAN with the tow while the other b	oats continued to sc	out (and eventual	ly took another v	whale). See IAN
	report. TOT of about 5:16, only partial track so N	UK2 track statistics	best available info	ormation (57 tot	al miles, FDFCI
	about 17 miles).				

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

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

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 w	hales harv	vested this day	

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

Use one form for each vessel/day

Date: 09/06/03	Crew: Nukapigak		Crew: Nukapigak GPS Type		Garmin 12
Vessel	Туре	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 Waynoints or Coordinates noted

	waypoints of Coordinates noted						
Lat/Long Way Point #		Time	Notes (if whale - # of animals, direction of travel, behavior)				
N70 41	1 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)

Direction of initial search (and explanation):		Head NE where whales had been seen previously			
Time sp	pent actively scouting/# people looking:	5:19-8:18 PM			
Time sp	pent in travel/tow/assistance to other boats/	/on "break": 8:18-9:31 PM assist; 9:31-11:50 PM tow			PM tow
Notes:	Three NUK boats and the BO crew went out s	couting right after	"public"	butchering of the previou	s whale was
	finished. Weather predicted to get much worse in a	near future, and has	calmed d	lown considerably. NAP cre	ew went out a
	bit later. The BO and NUK crews went out separate	ately, BO2 more not	rth than 1	BO1 and the NUK boats bu	it they joined
	together when BO1 and NUK2 spotted a whale. T	The location of this	whale wa	as not marked by any boat.	Tracks of all
	NUK boats were very similar. NUK2 track is inco	mplete, NUK3 and I	NUK4 m	ore complete. Other boat re	cords (NAP3
	and NAP4, BO crew) should also be consulted. T	hese boats spotted a	and lost s	several whales. All boats m	ay have been
	chasing separate whales when they were called t	o assist with the wh	nale struc	ck by NAP2 (about 8:18 PM	M). See other
	boat reports. TOT 6:31, total distance at least 54 m	niles, FDFCI 17.2 mi	iles.		

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

Fog or clouds?		Weather notes: Windy ar			ndy and choppy in morning, calming in afternoon; BP falling		
		all day					
Wind Direction:		Wind speed and other note			s: 0-20 mph, calmest around 6PM – see WF		
% Ice Coverage:	0	Ice Type:			Other Notes:		
Wave Height:		Other no	otes on sea	conditions	:		
<b>Other pertinent notes:</b> See wea		See weather	er station fil	le			

**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 u	ntil next	day.

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

Date: 09/07/03	Crew:	Nukapigak	GPS T	ype:	Garmin 12
Vessel	Туре	Length	HP Motor		# crew aboard/notes
Nukapigak3	Aluminum	16' or 18'	Evenrude 88 HP	venrude 88 HP	
Whaling today?	No	If not, why	<b>not?</b> Butcher day, quot	a filled	

Time departed: NA

**ANIMIDA Task 4 Data Collection Form. 2003** 

Time returned: NA

Use one form for each vessel/day

## 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)

Directi	on of initial search (and explanation):				
Time s	pent actively scouting/# people looking:				
Time s	pent in travel/tow/assistance to other boats/o	on "break":			
Notes:	Day spent in butchering. NAP2 whale measu	ured 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	s 4" wide. Flukes	were 13'7.5" wide. V	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 weat			station f	ïle		

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:

ANIMIDA Task 4 Da	ata Collection I	Form, 2003	Use one form for each vessel/d		
Date: 09/08/03	Crew:	Nukapigak	GPS T	ype:	Garmin 12
Vessel	Туре	Length	HP Motor	# cre	ew aboard/notes
Nukapigak3	Aluminum	16' or 18'	Evenrude 88 HP		NA
Whaling today?	No	If not, why	<b>not?</b> 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/o	n "break":
Notes: Mainly preparing for departure to Nuiqsut	

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

Fog or clouds?	overcast	Weather	notes:	Overcast w	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 note			20+ mph,peak of 35 mph, low of 5 mph – see WF		
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>		
Wave Height:		Other notes on sea conditions: Very choppy					
Other pertinent notes: See weather station f			ïle				

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:

Use one form for each vessel/day

Date: 09/09/03	Crew:	Nukapigak	GPS Ty	/pe:	Garmin 12	
Vessel	Туре	Length	HP Motor		# crew aboard/notes	
Nukapigak3	Aluminum	16' or 18'	Evenrude 88 HP		2	
Whaling today?	No	If not, why	<b>not?</b> 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)

Directio	on of initial search (and explanation):		
Time sp	pent actively scouting/# people looking:		
Time sp	pent in travel/tow/assistance to other boats/o	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 I	sland due to weath	her. NAP crew stayed to finish some chores.

