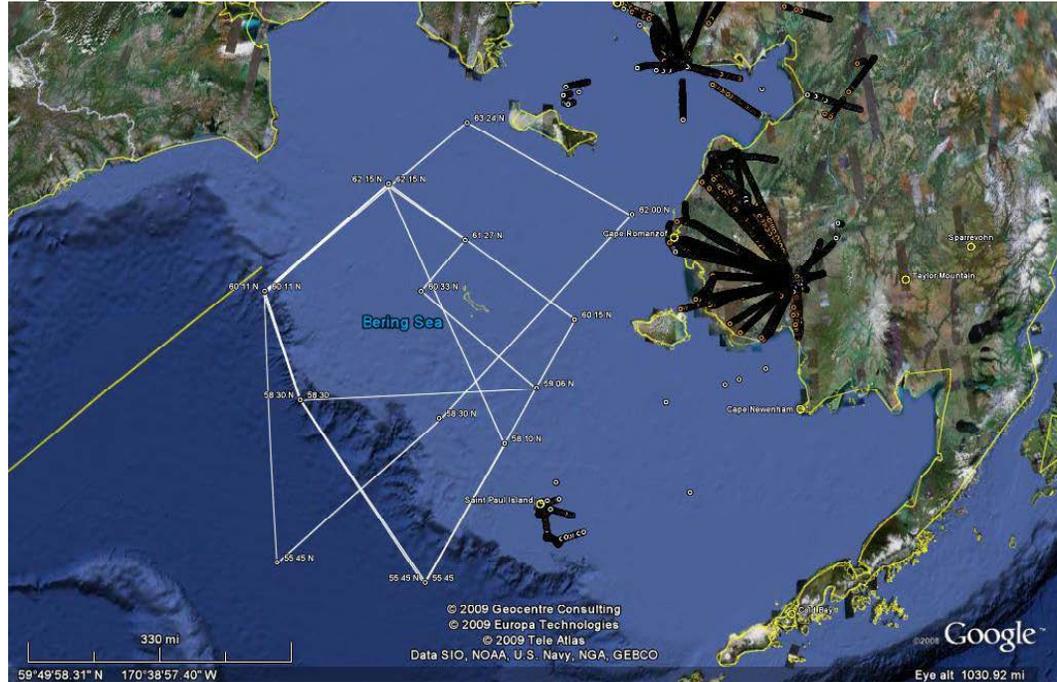


Attachment 13 Operation Area Map

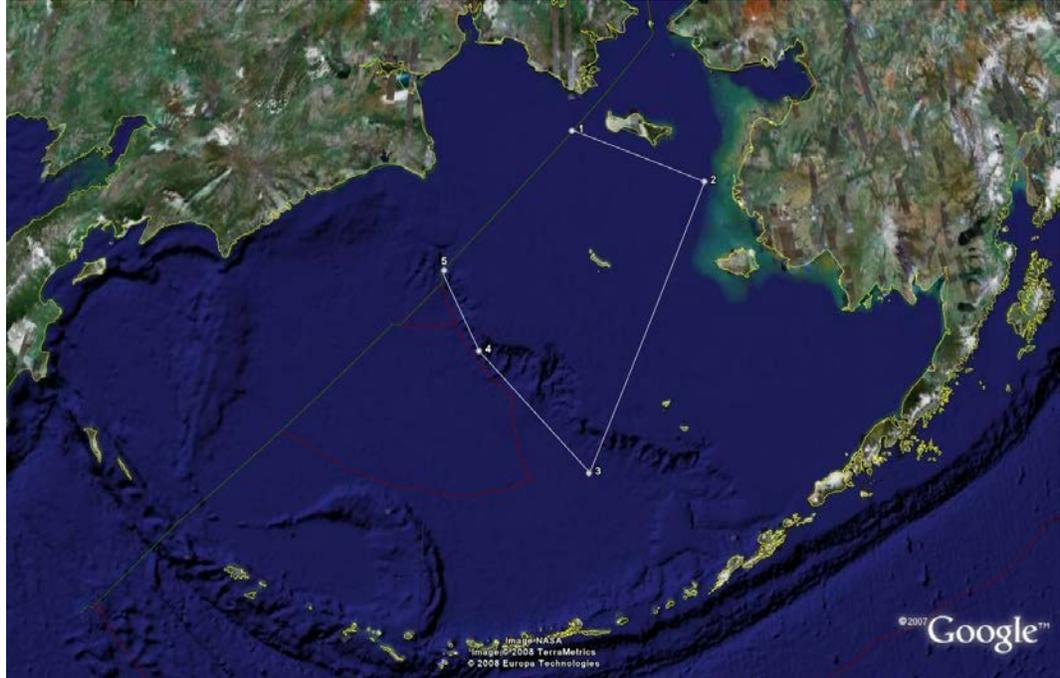
Flights are planned within a 50 NM radius from the ship. Planned survey areas are listed below and in descending order of preference. The combined airspace of all the options is optimal.

