

Chesterfield Inlet Coastal Resource Inventory

Belugas

Belugas were reported to occur in two distinct populations: the first off Churchill (Manitoba) and the second near Repulse Bay. Hunters suggested that the southern population routinely migrates north, where they are intercepted by hunters from Arviat, Whale Cove, and Rankin Inlet. Belugas also migrate southward from Repulse Bay and are primarily responsible for any that are caught by the community of Chesterfield Inlet.

Some hunters believe that many of the larger marine mammals are moving away from the coast, and out of reach of hunters, due to noise, pollution and turbulence related to increased shipping activity through the inlet toward Baker Lake. Ringed Seal and Beluga were both reported as decreasing in number. Ringed Seal in particular was reported to have poor body condition and not as tasty as in the past. Beluga decreases were thought to be related to shipping noise and near-shore blasting.

Chesterfield Inlet Coastal Resource Inventory

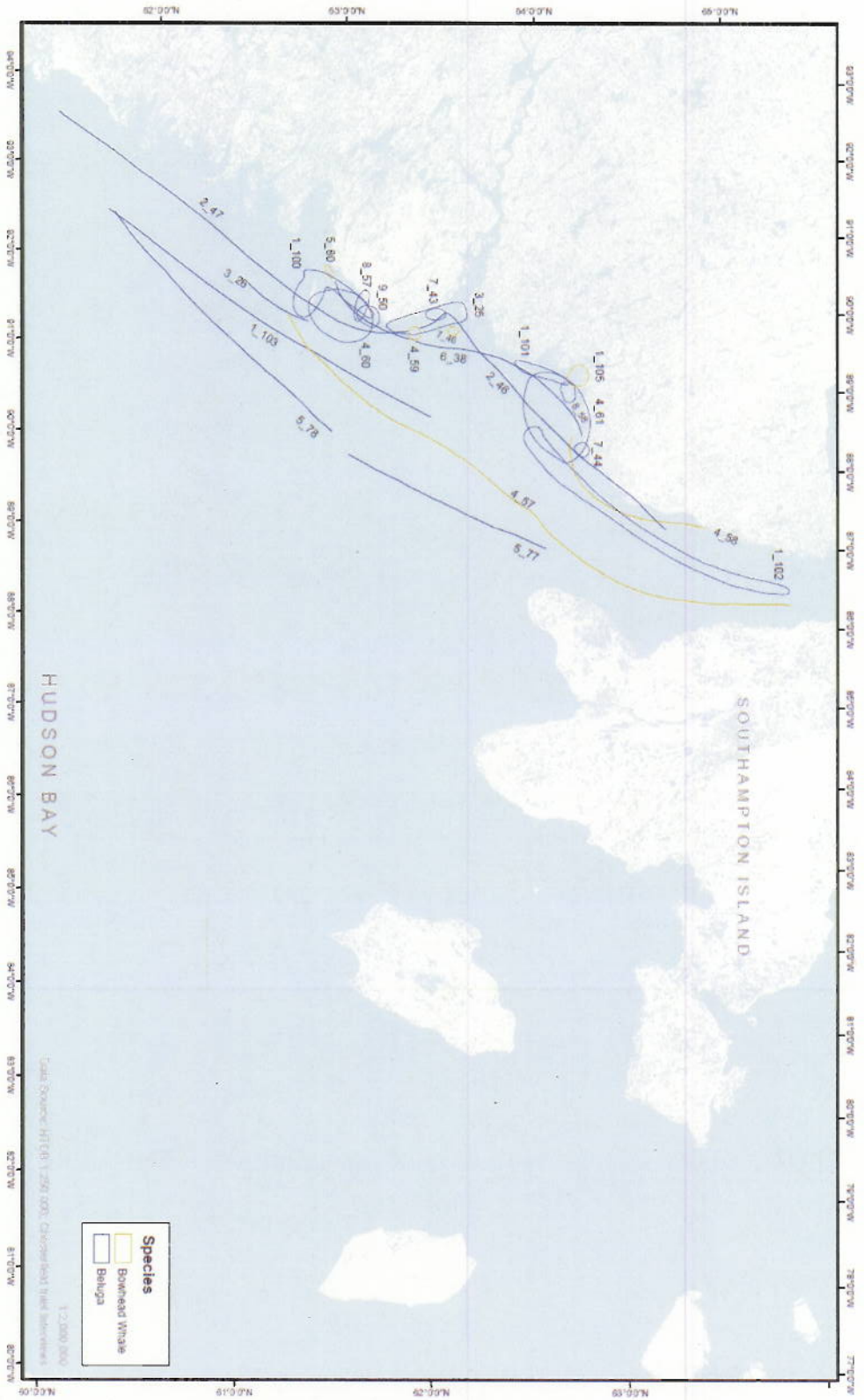


Figure 1: Areas of occupation for Bowhead and Beluga

Chesterfield Inlet Coastal Resource Inventory

Table 201: Areas of occupation for Bowhead and Belugas

Map Code	Map Label	Species	Present - # Historic - #	Special Coding	Months	Comments
BW_L1	4.16	Beluga	2			
BW_L2	4.22	Beluga	2		August and September	
BW_L3	4.27	Beluga	2		August and September	
BW_L4	4.34	Beluga	2	A	July to September	
BW_L5	4.41	Beluga	2	A	July to September	
BW_L6	4.48	Beluga	2	A	July and August	