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

Fog or clouds?	clouds	Weather notes: Windy and			d cool, very choppy with whitecaps, BP falling		
Wind Direction:		Wind speed and other notes:		es: 15-25 mph, falling when weather station taken down			
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>		
Wave Height:		Other no	Other notes on sea conditions		Ve	ery choppy, with whitecaps	
Other pertinent	ent 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:

ANIMIDA Task 4 Data Collection Form, 2003					τ	Use one form for each vessel/day	
Date: 09/05/03		Crew:	Nukapigak		GP	S Typ	e: Garmin 12
Vessel	Т	уре	Length	HP	Motor		# crew aboard/notes
Nukapigak4		minum	16' or 18'	Yama	ha 90 HP		2
Whaling today?		No	If not, why	not? In t	ansit to Cı	oss Isl	and, arrived in the afternoon
Time departe	d:			Timeı	eturned:	mid- to	alate-afternoon
			Waypoint	s or Coord	inates not	ed	
Lat/Long Way Point # Time			# Time	Notes (i	f whale - #	of anin	nals, direction of travel, behavior)
Time spent actively	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 trave							
Notes: Arrived on C	ross Islan	d in the aft	ernoon to help	with butche	ing, packin	g, and t	aking gear to Nuiqsut. – also to scout
	Obse	rvations	of Whaling (	Crew - wea	ther, sea s	state, ic	ee-conditions
Fog or clouds?	clouds	Weat	her notes:	Trying to s 29.8 and th		perature	e in the 30s; BP peaks at 3PM @
Wind Direction:	SW	Wind s	peed and ot	her notes:	Varies – C	) to 18	mph – see WF
% Ice Coverage:	0	Ice Type			Other No	otes:	
Wave Height:			notes on sea				
Other pertinent notes:         See weather station file           Note: Cross Island weather observations are compiled in a separate file (weather station + observer)							
Engaged in any		ubsistenc	e activities?	No		lf yes, o	lescribe below
In transit to Cross Is	land						
GPS track? No	GPS File	Name:	Trip from N	uiqsut to Cr	oss Island		

Use one form for each vessel/day

Date: 09/06/03	Crew:	Nukapigak	GPS Ty	ype:	Garmin 12
Vessel	Туре	Length	HP Motor		# crew aboard/notes
Nukapigak4	Aluminum	16' or 18'	Yamaha 90 HP		2
Whaling today?	Yes	If not, why	not?		

Time returned: 11:50 PM

## Time departed: 5:19 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		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		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	on of initial search (and explanation):	Head NE where v	vhales had been seen previously		
Time sp	pent actively scouting/# people looking:	5:19-8:18 PM			
Time sp	pent 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 s	couting right after	"public" butchering of the previous whale was		
	finished. Weather predicted to get much worse in 1	near future, and has	calmed down considerably. NAP crew went out a		
	bit later. The BO and NUK crews went out separa	ately, BO2 more not	rth than BO1 and the NUK boats but they joined		
	together when BO1 and NUK2 spotted a whale. 7	The location of this	whale was not marked by any boat. Tracks of all		
	NUK boats were very similar. NUK2 track is inco	mplete, NUK3 and I	NUK4 more complete. Other boat records (NAP3		
	and NAP4, BO crew) should also be consulted. T	hese boats spotted a	nd lost several whales. All boats may have been		
	chasing separate whales when they were called the	o assist with the wh	ale struck by NAP2 (about 8:18 PM). See other		
	boat reports. TOT 6:31, total distance 65.7 miles, l	FDFCI 17.2 miles.	-		

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

Fog or clouds?		Weathe	r notes:	Windy and choppy in morning, calming in afternoon; BP falling		
				all day		
Wind Direction:		Wind spe	ed and oth	ner notes:	0-20 mph, calmest around 6PM – see WF	
% Ice Coverage:	0	Ice Type:			Other Notes:	
Wave Height:		Other no	otes on sea	conditions:	5:	
Other pertinent	notes:	See weather	er station fi	le		

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 up	ntil next day	•

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

Date: <u>09/07/03</u>	Crew:	Nukapigak	GPS T	GPS Type: Garmin 12		
Vessel	Туре	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

**ANIMIDA Task 4 Data Collection Form, 2003** 

Time returned: NA

Use one form for each vessel/day

### 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)

Directi	on of initial search (and explanation):				
Time s	pent actively scouting/# people looking:				
Time s	pent in travel/tow/assistance to other boats/o	on "break":			
	Day spent in butchering. NAP2 whale measu				
	with sides of the "V" at end of slit each 13.5	". End of "V" was	s 4" wide. Fluke	s were 13'7.5" v	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 da		falling all d	ay	
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:
ANIMIDA Task 4 Da	ata Collection	Form, 2003		Use one form for each vess	sel/day
Date: 09/08/03	Crew	Nukapigak	GPS T	Garmin 12	
Vessel	Туре	Length	HP Motor	# crew aboard/notes	8
Nukapigak4	Aluminum	16' or 18'	Yamaha 90 HP	NA	
Whaling today?	No	If not, why	<b>not?</b> 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)

Directio	on of initial search (and explanation):		
Time sp	pent actively scouting/# people looking:		
Time sp	pent in travel/tow/assistance to other boats/o	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		Overcast w	vith 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 f			station f	ïle	

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:

Use one form for each vessel/day

Date: 09/09/03	Crew:	Nukapigak	GPS Ty	y <b>pe:</b>	Garmin 12
Vessel	Туре	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)

Directio	on of initial search (and explanation):		
Time sp	pent actively scouting/# people looking:		
Time sp	pent in travel/tow/assistance to other boats/o	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 I	sland due to weath	her. NAP crew stayed to finish some chores.