Desired Area Map:



Option 1:

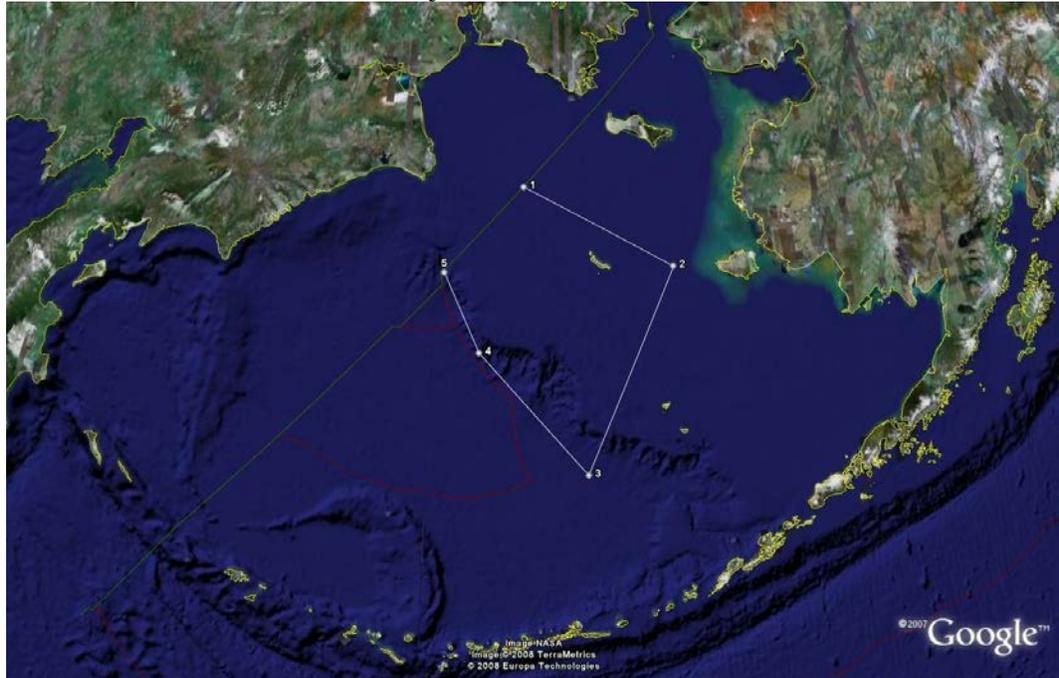
Smaller area no farther north than 25 miles south of St Lawrence Island, over 50 miles from mainland and over 50 miles north of the Pribilof Islands, extending over the Bering Shelf to EEZ (pts 4 & 5) or 50 miles (pt 3).



Plan B Coordinates:	Point 1:	63° 24' N	173° 30' W
	Point 2:	62° 00' N	167° 26' W
	Point 3:	55° 45' N	173° 31' W
	Point 4:	58° 30' N	177° 58' W
	Point 5:	60° 11' N	179° 44' W

Option 2:

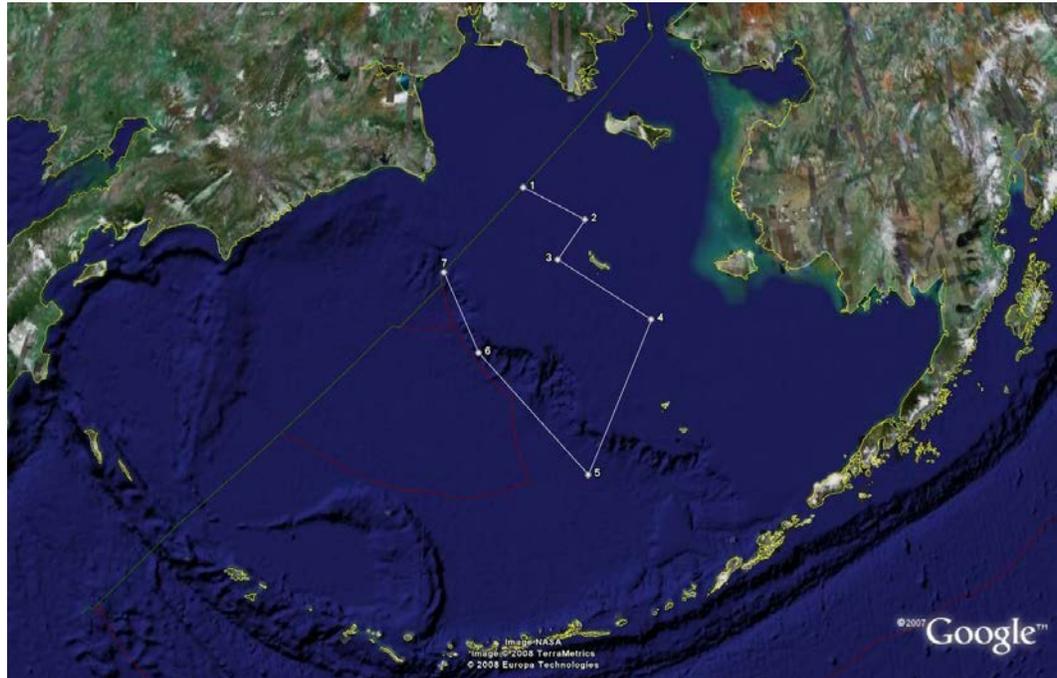
Same box but smaller... extends just 50 miles north of St Mathew Island.