BW_L7	4.55	Beluga	2	A	August and September	
BW_L8	4.62	Beluga	2	A	August and September	
BW_L9	4.69	Beluga	2	A		
BW_L10	4.76	Beluga	2	A, M		
BW_L11	4.83	Beluga	2	A, M		
BW_L12	4.90	Beluga	2	A, M		
BW_L13	4.97	Beluga	2	M	July to September	All along the coast, near to the gas rigs normally.
BW_L14	5.04	Beluga	2	M	October	
BW_L15	5.11	Beluga	2	M	October	
BW_L16	5.18	Beluga	2	M	October	
BW_L17	5.25	Beluga	2	M	October	
BW_L18	5.32	Beluga	2	M	October	
BW_L19	5.39	Beluga	2	M	October	
BW_L20	5.46	Beluga	2	M	October	
BW_L21	5.53	Beluga	2	M	October	
BW_L22	5.60	Beluga	2	M	October	
BW_L23	5.67	Beluga	2	M	October	
BW_L24	5.74	Beluga	2	M	October	
BW_L25	5.81	Beluga	2	M	October	
BW_L26	5.88	Beluga	2	M	October	
BW_L27	5.95	Beluga	2	M	October	
BW_L28	6.02	Beluga	2	M	October	
BW_L29	6.09	Beluga	2	M	October	
BW_L30	6.16	Beluga	2	M	October	
BW_L31	6.23	Beluga	2	M	October	
BW_L32	6.30	Beluga	2	M	October	
BW_L33	6.37	Beluga	2	M	October	
BW_L34	6.44	Beluga	2	M	October	
BW_L35	6.51	Beluga	2	M	October	
BW_L36	6.58	Beluga	2	M	October	
BW_L37	6.65	Beluga	2	M	October	
BW_L38	6.72	Beluga	2	M	October	
BW_L39	6.79	Beluga	2	M	October	
BW_L40	6.86	Beluga	2	M	October	
BW_L41	6.93	Beluga	2	M	October	
BW_L42	7.00	Beluga	2	M	October	
BW_L43	7.07	Beluga	2	M	October	
BW_L44	7.14	Beluga	2	M	October	
BW_L45	7.21	Beluga	2	M	October	
BW_L46	7.28	Beluga	2	M	October	
BW_L47	7.35	Beluga	2	M	October	
BW_L48	7.42	Beluga	2	M	October	
BW_L49	7.49	Beluga	2	M	October	
BW_L50	7.56	Beluga	2	M	October	
BW_L51	7.63	Beluga	2	M	October	
BW_L52	7.70	Beluga	2	M	October	