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

Fog or clou	ıds?	clouds	Weathe	Weather notes: Windy and cool			ppy with whitecaps, BP falling
Wind Direc	tion:		Wind speed and other notes:		: 15-25 mph, falling when weather station taken down		
% Ice Cove	rage:	0	Ice Type:			<b>Other Notes:</b>	
Wave Hei	ght:		Other no	otes on sea	conditions	: Ve	ery choppy, with whitecaps
Other pertinent notes: Weather station dismantled			antled				

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:

Use one form for each vessel/day

Date: 08/29/03	Crew:	Oyagak	G	PS Type:	Garmin 12	
Vessel	Туре	Length	HP Motor	#	# crew aboard/notes	
Oyagak1	Fiberglass	18'	Yamaha 80 HP		3	
Whaling today?	No	If not, why	<b>not?</b> Travel to Cr	oss 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)

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

		_				
Directi	on of initial search (and explanation):					
Time s	pent actively scouting/# people looking:					
Time s	pent in travel/tow/assistance to other boats/o	on "break":				
Notes:	BO2 experienced some engine problems	(overheating) at	the start b	out solved w	with some	tweaking.
	Ahkiviana cabin on Cross Island still quite di	rty (Napageak cre	w had clea	ned up the w	orst of the	e polar bear
	mess and had restored some order, but could	d not work mirac	les) so we	spent until 1	0:30 or so	o making it
	more habitable (clean floors and dishes, take	out soiled bedding	g and replac	ce with clean	, fix up ho	ney bucket
	room, and other "immediate need" fixes).	Then cook and e	eat, watch	videos until	late (past	when the
	researcher nodded off to sleep).					

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

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

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? Followed track from previous year form Nuiqsut to Cross Island (used as a guide/reference)

ANIMIDA Task 4 D	Form, 2003		Use one	form for each vessel/day			
Date: 08/30/03	03 Crew: Oyagak		GI	Garmin 12			
Vessel	Туре	Length	HP Motor	# c	rew aboard/notes		
Oyagak1	Fiberglass	18'	Yamaha 80 HP		NA		
Whaling today? Very windy and chop	No	If not, why	v not? Weather				
	PJ						
Time departed:	: NA	-	Time returned:	NA			
		Waypoint	ts or Coordinates no	ted			
Lat/Long	Way Point #	Time	Notes (if whale - # of animals, direction of travel, behavior				
	1						

Directi	on of initial search (and explanation):					
Time s	pent actively scouting/# people looking:					
Time s	pent in travel/tow/assistance to other boats/o	on "break":				
Notes:	Notes: Most crews used this day to work on floats and other equipment (including bombs). Time also spent of					
	cleaning up cabins and other domestic chores.	•				

Fog or clouds?	HCC	Weather notes: Bright with		t with some high cloud cover (HCC), BP 29.73 early			
		afternoon ar			noon 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:			<b>Other Notes:</b>		
Wave Height:	3ft+	Other not	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.					

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

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 whalir			

# GPS track? NA GPS File Name:

ANIMIDA Task 4	Form, 2003		Use one	e form for each vessel/day		
Date: 08/31/03	Crew:	Oyagak	G	PS Type:	Garmin 12	
Vessel	Туре	Length	HP Motor	# c	rew aboard/notes	
Oyagak1	Fiberglass	18'	Yamaha 80 HP			
Whaling today?	No	If not, why	<b>not?</b> Weather – fo	ggy with some	chop	
Time departed: NA Time returned: NA						
		Waypoint	s or Coordinates no	oted		
Lat/Long	Way Point #	Time			ection of travel, behavior)	
	Describe the d	lay's activity	(traveling, hours s	earching for w	hales)	
<b>Direction of initial</b>					,	
Time spent actively		0				
Time spent in trave						
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	Weathe	Weather notes: Temp. 35F, BP 29.79 and rising (peaks 3AM 9/01)					
Wind Direction:	WNW	Wind spe	Wind speed and other notes:			0-18 mph, peaks 3PM – see WF		
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>			
Wave Height:	2-4 ft	Other no	Other notes on sea conditions:			Better than yesterday, still can't scout (can travel)		
Other pertinent notes:		See weather	er station fi	le				

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:

Use o	ne form	for each	vessel/day
-------	---------	----------	------------

Date: 09/01/03	Crew: Oyagak		G	PS Type:_	Garmin 12	
Vessel	Туре	Length	HP Motor		# crew aboard/notes	
Oyagak1	Fiberglass	18'	Yamaha 80 HP		2	
Whaling today?	Yes	If not, why	not?			— 7

Time departed: 11:34 AM

Time returned: 3:16 PM

#### 3 hours 42 minutes Waypoints or Coordinates noted

waypoints or Coordinates noted							
Way Point #	Time	Notes (if whale - # of animals, direction of travel, behavior)					
		None marked, no narrative report					
bo1_090103a	12:55 PM	Position at time of float attachment (in support)					
bo1_090103b	1:48 PM	Position at time of kill (in support)					
	Way Point # bo1_090103a	Way Point #     Time       bo1_090103a     12:55 PM					