Plan C Coordinates:	Point 1:	62° 15' N	176° 04' W
	Point 2:	60° 15' N	169° 21' W
	Point 3:	55° 45' N	173° 31' W
	Point 4:	58° 30' N	177° 58' W
	Point 5:	60° 11' N	179° 44' W

Option 3:

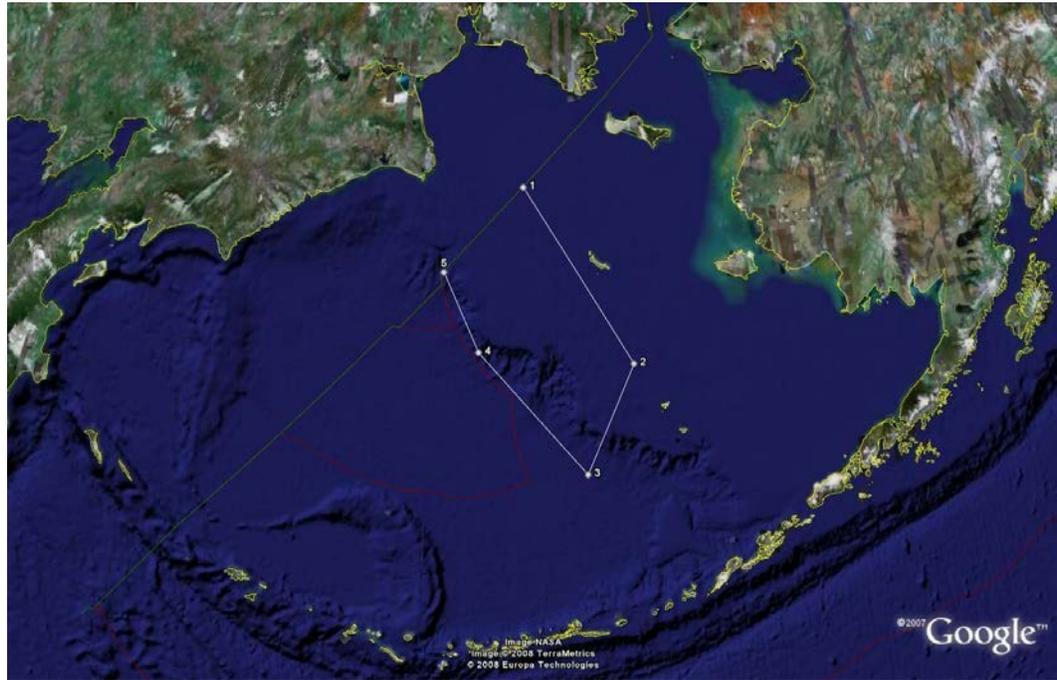
Excludes St Mathew's Island with a greater than 25 mi buffer south and west of the uninhabited island.



Plan D Coordinates:	Point 1:	62° 15' N	176° 04' W
	Point 2:	61° 27' N	173° 11' W
	Point 3:	60° 33' N	174° 30' W
	Point 4:	59° 06' N	170° 30' W
	Point 5:	55° 45' N	173° 31' W
	Point 6:	58° 30' N	177° 58' W
	Point 7:	60° 11' N	179° 44' W

Option 4:

Just covers shelf edge and area southwest of St Matthew's Islands. This is the minimum critical ice seal and sea ice area.



Zone Coordinates:	Point 1:	62° 15' N	176° 04' W
	Point 2:	58° 10' N	171° 25' W
	Point 3:	55° 45' N	173° 31' W
	Point 4:	58° 30' N	177° 58' W
	Point 5:	60° 11' N	179° 44' W