

COMIDA Flight 211 – July 12 2009

Area flown: Transect 9, complete; 23, partial; Coastal Transect from Wainwright to Ledyard Bay

Total hours flown: 5.8

Total transect hours: 2.9

Number of bowheads seen: 0 (0 calves)

Weather and visibility: Excellent survey conditions on coastal transect until south of Pt. Lay, when winds and sea states increased substantially. Sea state in southern area was Beaufort 5-7. Sea state on transect 9 was Beaufort 1-2, with 40-90% ice along the offshore half and mostly open water in the nearshore half. Ice varied from 0-90% throughout the area surveyed; offshore limit of heavy broken floe ice is ~71.25N. There is also a narrow band of 40-60% broken floe ice in the nearshore area.

Sightings: Gray whales (including six cow-calf pairs), belugas, unidentified cetaceans, walrus, and unidentified pinnipeds

Bowhead Preliminary Summary, Flight 211 Date: 7/12/2009

Total bowheads: 0	Start time: 7/12/2009 9:00:31 AM	End time: 7/12/2009 2:49:42 PM
Bowhead sightings: 0	Transect minutes: 172	Transect km:599.4
Bowheads on transect: 0	Circling minutes: 19	Circling km: 29.4
Bowhead Cow-calf pairs: 0	Trans+Circ minutes: 191	Trans+Circ km: 628.8
Bowhead Cow-calf Pairs on transect: 0	Search minutes: 91	Search km: 331.1
Bowhead repeats: 0	Total minutes: 349	Total km: 1234.6
Possible repeats: 0	Deadhead minutes: 67	Deadhead km: 274.7
Total gray whales: 31	Search blocks: 12, 0, 13, 20, 21, 15, 17	
Total belugas: 278	Transect blocks: 13, 0, 17, 20, 21, 15, 14	
Other whale sightings: 1		
Total walrus: 983		
Total bear: 0		

Event	Lat	Long	Block	Species	Total	Repeat	Calves	Swim direction	Swim Speed	Behavior	On effort
20	71.25	-157	12	gray whale	1	.	0	-1	.	mill	False
38	71.09	-157.89	13	gray whale	1	.	0	-1	.	feed	False
40	71.08	-157.99	13	gray whale	1	.	0	-1	.	feed	False
41	71.07	-158.02	13	gray whale	1	.	0	-1	.	feed	False
42	71.07	-158.05	13	gray whale	1	.	0	-1	.	feed	False
43	71.06	-158.08	13	beluga whale	3	.	0	-1	.	feed	False
97	70.49	-160.5	17	gray whale	2	.	0	159	.	swim	True
111	70.38	-160.9	17	beluga whale	275	.	37	82	.	.	True
149	70.2	-162.36	17	gray whale	2	.	1	-1	.	cow with calf	True
524	70.88	-160.24	17	gray whale	1	.	0	312	.	swim	True
531	70.81	-160.02	17	gray whale	2	.	0	-1	.	feed	True
532	70.81	-160.01	13	gray whale	1	.	0	-1	.	feed	True
533	70.79	-159.97	0	gray whale	2	.	1	221	.	cow with calf	True
551	70.82	-159.97	13	gray whale	1	.	0	-1	.	feed	False
553	70.84	-159.84	13	gray whale	2	.	1	-1	.	feed	False

554	70.85	- 159.79	13	gray whale	2	.	0	-1	.	swim	False
555	70.85	- 159.78	13	gray whale	1	.	0	-1	.	swim	False
556	70.86	- 159.71	13	unknown cetacean	1	.	0	-1	.	swim	False
573	70.98	- 158.93	13	gray whale	4	.	2	-1	.	feed	False
581	70.97	- 158.91	13	gray whale	2	.	1	-1	.	feed	False
605	71.02	- 157.91	13	gray whale	2	.	0	175	.	.	False
631	71.29	-157	12	gray whale	1	.	0	-1	.	feed	False
633	71.29	- 156.96	12	gray whale	1	.	0	-1	.	feed	False

Flightlines by Sea State

- B0 - B2
- B3, B4
- B5, B6
- B7 - B12
- n/a

**NMML/MMS
COMIDA Aerial Survey Program
Flight 211, 7/12/2009**