#### 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 sp	pent in travel/tow/assistance to other boats/o	on "break":	12:55-1:53 (kill), did not tow		
	es: 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 participate				
	in the tow (IN, NAP1, NAP2) due to short toy	w 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, w	ith a little fog, E	3P 29.94 early, but falls all day
Wind Direction:	NNW	Wind speed and ot	her notes:	0-20 mph, lowe	est 9AM, highest after 3PM – see WF
% Ice Coverage:	0	Ice Type:		<b>Other Notes:</b>	
Wave Height:	3-4ft	Other notes on sea	conditions	: Conditions st	till somewhat marginal for scouting –
				choppy, may	be not predicted 3-4 foot seas
Other pertinent notes: See weather station file		ile			

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

Use one form for each vessel/day

Date: 09/02/03	Crew:	Oyagak	Gl	PS Type:	Garmin 12
Vessel	Туре	Length	HP Motor		# crew aboard/notes
Oyagak1	Fiberglass	18'	Yamaha 80 HP		2/2
Whaling today?	Yes	If not, why	<b>not?</b> Marginal cond	ditions	

Time departed: 9:4	8 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						
	Wa	aypoints o	r 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; 1	10:20-10:40 PM; 6:10-9:09 PM – 2	
Time s	pent in travel/tow/assistance to other boats/o	on "break":	10:10-10:26 AM 9:09-9:39 PM travel	
Notes:	See BO2 daily boat report for details of the c			
	their commentary on the day's activity. All			
	essentially the same for both BO boats - cond			
	(false) report of a whale sighting by NUK1. B	O1 initially went	further north than did BO2 and had a "loop"	
	that was not explained - but went south when	BO2 saw their fir	st whale and called to them about it.	
	ACS barge arrives on Cross Island a bit			
	ConocoPhillips & building supplies, takes a	way "fresh kill"	for IN whale (IN had arranged for it to be	
	flown to NQT as conditions were marginal			
	FDFCI 2.3 miles; Second trip: TOT 3:29, tota	l of 37.5 miles, Fl	DFCI 12 miles	

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

			0		, ,		
Fog or clouds?	cloudy	Weather notes: Windy, cloudy			loudy, overcast, some fog – conditions improved later.		
_		BP falls until 3AM on 9/03					
Wind Direction:	See WF	Wind speed and other notes:		tes: Windy in morning (20 mph @ 3AM), calmed in			
		-		afternoon (0 mph evening), then increased			
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>		
Wave Height:	6-7 feet	Other not	tes on sea	conditions	: Very choppy	in morning, calmed in afternoon	
Other pertinent	Other partinent notes: See weather station file			0			

**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?NoIf yes, describe belowAt 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: BO1\_090203.mps If not, why not?

ANIMIDA Task 4 D	ata Collection 1	Form, 2003		Use one	form for each vessel/day
Date: 09/03/03	Crew:	Oyagak	GP	S Type:	Garmin 12
Vessel	Туре	Length	HP Motor	<b># c</b>	rew aboard/notes
Oyagak1	Fiberglass	18'	Yamaha 80 HP		NA
Whaling today?	Whaling today?   No   If not, why not?   Weather – windy and chilly				
Time departed: <u>NA</u>			Time returned:	NA	
		Waypoir	nts or Coordinates not	ed	
Lat/Long	Way Point #	Time     Notes (if whale - # of animals, direction of travel, behavior)			

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)

Directi	on of initial search (and explanation):		
Time s	pent actively scouting/# people looking:		
Time s	pent in travel/tow/assistance to other boats/o	on "break":	
Notes:	Crew up early and prepares to go out BUT no	ever does (NUK2	and NUK3 out briefly) - wind continues all
	day and seas too high (reported to be worst a	near Cross Island)	. People work on cabins or do other chores.
	Boats taken up out of water due to probable l	high winds and wa	aves. ASC barge comes to Cross Island with
	John Whitehead (VP ConocoPhillips). NAP3	does a little duck	c 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, s	ome 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) - increase	es mostly through the day
	0	T T			Odlars Natara	
% Ice Coverage:	0	Ice Type:			Other Notes:	
Wave Height:		~ ~				n travel BUT not pleasant

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 (no	one harvested)

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

Date: <u>09/04/03</u>	Crew:	Oyagak	0	GPS Type:_	Garmin 12	
Vessel	Туре	Length	HP Motor		# crew aboard/notes	
Oyagak1	Fiberglass	18'	Yamaha 80 HP		NA	
Whaling today?	No	If not, why	<b>not?</b> Very windy,	cloudy and	overcast, some rain	

Time departed: NA

**ANIMIDA Task 4 Data Collection Form, 2003** 

Time returned: NA

Use one form for each vessel/day

#### 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)

Directi	on of initial search (and explanation):			
Time s	pent actively scouting/# people looking:			
Time s	pent in travel/tow/assistance to other boats/o	on "break":		
Notes:	Work on gear for whaling, do work on cabina	s, do other domest	tic chores. NUK2 makes a	trip to West Dock
	for some packages BUT too rough for scouti	ing - reported to l	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	r notes:	Very wind	y, cloudy and ov	vercast, some rain; BP rising all day
Wind Direction:	See WF	Wind spe	Wind speed and other notes: 30+ mp			s through day, see WF (6 to 33 mph)
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>	
Wave Height:	high	Other notes on sea conditions: Extreme white caps, no boats out to look				
Other pertinent	notes:	See weather	er station f	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	l 1 boat trip to	West Dock)

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

Use one form for each vessel/day

Date: 09/05/03	Crew:	Oyagak	(	GPS Type:_	Garmin 12
Vessel	Туре	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