BW_L53	7.77	Beluga	2	M	October	
BW_L54	7.84	Beluga	2	M	October	
BW_L55	7.91	Beluga	2	M	October	
BW_L56	7.98	Beluga	2	M	October	
BW_L57	8.05	Beluga	2	M	October	
BW_L58	8.12	Beluga	2	M	October	
BW_L59	8.19	Beluga	2	M	October	
BW_L60	8.26	Beluga	2	M	October	
BW_L61	8.33	Beluga	2	M	October	
BW_L62	8.40	Beluga	2	M	October	
BW_L63	8.47	Beluga	2	M	October	
BW_L64	8.54	Beluga	2	M	October	
BW_L65	8.61	Beluga	2	M	October	
BW_L66	8.68	Beluga	2	M	October	
BW_L67	8.75	Beluga	2	M	October	
BW_L68	8.82	Beluga	2	M	October	
BW_L69	8.89	Beluga	2	M	October	
BW_L70	8.96	Beluga	2	M	October	
BW_L71	9.03	Beluga	2	M	October	
BW_L72	9.10	Beluga	2	M	October	
BW_L73	9.17	Beluga	2	M	October	
BW_L74	9.24	Beluga	2	M	October	
BW_L75	9.31	Beluga	2	M	October	
BW_L76	9.38	Beluga	2	M	October	
BW_L77	9.45	Beluga	2	M	October	
BW_L78	9.52	Beluga	2	M	October	
BW_L79	9.59	Beluga	2	M	October	
BW_L80	9.66	Beluga	2	M	October	
BW_L81	9.73	Beluga	2	M	October	
BW_L82	9.80	Beluga	2	M	October	
BW_L83	9.87	Beluga	2	M	October	
BW_L84	9.94	Beluga	2	M	October	
BW_L85	10.01	Beluga	2	M	October	
BW_L86	10.08	Beluga	2	M	October	
BW_L87	10.15	Beluga	2	M	October	
BW_L88	10.22	Beluga	2	M	October	
BW_L89	10.29	Beluga	2	M	October	
BW_L90	10.36	Beluga	2	M	October	
BW_L91	10.43	Beluga	2	M	October	
BW_L92	10.50	Beluga	2	M	October	
BW_L93	10.57	Beluga	2	M	October	
BW_L94	10.64	Beluga	2	M	October	
BW_L95	10.71	Beluga	2	M	October	
BW_L96	10.78	Beluga	2	M	October	
BW_L97	10.85	Beluga	2	M	October	
BW_L98	10.92	Beluga	2	M	October	
BW_L99	10.99	Beluga	2	M	October	
BW_L100	11.06	Beluga	2	M	October	

Table 202: Areas of occupation for Bowhead and Belugas

Map Code	Map Label	Species	Present - # Historic - #	Special Coding	Months	Comments
BW_L1	4.16	Beluga	2			
BW_L2	4.22	Beluga	2		July to September	All along coast.
BW_L3	4.27	Beluga	2		July to September	All along coast.
BW_L4	4.34	Beluga	2	A	July to September	All along coast.
BW_L5	4.41	Beluga	2	A	July to August	All along coast.
BW_L6	4.48	Beluga	2	A	August and September	All along coast.
BW_L7	4.55	Beluga	2	A	August and September	All along coast.
BW_L8	4.62	Beluga	2	A	August and September	All along coast.
BW_L9	4.69	Beluga	2	A	August and September	All along coast.
BW_L10	4.76	Beluga	2	A, M		All along coast.
BW_L11	4.83	Beluga	2	A, M		All along coast.
BW_L12	4.90	Beluga	2	A, M		All along coast.
BW_L13	4.97	Beluga	2	M	July to September	All along coast.
BW_L14	5.04	Beluga	2	M	October	All along coast.
BW_L15	5.11	Beluga	2	M	October	All along coast.
BW_L16	5.18	Beluga	2	M	October	All along coast.
BW_L17	5.25	Beluga	2	M	October	All along coast.
BW_L18	5.32	Beluga	2	M	October	All along coast.
BW_L19	5.39	Beluga	2	M	October	All along coast.
BW_L20	5.46	Beluga	2	M	October	All along coast.
BW_L21	5.53	Beluga	2	M	October	All along coast.
BW_L22	5.60	Beluga	2	M	October	All along coast.
BW_L23	5.67	Beluga	2	M	October	All along coast.
BW_L24	5.74	Beluga	2	M	October	All along coast.
BW_L25	5.81	Beluga	2	M	October	All along coast.
BW_L26	5.88	Beluga	2	M	October	All along coast.
BW_L27	5.95	Beluga	2	M	October	All along coast.
BW_L28	6.02	Beluga	2	M	October	All along coast.
BW_L29	6.09	Beluga	2	M	October	All along coast.
BW_L30	6.16	Beluga	2	M	October	All along coast.
BW_L31	6.23	Beluga	2	M	October	All along coast.
BW_L32	6.30	Beluga	2	M	October	All along coast.
BW_L33	6.37	Beluga	2	M	October	All along coast.
BW_L34	6.44	Beluga	2	M	October	All along coast.
BW_L35	6.51	Beluga	2	M	October	All along coast.
BW_L36	6.58	Beluga	2	M	October	All along coast.
BW_L37	6.65	Beluga	2	M	October	All along coast.
BW_L38	6.72	Beluga	2	M	October	All along coast.
BW_L39	6.79	Beluga	2	M	October	All along coast.
BW_L40	6.86	Beluga	2	M	October	All along coast.
BW_L41	6.93	Beluga	2	M	October	All along coast.
BW_L42	7.00	Beluga	2	M	October	All along coast.
BW_L43	7.07	Beluga	2	M	October	All along coast.
BW_L44	7.14	Beluga	2	M	October	All along coast.
BW_L45	7.21	Beluga	2	M	October	All along coast.
BW_L46	7.28	Beluga	2	M	October	All along coast.
BW_L47	7.35	Beluga	2	M	October	All along coast.
BW_L48	7.42	Beluga	2	M	October	All along coast.
BW_L49	7.49	Beluga	2	M	October	All along coast.
BW_L50	7.56	Beluga	2	M	October	All along coast.
BW_L51	7.63	Beluga	2	M	October	All along coast.
BW_L52	7.70	Beluga	2	M	October	All along coast.
BW_L53	7.77	Beluga	2	M	October	All along coast.
BW_L54	7.84	Beluga	2	M	October	All along coast.
BW_L55	7.91	Beluga	2	M	October	All along coast.
BW_L56	7.98	Beluga	2	M	October	All along coast.
BW_L57	8.05	Beluga	2	M	October	All along coast.
BW_L58	8.12	Beluga	2	M	October	All along coast.
BW_L59	8.19	Beluga	2	M	October	All along coast.
BW_L60	8.26	Beluga	2	M	October	All along coast.
BW_L61	8.33	Beluga	2	M	October	All along coast.
BW_L62	8.40	Beluga	2	M	October	All along coast.
BW_L63	8.47	Beluga	2	M	October	All along coast.
BW_L64	8.54	Beluga	2	M	October	All along coast.
BW_L65	8.61	Beluga	2	M	October	All along coast.
BW_L66	8.68	Beluga	2	M	October	All along coast.
BW_L67	8.75	Beluga	2	M	October	All along coast.
BW_L68	8.82	Beluga	2	M	October	All along coast.
BW_L69	8.89	Beluga	2	M	October	All along coast.
BW_L70	8.96	Beluga	2	M	October	All along coast.
BW_L71	9.03	Beluga	2	M	October	All along coast.
BW_L72	9.10	Beluga	2	M	October	All along coast.
BW_L73	9.17	Beluga	2	M	October	All along coast.
BW_L74	9.24	Beluga	2	M	October	All along coast.
BW_L75	9.31	Beluga	2	M	October	All along coast.
BW_L76	9.38	Beluga	2	M	October	All along coast.
BW_L77	9.45	Beluga	2	M	October	All along coast.
BW_L78	9.52	Beluga	2	M	October	All along coast.
BW_L79	9.59	Beluga	2	M	October	All along coast.
BW_L80	9.66	Beluga	2	M	October	All along coast.
BW_L81	9.73	Beluga	2	M	October	All along coast.
BW_L82	9.80	Beluga	2	M	October	All along coast.
BW_L83	9.87	Beluga	2	M	October	All along coast.
BW_L84	9.94	Beluga	2	M	October	All along coast.
BW_L85	10.01	Beluga	2	M	October	All along coast.
BW_L86	10.08	Beluga	2	M	October	All along coast.
BW_L87	10.15	Beluga	2	M	October	All along coast.
BW_L88	10.22	Beluga	2	M	October	All along coast.
BW_L89	10.29	Beluga	2	M	October	All along coast.
BW_L90	10.36	Beluga	2	M	October	All along coast.
BW_L91	10.43	Beluga	2	M	October	All along coast.
BW_L92	10.50	Beluga	2	M	October	All along coast.
BW_L93	10.57	Beluga	2	M	October	All along coast.
BW_L94	10.64	Beluga	2	M	October	All along coast.
BW_L95	10.71					

Chesterfield Inlet Coastal Resource Inventory

Narwhal

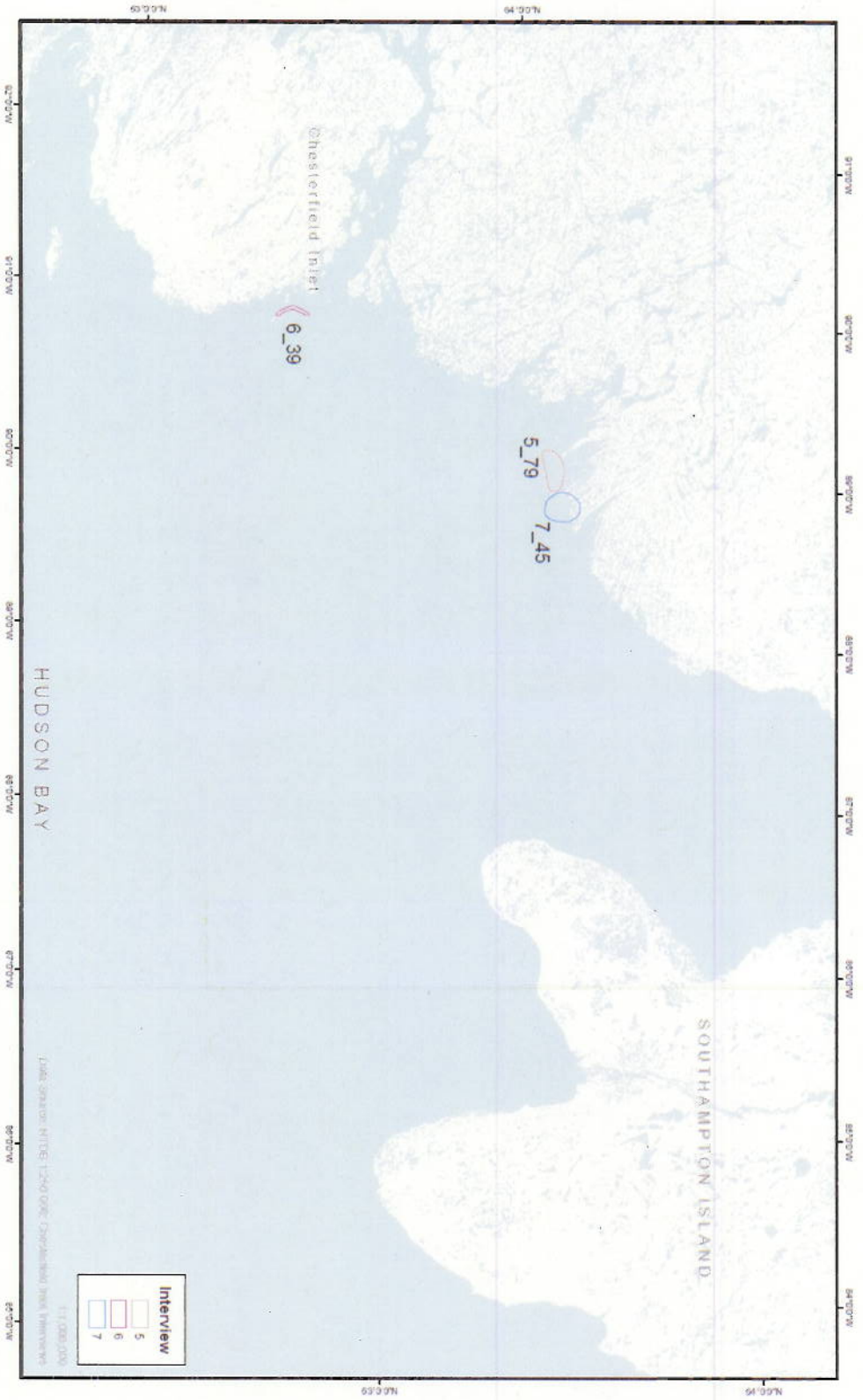


Figure 2: Areas of occupation for Narwhal
 Interview 5: 6.39, Interview 6: 7.45, Interview 7: 5.79

Chesterfield Inlet Coastal Resource Inventory

Table 211. Areas of occupation for Murrelets

Map Code	Map Label	Species	Percent of Habitat - %	Special Coding	Months	Comments
RIV_L1B	L_1B	Seedeal	0			Breeds 1940 and 1970. Young years are variable. Low and over 20 years ago.
RIV_L2B	L_2B	Seedeal	0			
RIV_L3B	L_3B	Seedeal	0		May and June	

Chesterfield Inlet Coastal Resource Inventory

Walrus

Some interviewees consider it unhealthy to eat walrus killed in the vicinity of Rankin Inlet, due to runoff from mining activities in that area.

Species abundance estimates were sometimes provided from indirect information (or from what might be considered to be secondary sources). Cockles and clams were reported as present and abundant, based on evidence contained in the stomachs of walrus, from siphon holes noted on the sea floor, and from the presence of empty shells in the intertidal zone or washed up on beaches. This was also true for sea cucumbers, which were recorded in the stomachs of bearded seals. The nature of these indirect observations makes the conclusion that "shellfish are becoming more abundant", somewhat problematic.

Chesterfield Inlet Coastal Resource Inventory

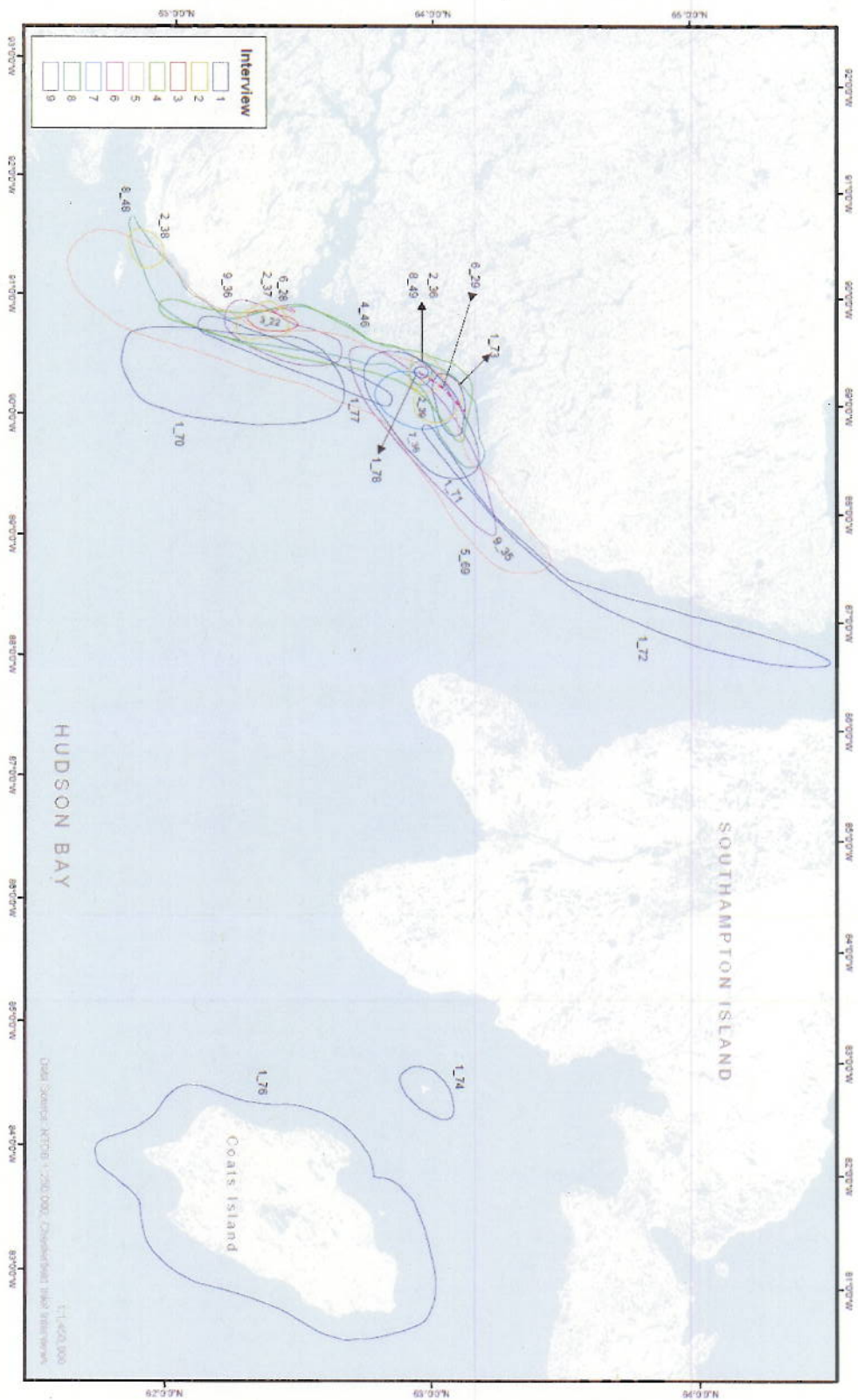


Figure 3: Areas of occupation for Walrus

Chesterfield Inlet Coastal Resource Inventory

Table 16a. Areas of occupation for Welfaria.

Map Code	Map Label	Species	Percent - #	Percent - %	Month	Comments
WOL_1	L-28	Welfaria	7		Year read	
WOL_1	L-29	Welfaria	7		Year read	Tree is considered to be within existing system.
WOL_2A	L-49	Welfaria	7	A	December to March, May and June	Tree is considered to be within existing system.
WOL_1	L-48	Welfaria	7		February to March, May, June	Along the flow edge during spring.
WOL_2A	L-29	Welfaria	7	A		
WOL_1	L-29	Welfaria	7		October to April	Tree at flow edge.
WOL_1	L-49	Welfaria	7		May and June	Within stream in one.
WOL_1	L-48	Welfaria	7		Year read	
WOL_1	L-25	Welfaria	7		May and June	
WOL_1	L-29	Welfaria	7		Year read	
WOL_1	L-28	Welfaria	7		Year read	Tree within at Baidy (just above) Year read in long within a flow edge.
WOL_1	L-27	Welfaria	7		Year read	
WOL_2	L-29	Welfaria	7		Year read	Stream reaches island and Rabbit Island.
WOL_1	L-21	Welfaria	7		December, May, June	Tree within in June.
WOL_1	L-29	Welfaria	7	A	May and June	Tree mainly in June or September.
WOL_2A	L-27	Welfaria	7	A	May and June	
WOL_1	L-27	Welfaria	7		May and June	
WOL_1	L-25	Welfaria	7		May and June	
WOL_2	L-28	Welfaria	7		May and June	
WOL_2	L-29	Welfaria	7		May and June	
WOL_2	L-28	Welfaria	7		December to June	Tree is within the system in November having before the period between June and July.

Table 16b. Areas of occupation for Welfaria.

Map Code	Map Label	Species	Percent - #	Percent - %	Month	Comments
1	WOL_1	Welfaria	7		May and June	All trees present.