	W	aypoints of	r 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)

North – where whales had been seen, boats stay together Direction of initial search (and explanation): 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":

Notes: 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**

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

**Other pertinent notes:** See weather station file

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

If yes, describe below
ring

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

Use o	ne form	for each	vessel/day
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Date: 09/06/03	Crew:	(	GPS Type:_	Garmin 12	
Vessel	Туре	Length	HP Motor		# crew aboard/notes
Oyagak1	Fiberglass	18'	Yamaha 80 HP		3
Whaling today?	Yes	If not, why	v 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 s	pent actively scouting/# people looking:	7:26-8:38 PM		
Time s	pent in travel/tow/assistance to other boats/o	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" but	tchering of the previous whale was finished.	
	Weather predicted to get much worse in nea	r future, and has	calmed down considerably. NAP crew goes	
	out a bit later. The BO and NUK crews scout	ed separately, the	n met when BO1 and NAP? Spotted a whale	
	and followed it NW. Lost it (see BO2 track) a	and looked togethe	er and were actively following a whale when	
	they were called to assist with the whale NA	P2 had struck. Se	e 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 spe	Wind speed and other notes: 0-20 mph, calmest around 6PM – see			est around 6PM – see WF
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>	
Wave Height:		Other no	tes on sea	conditions:		
Other pertinent notes:		See weather	er station fil	le		

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 u	until next da	ay.	

GPS track? Yes GPS File Name: BO1\_090603.mps If not, why not?

Date: 09/07/03	Crew:	Oyagak	GI	PS Type:_	Garmin 12	
Vessel	Туре	Length	HP Motor		# crew aboard/notes	
Oyagak1	Fiberglass	18'	Yamaha 80 HP		NA	

Use one form for each vessel/day

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

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)

Dire	tion of initial search (and explanation):				
Time	spent actively scouting/# people looking:				
Time	spent in travel/tow/assistance to other boats/	on "break":			
Note	: Day spent in butchering. NAP2 whale measured	ured as 40'1" but r	reduced to 39'1'	due to bent tape	e. Slit 3'2",
	with sides of the "V" at end of slit each 13.5	5". End of "V" was	s 4" wide. Fluke	s were 13'7.5" w	vide. 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 spee	Wind speed and other notes: 5 to 17 mph		
% Ice Coverage:	0	Ice Type:			Other Notes:
Wave Height:		Other not	Other notes on sea conditions:		
<b>Other pertinent notes:</b> See		See weathe	r station f	ïle	

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:

ANIMIDA Task 4 Da	ata Collection I	Form, 2003		Use one	form for each vessel/day
Date: 09/08/03	Crew:	Oyagak	GP	S Type:	Garmin 12
Vessel	Туре	Length	HP Motor	# c	rew aboard/notes
Oyagak1	Fiberglass	18'	Yamaha 80 HP		NA
Whaling today?	NO	If not, why	<b>not?</b> Preparing to re	eturn to Nuiqsu	ut
Time departed:	NA		Time returned:	NA	
		Waypoint	ts or Coordinates not	ed	
Lat/Long	Way Point #	Time	Notes (if whale - # o	of animals, dire	ection of travel, behavior)

Direction of initial search (and explanation):	
Time spent actively scouting/# people looking:	
Time spent in travel/tow/assistance to other boats/o	n "break":
Notes: Mainly preparing for departure to Nuiqsut	

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

Observations of Whating Crew Weather, sea Suite, ree conditions						
Fog or clouds?	overcast	Weather notes: Overcast v			ercast with later breaks of sun, some rain and snow, windy;	
		BP increasing all day (peaks at 3AM on 9/09)				
Wind Direction:		Wind spee	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 note	Other notes on sea conditions: Very choppy			
<b>Other pertinent notes:</b> See weather s		station f	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:

ANIMIDA Task 4 Da	ata Collection I	Form, 2003		Use one form for each vessel/da			
Date: 09/09/03	Crew:	Oyagak	G	PS Type:	Garmin 12		
Vessel	Туре	Length	HP Motor		# crew aboard/notes		
Oyagak1	Fiberglass	18'	Yamaha 80 HP	80 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)

Directio	on of initial search (and explanation):		
Time sp	pent actively scouting/# people looking:		
Time sp	pent in travel/tow/assistance to other boats/o	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 I	sland due to weath	her. NAP crew stayed to finish some chores.

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

Fog or clouds?	clouds	Weathe	r notes:	Windy and	l 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:			<b>Other Notes:</b>		
Wave Height:		Other no	Other notes on sea conditions		s: 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:

Use one form for each vessel/day	Use one	form	for	each	vessel/day
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Date: 08/29/03	Crew:	: Oyagak		GPS Type:		Garmin 12
Vessel	Туре	Length	HP Motor			# crew aboard/notes
Oyagak2	Fiberglass	20'	Yamaha 150 HP			4
Whaling today?	No	If not, why not? Travel to Cross Island				

Time departed:	Time departed:1:34 PMTime returned:7:00 PM (at Cross Island)						
5 hours 26 minutes to Cross Island							
		Waypoi	nts 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)

Directi	on of initial search (and explanation):				
Time s	pent actively scouting/# people looking:				
Time s	pent in travel/tow/assistance to other boats/	on "break":			
Notes:	Experienced some engine problems (overhead				
	cabin on Cross Island still quite dirty (Napag	eak crew had clea	ned up the wors	t of the polar bea	ar mess and
	had restored some order, but could not wo	rk miracles) so v	ve spent until 10	0:30 or so maki	ng it more
	habitable (clean floors and dishes, take out	soiled bedding an	nd replace with	clean, fix up ho	ney bucket
	room, and other "immediate need" fixes).	Then cook and e	at, watch video	s until late (pas	t when the
	researcher nodded off to sleep).				

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

Fog or clouds?	No	Weathe	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 y			et				

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? Followed track from previous year form Nuiqsut to Cross Island (used as a guide/reference)

ANIMIDA Task 4 D	Form, 2003		Use one	form for each vessel/day	
Date: 08/30/03	Crew:	Oyagak	GPS Type: Garmin 12		
Vessel	Туре	Length	HP Motor	# c	rew aboard/notes
Oyagak2	Fiberglass	20'	Yamaha 150 HP		NA
Whaling today? Very windy and chop	No	If not, why	w not? Weather		
Time departed:		-	Time returned:	NA	
		Waypoin	ts or Coordinates not	ed	
Lat/Long	Way Point #	Time	Notes (if whale - #	of animals, dire	ection of travel, behavior)

Directi	on of initial search (and explanation):		
Time s	pent actively scouting/# people looking:		
Time s	pent in travel/tow/assistance to other boats/o	on "break":	
Notes:	Most crews used this day to work on floats	and other equipn	nent (including bombs). Time also spent or
	cleaning up cabins and other domestic chores.		

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			approx. 12PM), temp. 37F	
Wind Direction:	NE,ENE	Wind spe	Wind speed and other notes: 14-21+ mph, low about midnight, see weather file				
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>		
Wave Height:	3ft+	Other notes on sea conditions: Very choppy					
Other pertinent notes: Weather station insta			alled about 3	3:30 PM. Took	several tries to find a good location		
		for the data	for the data logger (to receive signals from all sensors). Rainfall gauge not installed.				

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

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 whali	ng equipment.		

# GPS track? NA GPS File Name:

ANIMIDA Task 4 I	Data Collection H	Form, 2003		Use one form for each vessel/day			
<b>Date:</b> <u>08/31/03</u> <b>Crew:</b> <u>Oyaga</u>			G	PS Type:	Garmin 12		
Vessel	Туре	Length	HP Motor	# c	rew aboard/notes		
Oyagak2	Fiberglass	20'	Yamaha 150 HP		NA		
Whaling today?	No	If not, why	<b>not?</b> Weather – fog	ggy with some	chop		
Time departed: <u>NA</u> Time returned: <u>NA</u>							
		Waypoint	s or Coordinates no	ted			
Lat/Long	Way Point #	Time	Notes (if whale - #	of animals, dire	ection of travel, behavior)		
	Describe the c	lov's optivity	(traveling, hours se	arching for w	halas)		
Direction of initial s			(travening, nours se	arching for wi			
Time spent actively	· •	,					
Time spent in travel		0	s/on "break":				
Notes: Day spent on				project.			

Observations of V	Whaling Crew	- weather, sea state, ic	e-conditions

Fog or clouds?	Fog	Weather notes: Temp. 35F,		np. 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:			<b>Other Notes:</b>	
Wave Height:	2-4 ft	Other no	Other notes on sea conditions:			esterday, still can't scout (can travel)
Other pertinent	See weather	er station fil	le			
		·				· · · · · · · · · · · · · · · · · · ·

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:

Use one	e form	for	each	vessel/day
	, 101 111	101	uuun	v cooci/ ua y

Date: 09/01/03	Crew:	Oyagak	GP	S Type:	Garmin 12	
Vessel	Туре	Length	HP Motor	i	# crew aboard/notes	
Oyagak2	Fiberglass	20'	Yamaha 150 HP		4	
Whaling today?	Yes	If not, why	v 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)

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 sp	oent in travel/tow/assistance to other boats/o	on "break":	12:55-1:53 (kill), did not tow		
Notes:	es: 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 the				
	chase and the killl, 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**

Fog or clouds?	A little	Weather notes: Drizzly, wi			ith a little fog, BP 29.94 early, but falls all day		
Wind Direction:	NNW	Wind speed and other notes:		her notes:	<b>notes:</b> 0-20 mph, lowest 9AM, highest after 3PM – see WF		
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>		
Wave Height:	3-4ft	Other notes on sea conditions					
					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: BO2\_090103.mps If not, why not? Use one form for each vessel/day

Date: 09/02/03	Crew:	Oyagak		GPS Type: Garmin 12		
Vessel	Туре	Length	HP Motor	#	# crew aboard/notes	
Oyagak2	Fiberglass	20'	Yamaha 150 HP		3/4	
Whaling today?	Yes	If not, why not? Marginal conditions				

# 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

waypoints of 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 9:48-10:10 AM; 10:20-10:40 AM; 6:10-9:09 PM - 4 Time spent actively scouting/# people looking: 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, clo			, cloudy, overcast, some fog – conditions improved later.		
			BP falls until 3AM on 9/03			3	
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:			<b>Other Notes:</b>		
Wave Height:	6-7 feet	Other notes on sea conditions			: Very choppy	in morning, calmed in afternoon	
Other pertinent notes: See weather station file			e				

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

Engaged in any other subsistence activities? No If y

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 n	ot?		

ANIMIDA Task 4 I	Data Collection I	Form, 2003		Use one	e form for each vessel/da	ıy
Date: 09/03/03	Crew:	Oyagak	GI	PS Type:	Garmin 12	
Vessel	Туре	Length	HP Motor	# c	erew aboard/notes	
Oyagak2	Fiberglass	20'	Yamaha 150 HP		NA	
Whaling today?	No	If not, wh	<b>y not?</b> Weather – wi	ndy and chilly		
Time departed	: <u>NA</u>	-	Time returned:	NA		
		Waypoi	nts or Coordinates no	ted		
Lat/Long	Way Point #	Time	Notes (if whale - #	of animals, dir	ection of travel, behavior)	
			None			

0	,	
		None

Directi	on of initial search (and explanation):		
Time s	pent actively scouting/# people looking:		
Time s	pent in travel/tow/assistance to other boats/o	on "break":	
Notes:	Crew up early and prepares to go out BUT no	ever does (NUK2	and NUK3 out briefly) - wind continues all
	day and seas too high (reported to be worst a	near Cross Island)	. People work on cabins or do other chores.
	Boats taken up out of water due to probable l	high winds and wa	aves. 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	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			through day, see WF (low to 25	
					mph) - increase	es mostly through the day
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>	
Wave Height:	5+ feet	Other notes on sea conditions: Choppy – can travel BUT not pleasant				
Other pertinent notes: See weather station f			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 (no	one harvested)

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

ANIMIDA Task 4 Da	ata Collection I	Form, 2003		Use	one form for each vessel/day
Date: 09/04/03	Crew:	Oyagak	Gl	PS Type:_	Garmin 12
Vessel	Туре	Length	HP Motor		# crew aboard/notes
Oyagak2	Fiberglass	20'	Yamaha 150 HP		NA
Whaling today?	No	If not, why	v not? Very windy, o	cloudy and	overcast, some rain
Time departed:	NA		Time returned:	NA	

# Waypoints or Coordinates noted Way Point # Time Notes (if whale - # of animals, direction of travel, behavior) Lat/Long None

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

Directi	on of initial search (and explanation):		
Time s	pent actively scouting/# people looking:		
Time s	pent in travel/tow/assistance to other boats/	on "break":	
Notes:	Work on gear for whaling, do work on cabin	s, do other domest	tic chores. NUK2 makes a trip to West Dock
	for some packages BUT too rough for scouti	ing - reported to l	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	r notes:	Very wind	y, cloudy and	d overcast, some rain; BP rising all day
Wind Direction:	See WF	Wind spe	Wind speed and other notes: 30+ mph, varies through day			ries through day, see WF (6 to 33 mph)
% Ice Coverage:	0	Ice Type:			Other Notes	es:
Wave Height:	high	Other not	Other notes on sea conditions: Extre			vhite caps, no boats out to look
Other pertinent notes: See weather station f			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	d 1 boat trij	to West Dock)	

### GPS track? NA GPS File Name:

ANIMIDA Task 4 Data Collection Form, 2003				Use one form	for each vessel/day	
Date: 09/05/03	Crew: C	yagak	GPS Type: Garmin 12			
Vessel	Туре	Length	HP Motor	# crew al	ooard/notes	
Oyagak2	Fiberglass	20'	Yamaha 150 HP		3	
Whaling today?	Yes	If not, wh	y not?			
Time departed: 6	:06 AM		Time returned:	3:12 PM		
9 hours 6 minutes Waypoints or Coordinates noted						
Lat/Long	Way Point #	Time		of animals, direction	of travel, behavior)	
N70 31 58.1 W147 50 17.6	5 bo2_090503a	6:23 AM	Position where BO2 slo whale or increased sear		ndicating sighting a	
N70 33 08.8 W147 37 23.9	bo2_090503b	7:07 AM	Position where BO2 inc crew, clearly in respons			
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 AM, then leaves to scou	area for IN whale – BO2 t for more whales		
N70 32 14.9 W147 29 46.5	5 bo2_090503e	8:02 AM	Area where NAP3 what	e may have been 1 <sup>st</sup> see	n - by BO2?	
N70 31 51.2 W147 29 18.1	BO2_090503f	NA	Reference point for this			
N70 31 46.0 W147 26 50.9	bo2_090503g	8:06 AM	Likely location of initia	NAP3 strike (harpoon/	no bomb)	
N70 31 46.3 W147 25 11.0			Chasing NAP3 whale – area of the initial strike	(harpoon/no bomb)	•	
N70 34 00.1 W147 23 36.7	7 bo2_090503i	9:55 AM	Chasing NAP3 whale, r	ear the end - one of the	last shots	

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			o snow, temperature in the 30s; BP peaks at 3PM @	
		29.8 and the			en falls	
Wind Direction:	SW	Wind spe	Wind speed and other notes:		Varies $-0$ to $18 \text{ mph} - \text{see WF}$	
% Ice Coverage:	0	Ice Type:			<b>Other Notes:</b>	
Wave Height:		Other no	Other notes on sea conditions			
Other pertinent notes: See weather station fil		le				

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

If yes, describe below **Engaged in any other subsistence activities?** No Other crews landed 2 whales and all crews participated in butchering

GPS track? Yes GPS File Name: BO2\_090503.mps If not, why not?

Use one form for each vessel/day

Date: 09/06/03	Crew: Oyagak		GI	PS Type:	Garmin 12	
Vessel	Туре	Length	HP Motor	#	<sup>t</sup> crew aboard/notes	
Oyagak2	Fiberglass	20' Yamaha 150 HP			2	
Whaling today?	Yes	If not, why	v not?			

#### Time departed: 5:30/5:42 PM

#### **Time returned:** 11:51 PM

#### 6 hours 9 minutes Waynoints or Coordinates noted

waypoints of 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)

Directi	on of initial search (and explanation):	Head north where whales had been seen previously					
Time s	pent actively scouting/# people looking:	7:26-8:38 PM					
Time s	pent 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	er "public" butcheri	ng 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 no	orth than BO1 and th	e NUK boats but they joined together when BO1				
	and NUK2 spotted a whale. The location of this w	whale was not marke	d by any boat, but BO2 scouted for it in the area				
	between waypoints bo2_090606a and bo_090603b	(when it was at slov	wer "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 w	aypoint BO2_09060	3e (in that area – several whales there) when they				
	were called to assist with the whale struck by NA	P2 (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			d choppy in morning, calming in afternoon; BP fallin	
				all day		
Wind Direction:		Wind speed and other notes:		ner notes:	0-20 mph, calmest around 6PM – see WF	
% Ice Coverage:	0	Ice Type:			Other Notes:	
Wave Height:		Other no	Other notes on sea conditions		:	
Other pertinent notes: See weather station fil		le				

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 n	ot?		

ANIMIDA Task 4 D	ata Collection I	Form, 2003		Use one	form for each vessel/day
Date: 09/07/03	Crew: Oyagak GPS Ty		PS Type:	Garmin 12	
Vessel	Туре	Length	HP Motor	# c	rew aboard/notes
Oyagak2	Fiberglass	20'	Yamaha 150 HP		NA
Whaling today?	No	If not, wh	<b>by not?</b> Butcher day,	quota filled	
Time departed	: NA	-	Time returned:	NA	
		Waypoin	nts or Coordinates no		
Lat/Long	Way Point #	Time		of animals, dire	ection of travel, behavior)
			NA		

Directi	on of initial search (and explanation):				
Time s	pent actively scouting/# people looking:				
Time s	pent in travel/tow/assistance to other boats/o	on "break":			
	Day spent in butchering. NAP2 whale measured				
	with sides of the "V" at end of slit each 13.5	". End of "V" was	s 4" wide. Fluke	s were 13'7.5" wi	ide. Whale
	was male.				

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

Fog or clouds?	overcast	Weather notes: Clear but		Clear but v	ar but very overcast, some drizzle, breeze increasing; BP	
0				falling all day		
Wind Direction:		Wind spe	Wind speed and other notes: 5 to 17 mph			
% Ice Coverage:	0	Ice Type:			Other Notes:	
Wave Height:		Other not	tes on sea	conditions	:	
<b>Other pertinent notes:</b> See weather station f		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:

ANIMIDA Task 4 D	Form, 2003		Use one	form for each vessel/day		
Date: 09/08/03	Crew:	Oyagak	GP	GPS Type: Garmin 12		
Vessel	Туре	Length	HP Motor	# c	rew aboard/notes	
Oyagak2	Fiberglass	20'	Yamaha 150 HP		NA	
Whaling today?	NO	If not, why	y <b>not?</b> Preparing to re	eturn to Nuiqsı	ut	
Time departed:	NA	-	Time returned:	NA		
		Waypoin	ts or Coordinates not	ed		
Lat/Long	Way Point #	Time	Notes (if whale - # o	of animals, dire	ection of travel, behavior)	

Directi	on of initial search (and explanation):		
Time s	pent actively scouting/# people looking:		
Time s	pent in travel/tow/assistance to other boats/o	on "break":	
Notes:	Mainly preparing for departure to Nuiqsut		

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

	Obser	unions of 11	maning (	sien neu	ther, sea state, see conditions		
Fog or clouds?	overcast	Weather notes: Overcast v			vercast with later breaks of sun, some rain and snow, windy;		
			BP increasing all day (peaks at 3AM on 9/09)				
Wind Direction:		Wind spee	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		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:

ANIMIDA Task 4 Da	Form, 2003		Use one form for each vessel/da			
Date: 09/09/03	Crew:	Oyagak	GI	PS Type:	Garmin 12	
Vessel	Туре	Length	HP Motor	#	crew aboard/notes	
Oyagak2	Fiberglass	20'	Yamaha 150 HP		3	
Whaling today?	No	If not, why	<b>not?</b> Return to Nui	qsut		
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)

Directio	on of initial search (and explanation):		
Time sp	pent actively scouting/# people looking:		
Time sp	pent in travel/tow/assistance to other boats/o	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 I	sland due to weath	ner. NAP crew stayed to finish some chores.

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

Fog or clouds?	clouds	Weather notes: Windy and			d 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:		<b>Other Notes:</b>			
Wave Height:		Other notes on sea conditions		Ve	ery 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: