

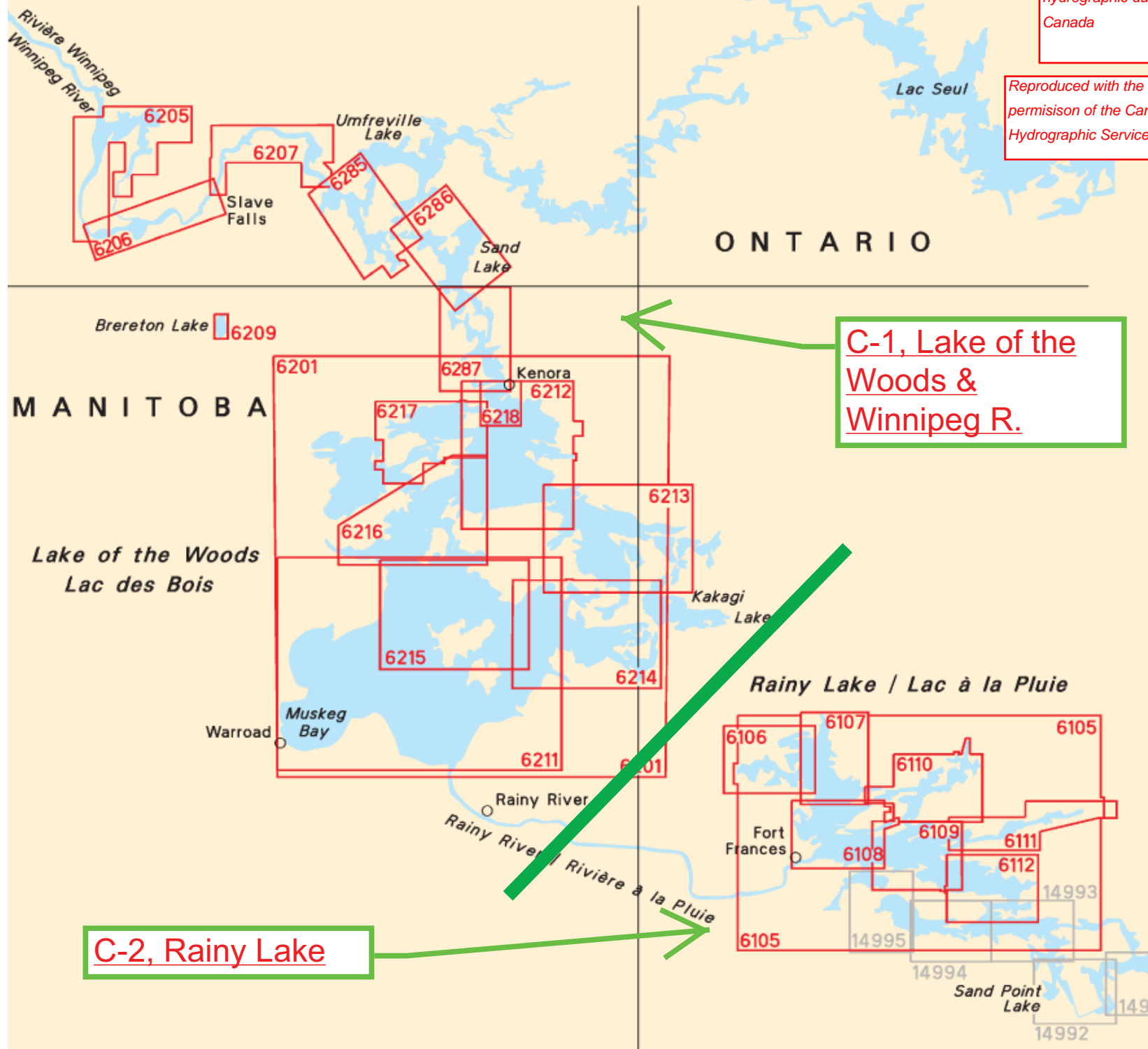
APPENDIX C.2-CENTRAL and ARCTIC REGION, CONTRACT AREAS, C-1 to C-45: INDEX.

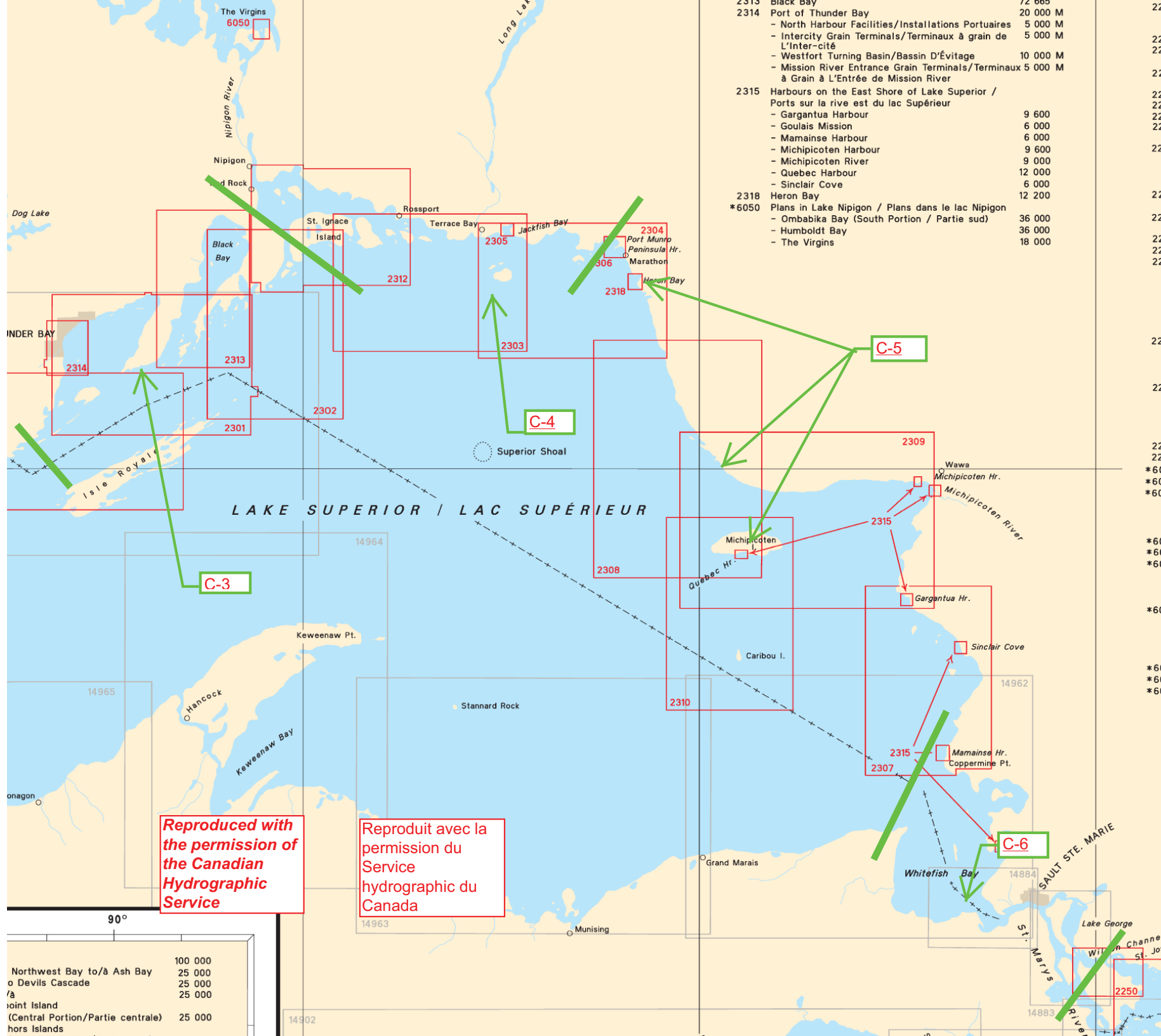
Prov./Terr.	Area	Contract Area
Ontario	C-1	Lake of the Woods & Winnipeg River
	C-2	Rainy Lake
	C-3	Lake Superior, Thunder Bay
	C-4	Lake Superior West
	C-5, A-C	Lake Superior Harbours, A-C
	C-6	St. Mary's River
	C-7	Lake Huron, North Channel
	C-8, A-D	Inland lakes, A-D
	C-9	Georgian Bay, Small Craft Channel North, Killarney section
	C-10	Georgian Bay, Small Craft Channel North, Byng Inlet section
	C-11	Georgian Bay, Small Craft Channel South, Parry Sound section
	C-12	Georgian Bay, Small Craft Channel South, Port Severn section
	C-13	Georgian Bay, western section
	C-14, A-D	Lake Huron Harbours, A to D
	C-15	Lake St. Clair & St. Clair River
	C-16	Lake Erie, west end & Detroit River
	C-17, A-C	Lake Erie Harbours, A-C
	C-18	Lake Erie, Long Point Inner Bay
	C-19	Welland Canal & eastern Lake Erie
	C-20, A-J	Lake Ontario Harbours, A-J
	C-21	Bay of Quinte
	C-22	Lake St. Lawrence, St. Lawrence R. & eastern L. Ontario
Ontario / Quebec	C-23	Beauharnois Canal & Lake St. Francis
	C-24, A-G	Ottawa River, A to G
Quebec	C-25	Lac Des Deux-Montagnes et Rivière Des Prairies
	C-26	Lac Saint-Louis et VMSL
	C-27	Rivière Richelieu
	C-28	Lac Memphrémagog
	C-29	Trois Rivière a Montreal, chenaux secondaires
	C-30	Port de Québec et Chenal île D'Orléans
	C-31	Chenal du Sud (Trois-Pistoles à Montmagny) et Pointe-au-Pic
	C-32	Rivière Saguenay
	C-33	Bas-Saint-Laurent
	C-34	Forestville
	C-35	Havre Saint-Pierre
	C-36	Natashquan
	C-37	Anticosti
	C-38	Péninsule de Gaspé
	C-39	Baie de Chaleurs
	C-40	îles-de-la-Madeleine
	C-41	Chevery
	C-42	La Tabatière et Baie de Moutons
	C-43	Saint-Augustin
	C-44	Rivière-Saint-Paul
	C-45	Blanc-Sablon

LAKE OF THE WOODS, RAINY LAKE, WINNIPEG RIVER
LAC DES BOIS, LAC À LA PLUIE, RIVIÈRE WINNIPEG

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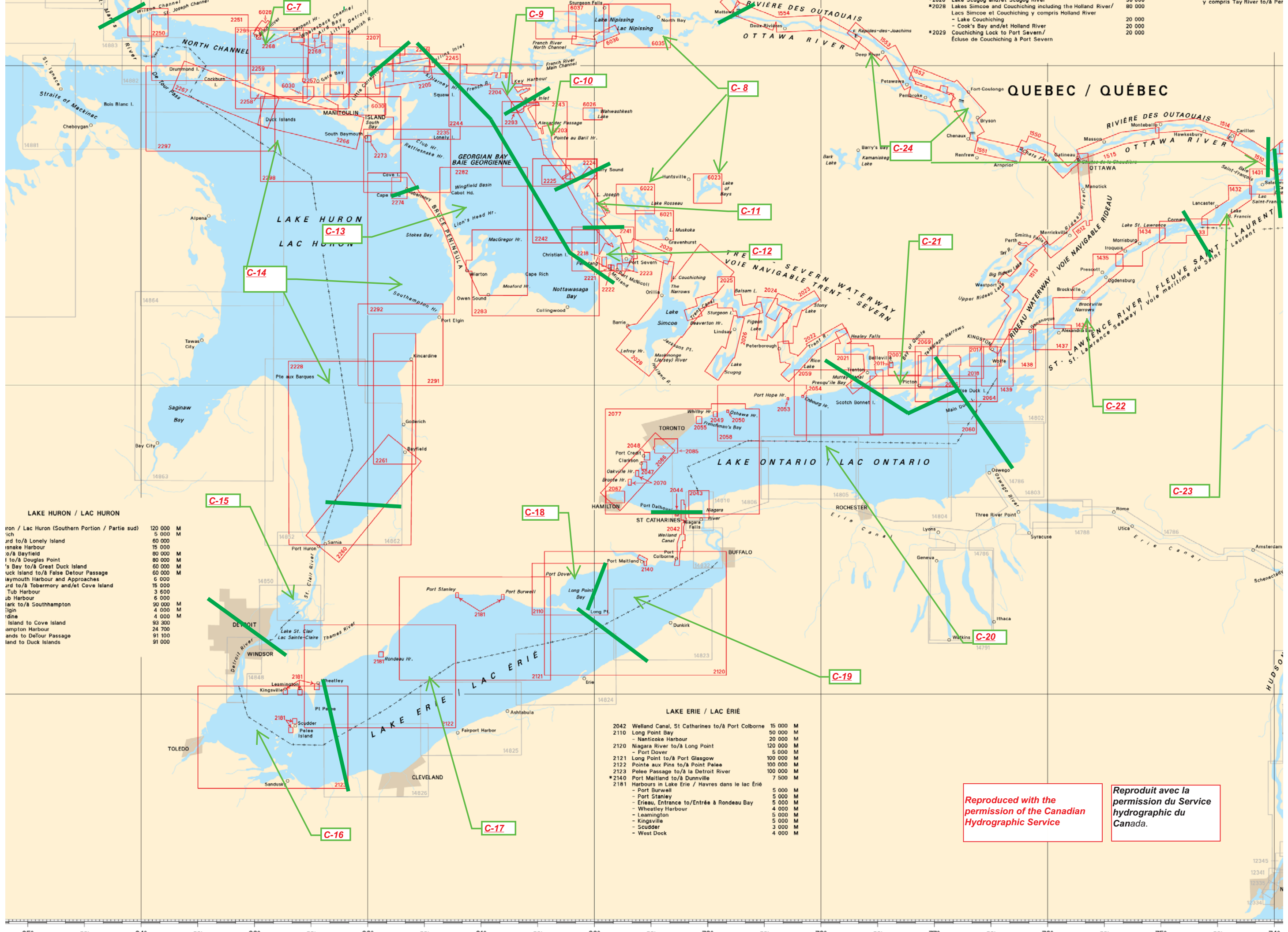
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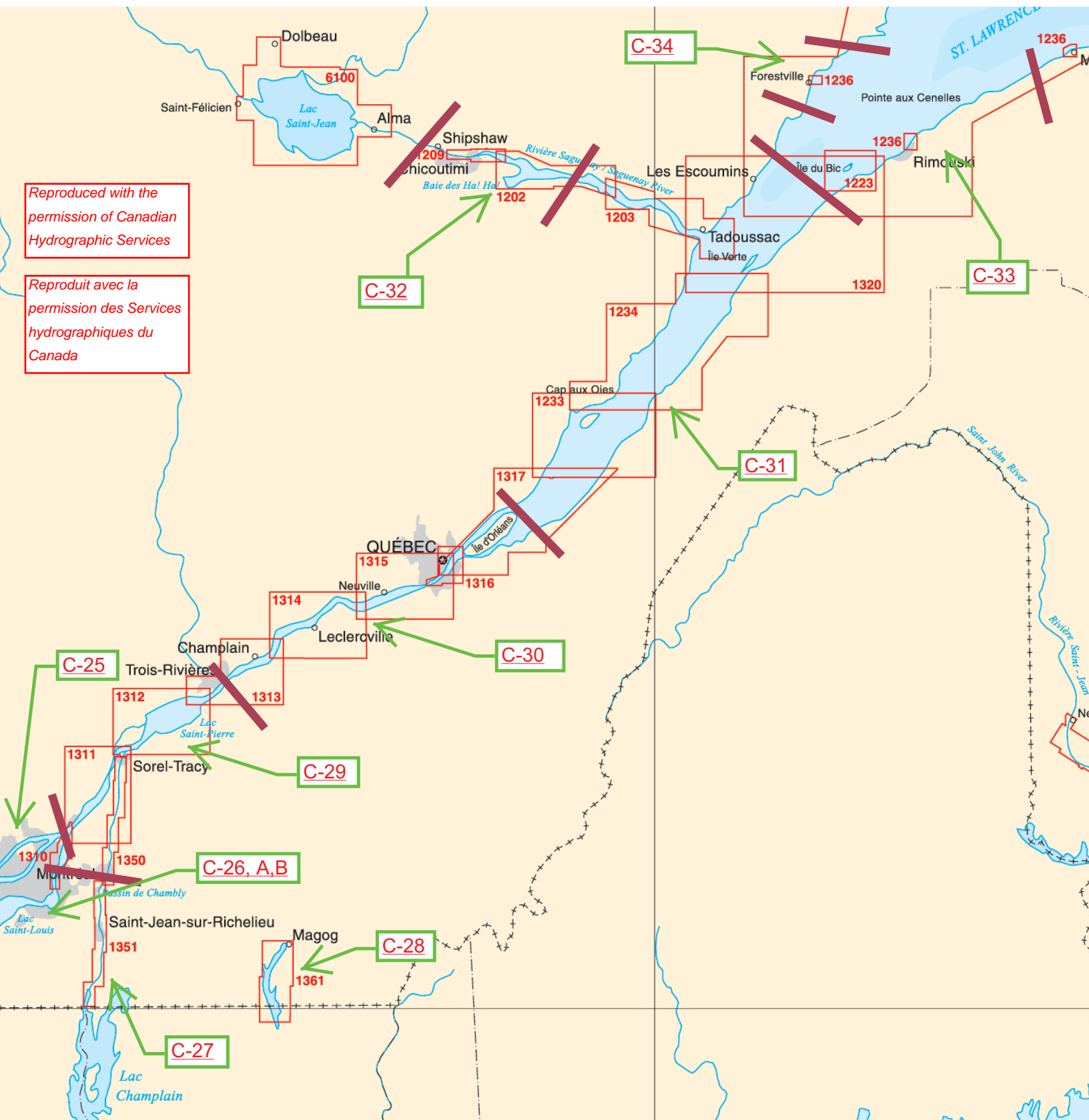
2313	Black Bay	72 000 M	22
2314	Port of Thunder Bay	20 000 M	22
	- North Harbour Facilities/Installations Portuaires	5 000 M	22
	- Intercity Grain Terminals/Terminaux à grain de L'Inter-cité	5 000 M	22
	- Westfort Turning Basin/Bassin D'Évitage	10 000 M	22
	- Mission River Entrance Grain Terminals/Terminaux à Grain à L'Entrée de Mission River	5 000 M	22
2315	Harbours on the East Shore of Lake Superior / Ports sur la rive est du lac Supérieur		22
	- Gargantua Harbour	9 600	22
	- Goulais Mission	6 000	22
	- Mamainse Harbour	6 000	22
	- Michipicoten Harbour	9 600	22
	- Michipicoten River	9 000	22
	- Quebec Harbour	12 000	22
	- Sinclair Cove	6 000	22
2318	Heron Bay	12 200	22
*6050	Plans in Lake Nipigon / Plans dans le lac Nipigon	36 000	22
	- Ombabika Bay (South Portion / Partie sud)	36 000	22
	- Humboldt Bay	18 000	22
	- The Virgins		22

Northwest Bay to/à Ash Bay	100 000
o Devils Cascade	25 000
/à	25 000
Joint Island	25 000
(Central Portion/Partie centrale)	25 000
hors Islands	



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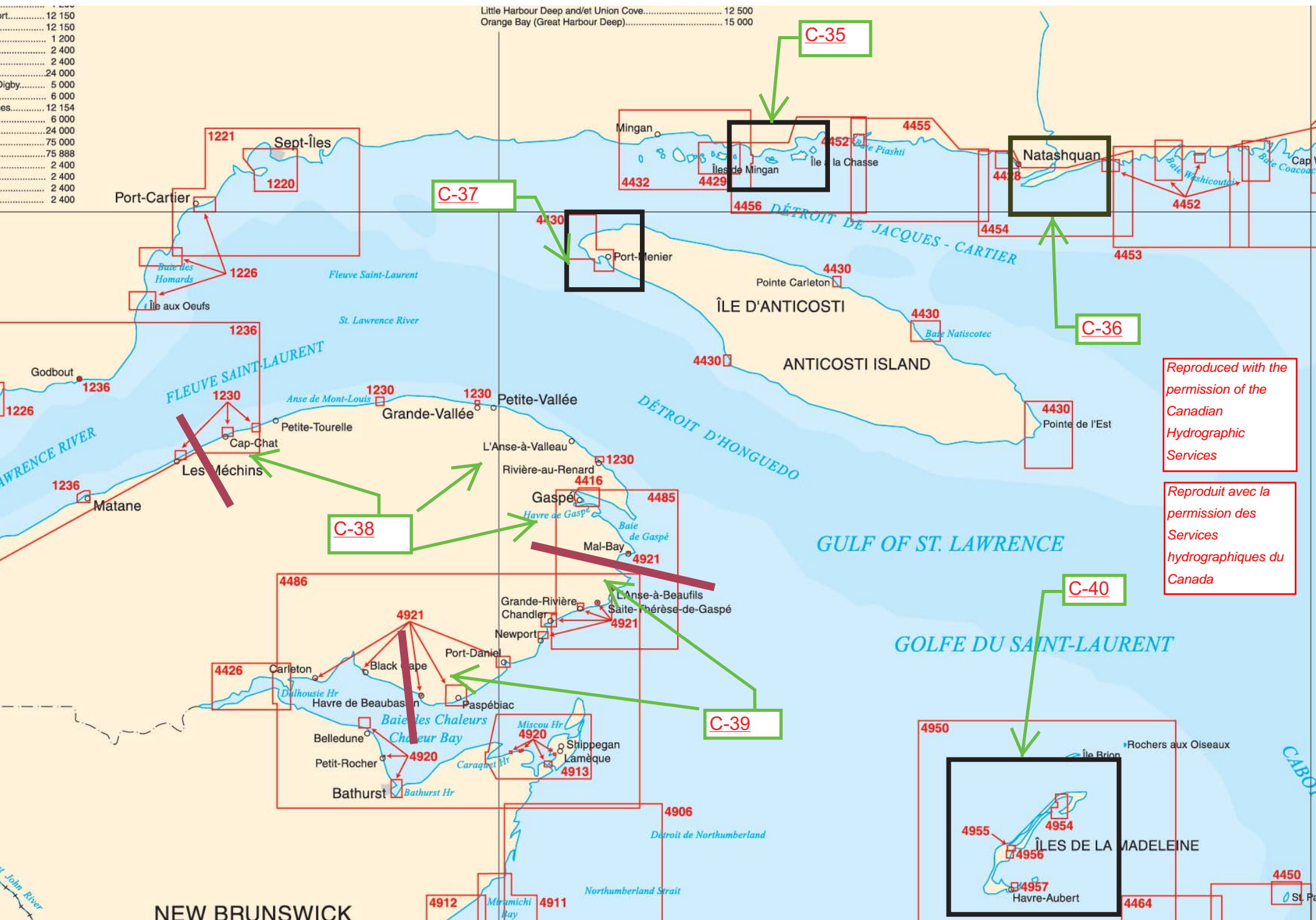


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1 200
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Little Harbour Deep and/or Union Cove..... 12 500
Orange Bay (Great Harbour Deep)..... 15 000



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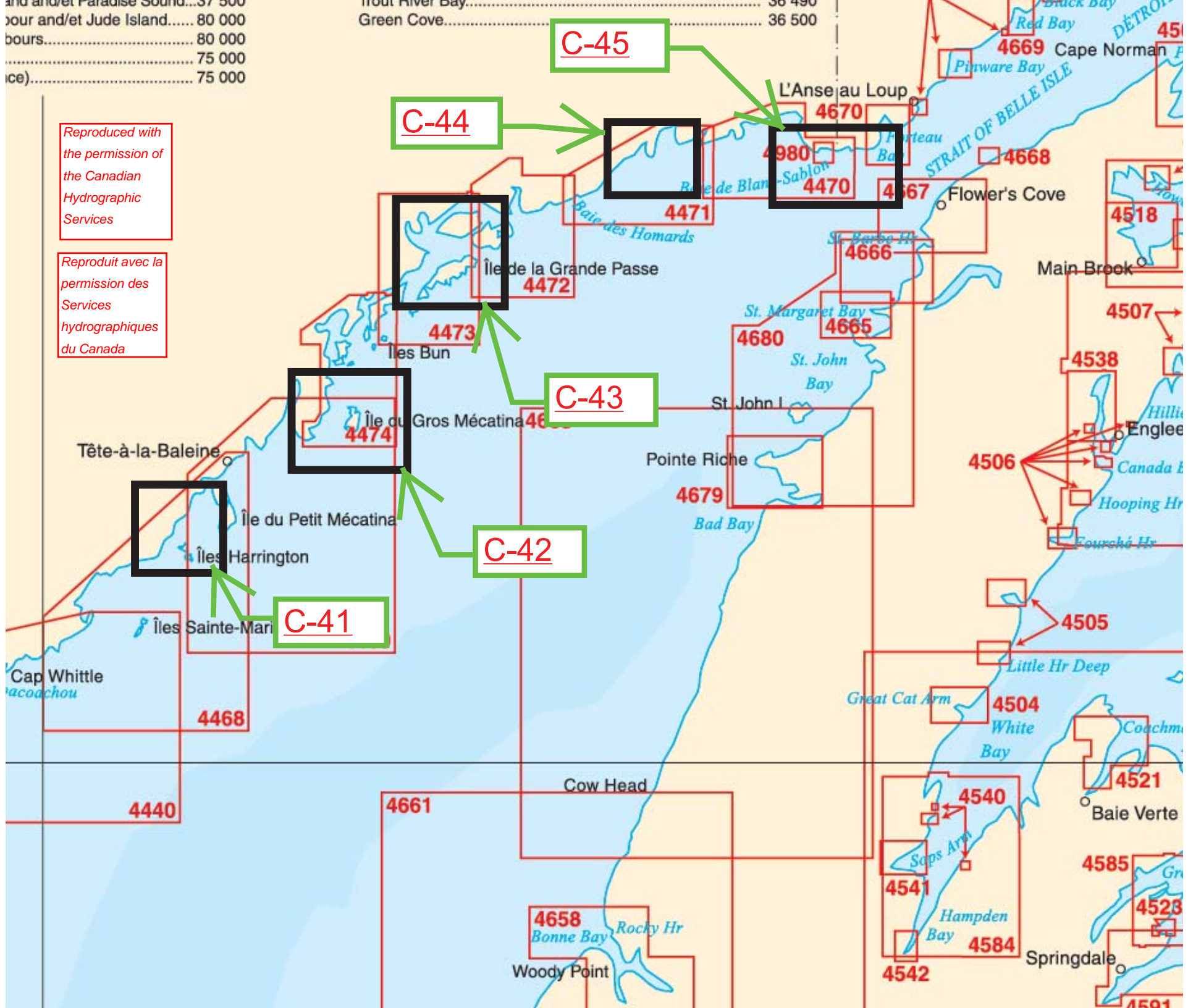
NEW BRUNSWICK

and and/or Paradise Sound..... 37 500
 pour and/or Jude Island..... 80 000
 bours..... 80 000
 75 000
 ice)..... 75 000

Trout River Bay..... 36 490
 Green Cove..... 36 500

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C-45

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C-41

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Lake of the Woods & Winnipeg River
Contract Area no.:	C-1
Province(s):	Ontario
Contract Area Description:	The Contract Area includes all Canadian waters of Lake of the Woods and Winnipeg River, Ontario.
Coast Guard Depot:	Kenora, Ontario
Commissioning date:	by May 15th (weather permitting)
Decommissioning date:	no earlier than October 31st (weather permitting)
Total no. of buoys:	534
Max. buoy size(m) diameter :	0.75
Maximum anchor size (weight (kg)):	920
Maximum buoy weight (kg) :	95
Maximum water depth (m) :	24
Operational Season:	May 15 to October 31
Overview of work activities:	<p>All buoys are 'seasonal, in-place year round'; 7 buoys are equipped wit removable lanterns.</p> <p>At Commissioning, work includes position verification, placing of lanterns, taping and repairing of buoysas required.</p> <p>The work includes planned cyclical mooring inspections and replacement over a 5 year cycle, for buoys left in the water only.</p> <p>Decommisioning work includes removal of lanterns.</p> <p>Unscheduled work includes response to discrepancies during the operational season.</p>
Comment:	<i>Season start and end dates may vary as a result of ice conditions.</i>

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-1	1471.200	WSP1	Winkler Sprinkler	ON	6218	Night	0.6m SB 60 Spar Can PI		Plastic	White-orange	Seasonal	9.14	49° 46' 10"	94° 29' 44"	Concrete	910	Chain	3.7	14	2
C-1	1473.000	M4	Goat Island light buoy	ON	6218	Night	0.6m SB 60 Spar Conical PI		Plastic	Red	Seasonal	35.00	49° 44' 48"	94° 29' 22"	Concrete	910	Chain	11	14	2
C-1	1481.000	W1	Wyllies Reef light buoy	ON	6212	Night	0.6m SB 60 Spar Can PI		Plastic	Green	Seasonal	24.00	49° 39' 27"	94° 32' 23"	Concrete	910	Chain	3.4	14	2
C-1	1484.000	E22	Allens Reef light buoy	ON	6212	Night	0.6m SB 60 Spar Conical PI		Plastic	Red	Seasonal	24.00	49° 38' 17.14"	94° 27' 14.98"	Concrete	910	Chain	3.4	14	2
C-1	1494.600	WB1	McCallum light buoy	ON	6217	Night	0.6m SB 60 Spar Can PI		Plastic	Green	Seasonal	25.00	49° 41' 52"	94° 49' 3"	Concrete	454	Chain	3.7	14	2
C-1	1513.000	M107	Bell Bouy Shoal light buoy	ON	6211	Night	0.6m SB 60 Spar Can PI		Plastic	Green	Seasonal	9.14	48° 55' 34"	94° 39' 53"	Concrete	910	Chain	4.5	14	2
C-1	1514.700	MM	Buffalo Bay Marina light buoy	MB	6211	Night	0.3m Spar Can-Plastic (ORT)	65	Plastic	Red-white	Seasonal	12.00	49° 2' 29"	95° 13' 44"	Concrete	227	Chain	3	14	2
C-1	5651.000	KT7	EAST ENT. POPLAR BAY KT7	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.66	49° 41' 35"	94° 31' 56"	Concrete	227	Chain	1.5	14	3
C-1	5652.000	KT9	Janis Reef KT9	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.66	49° 41' 35"	94° 32' 1"	Concrete	227	Chain	1.5	14	3
C-1	5653.000	KT4	Rylan's Reef KT4	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 41' 35"	94° 32' 4"	Concrete	227	Chain	1.5	14	3
C-1	5723.000	KC5	West Harris island I.o.w.	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.66	49° 44' 48.83"	94° 32' 7.39"	Concrete	227	Chain	1.5	14	3
C-1	5724.000	MSK	S.W. Espapeka Island	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-yellow-black	Seasonal	3.66	49° 44' 27"	94° 31' 39"	Concrete	227	Chain	1.5	14	3
C-1	5725.000	KL6	South Leisure Island	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.66	49° 42' 6"	94° 29' 57"	Concrete	227	Chain	1.5	14	3
C-1	5726.000	M24	Wild Pat Rock	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.66	49° 41' 20"	94° 29' 49"	Concrete	227	Chain	1.5	14	3
C-1	5727.000	EE8	Ent. Route Bay	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.66	49° 39' 30"	94° 18' 50"	Concrete	227	Chain	1.5	14	3
C-1	5728.000	SM4	Mya's Reef	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.66	49° 34' 46"	94° 34' 33"	Concrete	227	Chain	1.5	14	3
C-1	5729.000	ES1	Colin Shoal	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.66	49° 34' 56"	94° 32' 39"	Concrete	227	Chain	1.5	14	3
C-1	5730.000	S5	Mat's Rock	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.66	49° 33' 45"	94° 35' 11"	Concrete	227	Chain	1.5	14	3
C-1	5731.000	ES4	S.E. Big Fraser Island	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.66	49° 33' 38"	94° 33' 19"	Concrete	227	Chain	1.5	14	3
C-1	5732.000	EJ10	East Oliver Island	ON	6212	Unlit	0.6m SB 60 Spar Conical PI		Plastic	Red	Seasonal	21.00	49° 35' 5"	94° 27' 8"	Concrete	137	Chain	3	14	3
C-1	5733.000	M33	Wiley Point	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.66	49° 33' 55"	94° 38' 21"	Concrete	227	Chain	1.5	14	3
C-1	5734.000	A11	South Enchanted Island	ON	6216	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.66	49° 25' 38"	94° 53' 46"	Concrete	227	Chain	1.5	14	3

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-1	5735.000	A13	South Powassin Rock	ON	6216	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.66	49° 25' 4"	94° 54' 12"	Concrete	227	Chain	1.5	14	3
C-1	5736.000	A15	Clipper Reef	ON	6216	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.66	49° 24' 25"	94° 54' 13"	Concrete	227	Chain	1.5	14	3
C-1	5737.000	SM2	Toadstool Hump	ON	6216	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.66	49° 28' 40"	94° 44' 19"	Chain	227	Chain	1.5	14	3
C-1	5738.000	MT1	West Johnston Passage.	ON	6216	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.66	49° 25' 26"	94° 45' 24"	Concrete	227	Chain	1.5	14	3
C-1	5739.000	MN5	Mel's Shoal	ON	6216	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.66	49° 26' 10"	94° 44' 28"	Concrete	227	Chain	1.5	14	3
C-1	5740.000	EL5	Fire Island Narrows	ON	6213	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.66	49° 24' 54"	94° 8' 56"	Concrete	227	Chain	1.5	14	3
C-1	5741.000	SB8	Nici's Reef	ON	6214	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.66	49° 9' 38"	94° 27' 44"	Concrete	227	Chain	1.5	14	3
C-1	5742.000	SH9	Sunset Chain Channel,South Ent.	ON	6214	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.66	49° 10' 31"	94° 21' 38"	Concrete	227	Chain	1.5	14	3
C-1	5744.000	S67	South Farmsworth Island	ON	6214	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.66	49° 9' 40"	94° 5' 7"	Concrete	454	Chain	1.5	14	3
C-1	5745.000	S48	Buff Island N.W.	ON	6214	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.66	49° 10' 38"	94° 14' 8"	Concrete	227	Chain	1.5	14	3
C-1	5746.000	S24	S.E. Grandy Reef	ON	6215	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.66	49° 18' 34"	94° 38' 37"	Concrete	227	Chain	1.5	14	3
C-1	5747.000	S28	Firebag Island North	ON	6215	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.66	49° 17' 18"	94° 35' 36"	Concrete	227	Chain	1.5	14	3
C-1	5748.000	S27	Firebag Island North.	ON	6215	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.66	49° 17' 17"	94° 35' 21"	Concrete	227	Chain	1.5	14	3
C-1	5749.000	M91	S.E. Bells Harbour	ON	6215	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	7.32	49° 12' 20"	94° 31' 53"	Concrete	454	Chain	3	14	3
C-1	5750.000	M83	North Skiff Island	ON	6215	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.66	49° 17' 11"	94° 38' 17"	Concrete	454	Chain	1.5	14	3
C-1	5755.000	E16.2	East Rocky Narrows	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.66		94° 26' 56"	Concrete	227	Chain	1.5	14	3
C-1	5756.000	EGE	S. SCOTTIE IS.	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Black-red-black	Seasonal	3.66	49° 38' 47.16"	94° 28' 32.91"	Concrete	227	Chain	1.5	14	3
C-1	5758.000	M72	S.W. Falcon Island	ON	6216	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Year Round	3.66	49° 20' 25"	94° 50' 25"	Concrete	227	Chain	1.5	14	3
C-1	5759.000	A7	North La Verendrye Island	ON	6216	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Year Round	3.66	49° 27' 33"	94° 49' 2"	Concrete	227	Chain	1.5	14	3
C-1	5761.000	KL6	South Leisure Island	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Red	Seasonal	3.66	49° 42' 6"	94° 29' 57"	Concrete	227	Chain	1.5	14	3
C-1	6107.000	A1	Carlson Reef	ON	6216	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 29' 17.07"	94° 46' 42.79"	Concrete	227	Chain	1.5	14	2
C-1	6108.000	A3	Bishop Point S.W.	ON	6216	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 29' .37"	94° 46' 54.71"	Concrete	227	Chain	1.5	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-1	6110.000	A8	Haystack South East	ON	6216	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 27' 21.31"	94° 49' 18.66"	Concrete	227	Chain	1.5	14	2
C-1	6111.000	A5	S. E. Haystack Is.	ON	6216	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 27' 56.27"	94° 48' 22.8"	Concrete	227	Chain	1.5	14	2
C-1	6112.000	A10	S. Haystack Island	ON	6216	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 26' 49.31"	94° 49' 53.64"	Concrete	227	Chain	1.5	14	2
C-1	6121.000	MN3	Cedar Narrows North	ON	6216	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 26' 43.2"	94° 44' 34.56"	Concrete	227	Chain	1.5	14	2
C-1	6122.000	MT3	Devil's Elbow West	ON	6216	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 25' 31.38"	94° 43' 59.01"	Concrete	227	Chain	1.5	14	2
C-1	6123.000	MN4	Cedar Narrows MN4	ON	6216	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 26' 27"	94° 44' 20"	Concrete	227	Chain	1.5	14	2
C-1	6124.000	AM7	Huggins Reef SW	ON	6215	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.66	49° 12' 28.57"	94° 37' 53.51"	Concrete	454	Chain	1.5	14	2
C-1	6125.000	MN8	Folsters Nrs South MN8	ON	6216	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 24' 54"	94° 42' 32"	Concrete	227	Chain	1.5	14	2
C-1	6126.000	AM5	Holmdahls SW	ON	6215	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 12' 6.63"	94° 40' 17.4"	Concrete	454	Chain	1.5	14	2
C-1	6127.000	AM10	SW Little Birch I	ON	6215	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.66	49° 12' 24.51"	94° 34' 6.67"	Concrete	454	Chain	1.5	14	2
C-1	6128.000	MK1	N E Drennan Fishery	ON	6215	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.66	49° 7' .42"	94° 35' 39.86"	Concrete	227	Chain	1.5	14	2
C-1	6129.000	AM8	Budreau's Reef	ON	6215	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.66	49° 12' 13.55"	94° 37' 48.75"	Concrete	454	Chain	1.5	14	2
C-1	6130.000	M95	Basil Chan (Middle)	ON	6215	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.66	49° 7' 57.82"	94° 33' 32.57"	Concrete	227	Chain	1.5	14	2
C-1	6131.000	AM6	Poplar Pt. Big I.	ON	6215	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.66	49° 12' 36.39"	94° 38' 41.96"	Concrete	454	Chain	1.5	14	2
C-1	6134.000	KB	Matheson Street KB	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Yellow-black	Seasonal	12.00	49° 45' 50"	94° 29' 25"	Concrete	227	Chain	1.3	14	2
C-1	6135.000	MDD	Wildcat Is. S. E. MDD	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-red-black	Seasonal	12.00	49° 41' 11"	94° 29' 26"	Concrete	227	Chain	1.5	14	2
C-1	6136.000	ME	YMCA West ME	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-red-black	Seasonal	12.00	49° 41' 10"	94° 29' 4"	Concrete	227	Chain	1.5	14	2
C-1	6137.000	MGH	Pencoff Reef MGH	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-red-black	Seasonal	12.00	49° 39' 49.77"	94° 29' 26.51"	Concrete	227	Chain	1.5	14	2
C-1	6138.000	EJ5	Gaherty South West	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 38' 9.86"	94° 29' 31.7"	Concrete	227	Chain	1.5	14	2
C-1	6139.000	MG6	Scotty's Is. West	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 39' 49.77"	94° 29' 26.51"	Concrete	227	Chain	1.5	14	2
C-1	6140.000	EJ7	Mather Island East	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 37' 3.81"	94° 29' 14.95"	Concrete	227	Chain	1.5	14	2
C-1	6141.000	EJ6	Mather Island East	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 37' 19.18"	94° 29' 17.63"	Concrete	227	Chain	1.5	14	2
C-1	6143.000	EJ8	S E Mather	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 36' 49.44"	94° 29' 16.65"	Concrete	227	Chain	1.3	14	2

Appendix C.2, Central and Arctic Region

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-1	6146.000	EA1	West Bare Point EA1	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 42' 15.15"	94° 26' 55.03"	Concrete	227	Chain	1.5	14	2
C-1	6147.000	EE2	Elliott Island N W	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	16.00	49° 41' 41.52"	94° 25' 2.84"	Concrete	137	Chain	1.5	14	2
C-1	6148.000	EE5	N W Boulder Island	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 40' 12.9"	94° 20' 36.43"	Concrete	227	Chain	1.5	14	2
C-1	6150.000	EG5	Bigstone Bay Reef	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 39' 41.48"	94° 20' 59.16"	Concrete	227	Chain	1.5	14	2
C-1	6151.000	EE4	North Copper Island	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 40' 48.01"	94° 21' 46.9"	Concrete	227	Chain	1.5	14	2
C-1	6152.000	EE9	Route Bay	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 39' 52.81"	94° 18' 21.97"	Concrete	227	Chain	1.5	14	2
C-1	6153.000	EG7	Eagle Pass	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 38' 4.19"	94° 22' 44.35"	Concrete	227	Chain	1.5	14	2
C-1	6154.000	EE6	N E Minnesabic Isl	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 39' 44.05"	94° 19' 42.7"	Concrete	227	Chain	1.5	14	2
C-1	6155.000	EH1	Jim Jones Point	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 38' 31.51"	94° 26' .93"	Concrete	227	Chain	1.5	14	2
C-1	6156.000	ED4	Argyle Reef	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 42' 47.77"	94° 22' 29.95"	Concrete	227	Chain	1.3	14	2
C-1	6157.000	ED2	Ent to Pine Ptg Bay	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 42' 22.35"	94° 22' 26.55"	Concrete	227	Chain	1.5	14	2
C-1	6158.000	EH3	S W Square Island	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 37' 19.33"	94° 24' 58.68"	Concrete	227	Chain	1.5	14	2
C-1	6159.000	EZ2	Hades Narrows	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 39' 47.46"	94° 25' 35.75"	Concrete	227	Chain	1.3	14	2
C-1	6160.000	EH7	Prestone Reef	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 36' 33.22"	94° 20' 51.95"	Concrete	227	Chain	1.3	14	2
C-1	6161.000	EH2	N E Railroad Island	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 38' 7.46"	94° 25' 47.75"	Concrete	227	Chain	1.5	14	2
C-1	6162.000	EH9	Clam Island Reef	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 36' 25.09"	94° 19' 33.3"	Concrete	227	Chain	1.3	14	2
C-1	6163.000	EH4	S W Square Island	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 37' 17.81"	94° 25' 1.8"	Concrete	227	Chain	1.5	14	2
C-1	6165.000	EK4	Steamboat Bay	ON	6213	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 27' 5.95"	94° 6' 21.5"	Concrete	227	Chain	1.5	14	2
C-1	6166.000	EK3	Tug Narrows	ON	6213	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 27' 38.12"	94° 8' 48.58"	Concrete	227	Chain	1.5	14	2
C-1	6167.000	EK16	Lobstick Point N	ON	6213	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 25' 13.75"	93° 59' 6.15"	Concrete	227	Chain	1.5	14	2
C-1	6168.000	EK5	N Franchuk's Reef	ON	6213	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 26' 47.65"	94° 4' 40.77"	Concrete	227	Chain	1.5	14	2
C-1	6169.000	EM2	Derosiers Point	ON	6213	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 24' 57.09"	94° 0' 24.2"	Concrete	227	Chain	1.5	14	2
C-1	6170.000	EK9	Lobstick Bay Ent	ON	6213	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 26' 19.08"	94° 1' 59.66"	Concrete	227	Chain	1.5	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-1	6171.000	EL24	Gaudry's Reef	ON	6213	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 23' 56.42"	94° 58' 52.14"	Concrete	227	Chain	1.5	14	2
C-1	6172.000	EK15	N Lobstick Point	ON	6213	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 25' 20.01"	94° 59' 32.12"	Concrete	227	Chain	1.5	14	2
C-1	6173.000	EL20	Hass Reef North	ON	6213	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 24' 47.8"	94° 4' 46.21"	Concrete	137	Chain	1.5	14	2
C-1	6174.000	EK17	Roberts Point	ON	6213	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 25' 18.24"	93° 59' 2.1"	Concrete	227	Chain	1.5	14	2
C-1	6175.000	EL16	Crawfords South	ON	6213	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	50.00	49° 24' 45.71"	94° 6' 9.73"	Concrete	227	Chain	5.9	14	2
C-1	6176.000	EL25	Roys Point	ON	6213	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 23' 57.49"	94° 58' 39.97"	Concrete	227	Chain	1.5	14	2
C-1	6177.000	EL14	08/07/88	ON	6213	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 24' 44.48"	94° 6' 27.03"	Concrete	227	Chain	1.5	14	2
C-1	6178.000	EL27	Atikwa Rock	ON	6213	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 23' 55.51"	94° 58' 26.8"	Concrete	227	Chain	1.5	14	2
C-1	6179.000	EL12	Sioux Bay Entrance	ON	6213	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 24' 45.38"	94° 6' 38.05"	Concrete	227	Chain	1.5	14	2
C-1	6180.000	EL23/5	Sammons Reef	ON	6213	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 24' 24"	94° 0' 12"	Concrete	227	Chain	1.5	14	2
C-1	6181.000	EX2	Hydro Island North	ON	6213	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 24' 53.8"	94° 7' 12.4"	Concrete	227	Chain	1.5	14	2
C-1	6182.000	EL23	Regina Mine Reef	ON	6213	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 24' 0"	94° 2' 28"	Concrete	227	Chain	1.5	14	2
C-1	6184.000	EL21	Big Island South	ON	6213	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 24' 45.44"	94° 3' 54.62"	Concrete	227	Chain	1.5	14	2
C-1	6185.000	EL6	S W Fire Island Nrs	ON	6213	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 24' 48.7"	94° 8' 47.91"	Concrete	227	Chain	1.5	14	2
C-1	6186.000	EL19	Bridge East	ON	6213	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 24' 51.57"	94° 4' 49.56"	Concrete	227	Chain	1.5	14	2
C-1	6187.000	EL4	N E Index Island	ON	6213	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 25' 5.47"	94° 9' 39.15"	Concrete	227	Chain	1.5	14	2
C-1	6188.000	EL17	Motlong's Reef	ON	6213	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 24' 46.36"	94° 5' 57.26"	Concrete	227	Chain	1.5	14	2
C-1	6189.000	EL2	W Entrance Log Bay	ON	6213	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 25' 55.21"	94° 11' 3.57"	Concrete	227	Chain	1.5	14	2
C-1	6190.000	EL13	Crawfords S W	ON	6213	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 24' 48.37"	94° 6' 33.49"	Concrete	227	Chain	1.5	14	2
C-1	6192.000	EL11	Sioux Point North	ON	6213	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 24' 42.52"	94° 6' 50.95"	Concrete	227	Chain	1.5	14	2
C-1	6193.000	SE12	S Chisolm Island	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 29' 54.92"	94° 22' 11.15"	Concrete	227	Chain	1.5	14	2
C-1	6195.000	SE10	Sunset Channel	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 29' 6.47"	94° 26' 36.75"	Concrete	227	Chain	1.5	14	2
C-1	6196.000	EL9	Fire Island Narrows	ON	6213	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 24' 56.9"	94° 8' 35.54"	Concrete	227	Chain	1.5	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-1	6198.000	EL7	N W Fire Island Nrs	ON	6213	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 24' 51.37"	94° 8' 46.7"	Concrete	227	Chain	1.5	14	2
C-1	6199.000	SE6	Entrance Maude Lake	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 28' 10.06"	94° 31' 59.31"	Concrete	227	Chain	1.5	14	2
C-1	6200.000	EL3	W Entrance Log Bay	ON	6213	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 25' 49.5"	94° 10' 47.42"	Concrete	227	Chain	1.5	14	2
C-1	6201.000	ECC	South Lunny Island	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-yellow	Seasonal	12.00	49° 41' 25"	94° 26' 58"	Concrete	227	Chain	1.5	14	2
C-1	6202.000	SE5	Entrance Maude lake	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 28' 12"	94° 32' 3"	Concrete	227	Chain	1.5	14	2
C-1	6203.000	E16	Rocky Narrows	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 41' 4.15"	94° 27' .2"	Concrete	227	Chain	1.5	14	2
C-1	6204.000	SE3	W Calendar Island	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 28' 19.12"	94° 33' 14.26"	Concrete	227	Chain	1.5	14	2
C-1	6207.000	SE1	S.E. Pt. Skeet Is.	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	14.00	49° 28' 4.94"	94° 37' 48.39"	Serrated	363	Chain	1.5	14	2
C-1	6209.000	MH3	South Nanton Island MH3	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 41' 2"	94° 27' 35"	Concrete	227	Chain	1.5	14	2
C-1	6210.000	EK	KRATCH ROCK	ON	6213	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-yellow	Seasonal	12.00	49° 28' 24.94"	94° 12' 51.91"	Concrete	227	Chain	1.5	14	2
C-1	6211.000	MH1	North West YMCA Camp MH1	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 41' 20"	94° 28' 32"	Concrete	227	Chain	1.5	14	2
C-1	6212.000	ECE	South East Town Isl. ECE	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Yellow-black-yellow	Seasonal	12.00	49° 41' 50"	94° 27' 45"	Concrete	227	Chain	4.3	14	2
C-1	6213.000	ED1	Pine Portage Bay	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 42' 18.54"	94° 22' 32.74"	Concrete	227	Chain	1.5	14	2
C-1	6214.000	EG3	Bigstone Bay Ent	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 41' 0"	94° 24' 44.28"	Concrete	227	Chain	1.5	14	2
C-1	6215.000	EA2	East Bare Point	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 42' 11.94"	94° 25' 57.55"	Concrete	227	Chain	1.5	14	2
C-1	6216.000	EA4	Bald Indian Bay	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 42' 30.03"	94° 25' 30.92"	Concrete	227	Chain	1.5	14	2
C-1	6217.000	EA6	N E Burley Island	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 42' 41.18"	94° 24' 34.28"	Concrete	227	Chain	1.5	14	2
C-1	6218.000	EA7	W Sultana Island EA7	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 42' 39.2"	94° 24' 22.27"	Concrete	227	Chain	1.5	14	2
C-1	6219.000	EA8	West Sultana Island	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 42' 35.66"	94° 24' 19.17"	Concrete	227	Chain	1.5	14	2
C-1	6220.000	EA11	S W Sultana Island	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 41' 52.11"	94° 23' 55.72"	Serrated	227	Chain	1.5	14	2
C-1	6221.000	EA13	South Sultana Island	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 41' 44.02"	94° 23' 50.44"	Concrete	227	Chain	1.5	14	2
C-1	6223.000	MH	S. Town Island MH	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-yellow	Seasonal	12.00	49° 41' 41"	94° 28' 20"	Concrete	227	Chain	1.5	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-1	6224.000	MG	YMCA South West MG	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-red-black	Seasonal	12.00	49° 40' 46"	94° 28' 53"	Concrete	227	Chain	1.5	14	2
C-1	6225.000	MGG	Spud Reef MGG	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-red-black	Seasonal	12.00	49° 40' 10"	94° 29' 45"	Concrete	227	Chain	1.5	14	2
C-1	6227.000	EC	East Lunny Island EC	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-red-black	Seasonal	12.00	49° 41' 25.14"	94° 26' 9.74"	Concrete	227	Chain	1.5	14	2
C-1	6228.000	EG1	Bigstone Bay West	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 41' .86"	94° 25' 3.28"	Concrete	227	Chain	1.5	14	2
C-1	6229.000	EK7	Franchuk's Reef	ON	6213	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 26' 36.76"	94° 3' 36.28"	Concrete	227	Chain	1.5	14	2
C-1	6232.000	MH2	S W Nanton Island AEL	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 40' 58"	94° 27' 44"	Concrete	227	Chain	1.5	14	2
C-1	6233.000	SK1	Dagger Island	ON	6215	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 18' 44.84"	94° 40' 30.28"	Concrete	227	Chain	1.5	14	2
C-1	6234.000	SA2	North Tip Kennedy I SA2	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 30' 40"	94° 36' 54"	Concrete	227	Chain	1.5	14	2
C-1	6235.000	SH1	N W New Moon Camp	ON	6215	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 13' 17.69"	94° 27' 28.86"	Serrated	363	Chain	1.5	14	2
C-1	6236.000	ST2	S Rabbit Point	ON	6214	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 9' 52.5"	94° 18' 34"	Concrete	227	Chain	1.5	14	2
C-1	6237.000	SH3	South Stairway Point	ON	6215	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 13' 11.56"	94° 27' 20.29"	Concrete	227	Chain	1.5	14	2
C-1	6238.000	SN	East Wolf Island	ON	6214	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-yellow-black	Seasonal	12.00	49° 5' 27"	93° 58' 4"	Serrated	363	Chain	1.5	14	2
C-1	6239.000	SJ2	North Raspberry Isl	ON	6214	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 9' 32.3"	94° 17' .56"	Serrated	363	Chain	1.5	14	2
C-1	6240.000	SB3	S W Painted Rock	ON	6215	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.66	49° 9' 51.4"	94° 31' 32.91"	Serrated	363	Chain	1.5	14	2
C-1	6241.000	SB4	Broomstick Reef	ON	6215	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.66	49° 9' 42.09"	94° 31' 22.76"	Serrated	227	Chain	1.5	14	2
C-1	6244.000	SB10	S.E. Fish Nr. Light	ON	6214	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	7.32	49° 8' 28.34"	94° 25' 24.63"	Concrete	454	Chain	3	14	2
C-1	6245.000	SB13	NorthWest Pork Pt	ON	6214	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.66	49° 8' 1.51"	94° 24' 3.91"	Concrete	454	Chain	1.5	14	2
C-1	6246.000	SB12	S E FISH NARROWS LT	ON	6214	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.66	49° 8' 15.43"	94° 24' 34.57"	Concrete	454	Chain	1.5	14	2
C-1	6247.000	SB15	NORTHWEST PORK PT	ON	6214	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.66	49° 7' .36"	94° 23' 17.64"	Concrete	454	Chain	1.5	14	2
C-1	6248.000	SB16	GRASSY RIV ENT	ON	6214	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.66	49° 5' 31.34"	94° 20' 28.57"	Concrete	227	Chain	1.5	14	2
C-1	6249.000	SB18	LUNNY REEF	ON	6214	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.66	49° 5' 13.37"	94° 20' 15.61"	Concrete	227	Chain	1.5	14	2
C-1	6250.000	SA4	MIKE'S REEF	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 29' 25.7"	94° 37' 43.8"	Concrete	227	Chain	1.5	14	2

Appendix C.2, Central and Arctic Region

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-1	6251.000	SA6	E. PT. HORSE ISLAND	ON	6216	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 28' 50.35"	94° 38' 27.79"	Serrated	363	Chain	1.5	14	2
C-1	6253.000	MW1	LUELLA ISLAND	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 37' 36.33"	94° 36' 11.76"	Concrete	227	Chain	1.5	14	2
C-1	6254.000	MW3	W. LUELLA ISLAND	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 37' 44.41"	94° 36' 11.89"	Serrated	363	Chain	1.5	14	2
C-1	6256.000	MW2	W. LUELLA ISLAND	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.00	49° 37' 41.44"	94° 36' 15.65"	Concrete	227	Chain	1.5	14	2
C-1	6258.000	WA10	N W NORTHERN PEN WA10	ON	6217	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 41' 30"	94° 40' 54"	Concrete	227	Chain	1.5	14	2
C-1	6259.000	WA5	TATES NARROWS WA5	ON	6217	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 39' 32"	94° 41' 0"	Concrete	227	Chain	1.5	14	2
C-1	6260.000	WA12	N W NORTHERN PEN WA12	ON	6217	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 41' 54"	94° 40' 30"	Concrete	227	Chain	1.5	14	2
C-1	6261.000	WA7	N E MACKAYS FARM WA7	ON	6217	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 39' 57"	94° 40' 8"	Concrete	363	Chain	1.5	14	2
C-1	6263.000	WA9	CORKSCREW ISLAND WA9	ON	6217	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 41' 7"	94° 39' 54"	Concrete	363	Chain	1.5	14	2
C-1	6264.000	WA16	W ENT MUD PORTAGE WA16	ON	6217	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	12.00	49° 40' 47"	94° 50' 31"	Concrete	227	Chain	1.3	14	2
C-1	6265.000	WA18	EAST MUD PORTAGE WA18	ON	6217	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 40' 43"	94° 50' 8"	Concrete	227	Chain	1.5	14	2
C-1	6266.000	WA11	N E CORKSCREW ISLAND WA11	ON	6217	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 41' 48"	94° 40' 50"	Concrete	227	Chain	1.5	14	2
C-1	6267.000	WC1	KENDALL INLET WC1	ON	6217	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 42' 52"	94° 39' 50"	Concrete	227	Chain	1.5	14	2
C-1	6268.000	WA20	EAST MUD PORTAGE WA20	ON	6217	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 40' 29"	94° 49' 49"	Concrete	227	Chain	1.5	14	2
C-1	6269.000	WA22	E ENTRANCE RUSH BAY WA22	ON	6217	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 40' 8"	94° 50' 51"	Concrete	363	Chain	1.5	14	2
C-1	6270.000	WA24	ENTRANCE RUSH BAY WA24	ON	6217	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 39' 57"	94° 51' 19"	Concrete	454	Chain	1.5	14	2
C-1	6271.000	WA13	TROUT REEF WA13	ON	6217	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 41' 50"	94° 47' 12"	Concrete	227	Chain	1.5	14	2
C-1	6272.000	WX8	CORKSCREW ISLAND NW WX8	ON	6217	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 41' 57"	94° 43' 35"	Concrete	227	Chain	1.5	14	2
C-1	6273.000	WA15	W ENT MUD PORTAGE WA15	ON	6217	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	12.00	49° 40' 48"	94° 50' 28"	Concrete	137	Chain	1.3	14	2
C-1	6274.000	WA19	WEST MUD PORTAGE WA19	ON	6217	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 40' 45"	94° 49' 51"	Concrete	227	Chain	1.5	14	2
C-1	6275.000	WX6	KEENANAS NARROWS WX6	ON	6217	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 41' 5"	94° 43' 24"	Concrete	227	Chain	1.5	14	2
C-1	6276.000	WX7	EAST ZIG ZAG ISLAND WX7	ON	6217	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 41' 39"	94° 43' 40"	Concrete	227	Chain	1.5	14	2
C-1	6277.000	WX4	SE BURNT ELM ISLAND WX4	ON	6217	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 39' 54"	94° 43' 10"	Concrete	227	Chain	1.5	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-1	6278.000	WX3	N E COPPER ISLAND WX3	ON	6217	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 39' 40"	94° 43' 39"	Concrete	227	Chain	1.5	14	2
C-1	6280.000	WX2	MOORES POINT WEST WX2	ON	6217	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 39' 24"	94° 43' 42"	Concrete	227	Chain	1.5	14	2
C-1	6281.000	WE7	GULL ROCK WE7	ON	6217	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 34' 22"	95° 0' 53"	Concrete	227	Chain	1.5	14	2
C-1	6282.000	WE8	GULL ROCK WE8	ON	6217	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 34' 24"	95° 0' 56"	Concrete	227	Chain	1.5	14	2
C-1	6283.000	WE4	YUM YUM NARROWS WE4	ON	6217	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 34' 4"	94° 59' 34"	Concrete	227	Chain	1.5	14	2
C-1	6288.000	MC	WEST TOWN ISLAND MC	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Yellow-black-yellow	Seasonal	12.00	49° 42' 4"	94° 29' 12"	Concrete	227	Chain	1.5	14	2
C-1	6289.000	MD	N. E. WILDCAT IS. MD	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-red-black	Seasonal	12.00	49° 41' 30"	94° 29' 18"	Concrete	227	Chain	1.5	14	2
C-1	6290.000	M29	CROW ROCK NARROWS	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 36' 15.36"	94° 36' 57.67"	Concrete	227	Chain	1.5	14	2
C-1	6291.000	E1	S. ENT. DEVIL'S GAP E1	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 43' 45"	94° 28' 44"	Concrete	227	Chain	1.3	14	2
C-1	6292.000	E6	NW PT ALLAN'S E6	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 43' 10"	94° 28' 16"	Concrete	227	Chain	1.5	14	2
C-1	6293.000	E3	W. MATHESON BAY E3	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 43' 28"	94° 28' 24"	Concrete	227	Chain	1.5	14	2
C-1	6295.000	E5	NW ALLAN'S NARROWS E5	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 43' 14"	94° 28' 20"	Concrete	227	Chain	1.5	14	2
C-1	6296.000	E7	ALLAN'S NARROWS E7	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 43' 5"	94° 28' 5"	Concrete	227	Chain	1.5	14	2
C-1	6297.000	E18	N. E. SCOTTY'S E18	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 40' 39"	94° 27' 2"	Concrete	227	Chain	1.5	14	2
C-1	6298.000	E9	W. LUNNY'S ISLAND E9	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 42' 3"	94° 27' 13"	Concrete	227	Chain	1.5	14	2
C-1	6299.000	E20	S.E. STRAWBERRY	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 39' 15.69"	94° 27' 31.82"	Concrete	227	Chain	1.5	14	2
C-1	6300.000	EJ2	S. STRAWBERRY IS.	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 39' 1.96"	94° 28' 4.6"	Concrete	227	Chain	1.5	14	2
C-1	6301.000	E11	ROCKY NARROWS E11	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 41' 22"	94° 27' 9"	Concrete	227	Chain	1.5	14	2
C-1	6302.000	E24	GEORGE IS. EAST	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 37' 4.54"	94° 27' 21.68"	Concrete	227	Chain	1.5	14	2
C-1	6303.000	E13	Scovils Hole E13	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 41' 18"	94° 27' 7"	Concrete	227	Chain	1.5	14	2
C-1	6304.000	E26	FRENCH NAR N ENT	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 36' 5.79"	94° 26' 27.35"	Concrete	227	Chain	1.5	14	2
C-1	6306.000	E28	FRENCH NARROWS	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 35' 42.92"	94° 26' 5.9"	Concrete	227	Chain	1.5	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-1	6307.000	E30	RUSTY ISLAND WEST	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 35' 27.58"	94° 26' 17.15"	Concrete	227	Chain	1.5	14	2
C-1	6308.000	E19	WEST RAILROAD IS.	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 38' 17.74"	94° 27' 2.16"	Concrete	227	Chain	1.5	14	2
C-1	6309.000	E32	RED DEER ISLAND REEF	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 33' 53.09"	94° 24' 13.73"	Concrete	227	Chain	1.5	14	2
C-1	6310.000	E21	N W QUEER ISLAND	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 37' 25.78"	94° 27' 8.51"	Concrete	227	Chain	1.5	14	2
C-1	6312.000	E23	MONICAS REEF	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 37' 10.03"	94° 27' 20.64"	Concrete	227	Chain	1.5	14	2
C-1	6313.000	E40	EAST CAMP ISLAND	ON	6213	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 29' 46.74"	94° 17' 39.39"	Concrete	227	Chain	1.5	14	2
C-1	6314.000	E25	FRENCH NARROWS	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 36' 11.78"	94° 26' 29.2"	Concrete	227	Chain	1.5	14	2
C-1	6315.000	E42	GRASSY REEF	ON	6213	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 29' 36.04"	94° 17' 19.47"	Concrete	227	Chain	1.5	14	2
C-1	6316.000	E27	GRASSY ISLAND	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 36' 3.64"	94° 26' 23.87"	Concrete	227	Chain	1.5	14	2
C-1	6317.000	E44	MULLINS REEF	ON	6213	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 29' 2.19"	94° 16' 3.59"	Concrete	227	Chain	1.5	14	2
C-1	6318.000	E29	S. FRENCH NARROWS	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 35' 42.86"	94° 26' 2.92"	Concrete	227	Chain	1.5	14	2
C-1	6319.000	E46	RENDEVOUS POINT	ON	6213	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 28' 22.79"	94° 13' 1.26"	Concrete	227	Chain	1.5	14	2
C-1	6320.000	E33	RED CLIFF BAY S.	ON	6213	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 31' 18.6"	94° 20' 42.76"	Concrete	227	Chain	1.5	14	2
C-1	6321.000	E48	WHITEFISH NARROWS E48	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 28' 10"	94° 13' 14"	Concrete	227	Chain	1.5	14	2
C-1	6322.000	E35	YELLOW GIRL POINT	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 31' 4.04"	94° 20' 29.25"	Concrete	227	Chain	1.5	14	2
C-1	6323.000	E37	N NEPETUGAIN ISLAND	ON	6213	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 30' 35.69"	94° 18' 50.03"	Concrete	227	Chain	1.5	14	2
C-1	6324.000	E50	NORTH EAST CRIB	ON	6213	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 29' 6.78"	94° 13' 25.25"	Concrete	227	Chain	1.5	14	2
C-1	6325.000	E54	N BLUEBERRY POINT	ON	6213	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 25' 3.42"	94° 12' 4"	Concrete	227	Chain	1.5	14	2
C-1	6326.000	E41	S E CAMP ISLAND	ON	6213	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 29' 38.67"	94° 17' 24.66"	Concrete	227	Chain	1.5	14	2
C-1	6327.000	E56	BLUEBERRY POINT	ON	6213	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 24' 55.79"	94° 12' 4.85"	Concrete	227	Chain	1.5	14	2
C-1	6328.000	E49	YELLOW GIRL BAY	ON	6213	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 29' 18.56"	94° 16' 46.89"	Concrete	227	Chain	1.5	14	2
C-1	6329.000	E43	LONG BAY N CHANNEL E43	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 29' 18"	94° 16' 46.8"	Concrete	227	Chain	1.5	14	2
C-1	6330.000	E45	PINE ISLAND	ON	6213	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 28' 42.58"	94° 15' 5.73"	Concrete	227	Chain	1.5	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-1	6332.000	E51	WHITEFISH NARROWS	ON	6213	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 27' 58.59"	94° 13' 24.56"	Concrete	227	Chain	1.5	14	2
C-1	6333.000	E58	JUHL REEF	ON	6213	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 22' 47.3"	94° 11' .52"	Concrete	227	Chain	1.5	14	2
C-1	6334.000	E60	N E BELL ISLAND	ON	6213	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 20' 52.19"	94° 7' 39.51"	Concrete	227	Chain	1.5	14	2
C-1	6336.000	E53	EAST TWIN ISLAND	ON	6213	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 25' 48.54"	94° 12' 10.76"	Concrete	227	Chain	1.5	14	2
C-1	6338.000	E63	N W PATSY ISLAND	ON	6213	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 17' 32.14"	94° 5' 16.7"	Concrete	227	Chain	1.5	14	2
C-1	6339.000	E69	N E TURTLE CANAL	ON	6214	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 12' 24"	94° 6' 37"	Concrete	227	Chain	1.5	14	2
C-1	6340.000	E64	CAMP BAY BEND	ON	6213	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 16' 57.06"	94° 3' 25.08"	Concrete	227	Chain	1.5	14	2
C-1	6341.000	E66	CAMP BAY	ON	6213	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 16' 2.6"	94° 3' 11.24"	Concrete	227	Chain	1.5	14	2
C-1	6342.000	E71	N E BELL ISLAND	ON	6214	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 11' 55"	94° 7' 18"	Concrete	227	Chain	1.5	14	2
C-1	6343.000	E70	NORTH TURTLE REEF	ON	6214	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 12' 6.15"	94° 6' 56.97"	Concrete	227	Chain	1.5	14	2
C-1	6344.000	E75	NORTH TURTLE CANAL	ON	6214	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 11' 46"	94° 7' 18"	Concrete	227	Chain	1.5	14	2
C-1	6345.000	E72	N TURTLE CANAL	ON	6214	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 11' 55"	94° 7' 23"	Concrete	227	Chain	1.5	14	2
C-1	6346.000	E74	TURTLE CANAL	ON	6214	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	12.00	49° 11' 48"	94° 7' 18"	Concrete	227	Chain	1.3	14	2
C-1	6347.000	E76	SOUTH TURTLE CANAL	ON	6214	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 11' 46"	94° 7' 18"	Concrete	227	Chain	1.5	14	2
C-1	6348.000	EA	MATHESON BAY REEF EA	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-red-black	Seasonal	12.00	49° 42' 47"	94° 27' 43"	Concrete	227	Chain	1.5	14	2
C-1	6349.000	E10	N.W. BELL IS. E10	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 41' 34"	94° 27' 14"	Concrete	227	Chain	1.5	14	2
C-1	6350.000	E15	SOUTH BELL ISLAND E15	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 41' 10"	94° 26' 58"	Concrete	227	Chain	1.3	14	2
C-1	6351.000	E39	SOUTHWEST PEEWABIC	ON	6213	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 30' 5.64"	94° 18' 5.44"	Concrete	227	Chain	1.5	14	2
C-1	6354.000	M32	NW HIGH ROCK ISLAND	ON	6216	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 34' 47.63"	94° 37' 44.68"	Concrete	227	Chain	1.5	14	2
C-1	6355.000	M38	BIG NARROWS E ENT.	ON	6216	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 32' 28.96"	94° 41' 6.91"	Concrete	227	Chain	1.5	14	2
C-1	6356.000	SM3	TRANQUIL CHANNEL W.	ON	6216	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 28' 12"	94° 40' 48"	Concrete	227	Chain	1.5	14	2
C-1	6357.000	M54	N.E. LILLY ISLAND M54	ON	6216	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 26' 27"	94° 46' 36"	Concrete	227	Chain	1.5	14	2
C-1	6360.000	K2	HOSPITAL POINT K2	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 45' 55.15"	94° 29' 57.76"	Concrete	227	Chain	1.5	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-1	6361.000	K3	GEDDES PT. K3	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 45' 36"	94° 30' 26"	Concrete	227	Chain	1.5	14	2
C-1	6362.000	K4	BIRCH TERRACE K4	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 45' 55"	94° 30' 13"	Concrete	227	Chain	1.5	14	2
C-1	6363.000	KK	S. SAFETY BAY KK	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-red-black	Seasonal	12.00	49° 45' 37.61"	94° 30' 36.47"	Concrete	227	Chain	1.5	14	2
C-1	6364.000	KA	MINAKI REEF KA	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Black-red-black	Seasonal	12.00	49° 44' 2.14"	94° 28' 40.42"	Concrete	227	Chain	1.5	14	2
C-1	6365.000	K7	OFB AIR BASE K7	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 45' 26.45"	94° 31' 2.44"	Concrete	227	Chain	1.5	14	2
C-1	6366.000	KE2	S E KEEWATIN BEACH KE2	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 45' 16.15"	94° 33' 19.75"	Concrete	227	Chain	1.3	14	2
C-1	6367.000	K5	ENTRANCE NORMAN BAYK5	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 45' 45"	94° 31' 2"	Concrete	227	Chain	1.5	14	2
C-1	6368.000	K11	N W CONEY ISLAND K11	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 45' 24.17"	94° 31' 44.75"	Concrete	227	Chain	1.5	14	2
C-1	6369.000	K14	N E HONEYMOON ISLAND K14	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 45' 10.15"	94° 32' 4.77"	Concrete	227	Chain	1.5	14	2
C-1	6371.000	K17	WEST CONEY ISLAND K17	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 44' 59.16"	94° 31' 55.77"	Concrete	227	Chain	1.3	14	2
C-1	6372.000	K18	MCMILLAN IS. E. K18	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 44' 56"	94° 32' 17"	Concrete	227	Chain	1.3	14	2
C-1	6373.000	K19	WEST CONEY ISLAND K19	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 44' 53.08"	94° 31' 48.42"	Concrete	227	Chain	1.3	14	2
C-1	6375.000	KA4	REO BAY ENT. KA4	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 44' 22.15"	94° 33' 36.77"	Concrete	227	Chain	1.3	14	2
C-1	6376.000	K21	HONEYMOON I. K21	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 45' 5"	94° 32' 23"	Concrete	227	Chain	1.5	14	2
C-1	6378.000	KA1	MENZIES KA1	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 44' 54.16"	94° 32' 51.74"	Concrete	227	Chain	1.5	14	2
C-1	6379.000	MC2	SEAPLANE LANDG STRIP MC2	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 45' 1.16"	94° 29' 42.74"	Concrete	227	Chain	1.5	14	2
C-1	6380.000	KA3	REO BAY ENTRANCE KA3	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 44' 22.16"	94° 33' 8.75"	Concrete	227	Chain	1.3	14	2
C-1	6381.000	MC4	SOUTH CONEY ISLAND MC4	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 44' 52.16"	94° 30' 4.74"	Concrete	227	Chain	1.5	14	2
C-1	6382.000	KA5	REO BAY KA5	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 44' 19.16"	94° 33' 31.74"	Concrete	227	Chain	1.5	14	2
C-1	6383.000	MC6	SOUTHEAST CONEY ISL MC6	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 44' 46.68"	94° 30' 16.76"	Concrete	227	Chain	1.5	14	2
C-1	6384.000	MA1	N W TOOLE ISLAND MA1	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 45' 17.16"	94° 29' 42.73"	Concrete	227	Chain	1.5	14	2
C-1	6385.000	MC8	SOUTH CONEY ISLAND MC8	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 44' 45.81"	94° 30' 44.13"	Concrete	227	Chain	1.5	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-1	6387.000	K22	S E GULL ROCK LITE K22	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 43' 47.77"	94° 32' 16.84"	Concrete	227	Chain	1.3	14	2
C-1	6389.000	K36	W ENT KEEWATIN CHAN K36	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 43' 2"	94° 31' 40"	Concrete	227	Chain	1.5	14	2
C-1	6390.000	MA3	ISLE PETITE S. MA3	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 45' 4.13"	94° 29' 50.77"	Concrete	227	Chain	1.5	14	2
C-1	6392.000	MC9	NORTH GUN CLUB ISL MC9	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 44' 40.16"	94° 30' 43.76"	Concrete	227	Chain	1.5	14	2
C-1	6396.000	KH	S W GULL ROCK LITE KH	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Yellow-black	Seasonal	12.00	49° 43' 43.51"	94° 32' 25.21"	Concrete	227	Chain	1.3	14	2
C-1	6399.000	K35	West KEEWATIN CHAN K35	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 43' 2.83"	94° 31' 43.31"	Concrete	227	Chain	1.5	14	2
C-1	6400.000	ME2	MONGRAINS REEF ME2	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.00	49° 44' 33.15"	94° 30' 21.76"	Concrete	227	Chain	1.5	14	2
C-1	6401.000	MAA	NW GARDNER'S MON MAA	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Yellow-black-yellow	Seasonal	12.00	49° 42' 30"	94° 29' 32"	Concrete	227	Chain	1.5	14	2
C-1	6402.000	ME4	SOUTHWEST FORT SAM ME4	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 44' 24.15"	94° 30' 20.73"	Concrete	227	Chain	1.5	14	2
C-1	6403.000	MD1	SOUTH CONEY ISLAND MD1	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 44' 56.16"	94° 30' 39.74"	Concrete	227	Chain	1.5	14	2
C-1	6405.500	MB1	MB1	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)		49° 44' 36.8"	94° 29' 42.6"	Concrete	227	Chain	4.3	14	2
C-1	6406.000	MB2	JOHNSON ISLAND SOUTH MB2	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 44' 35.1"	94° 29' 46.5"	Concrete	227	Chain	1.3	14	2
C-1	6407.000	ME3	WEST FORT SAM ME3	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 44' 33.16"	94° 30' 17.74"	Concrete	227	Chain	1.5	14	2
C-1	6408.000	MB6	WEST RED WING BAY MB6	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 44' 21"	94° 30' 4"	Concrete	227	Chain	1.5	14	2
C-1	6409.000	ME5	EAST GUN CLUB ISLAND ME5	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 44' 22.15"	94° 30' 18.86"	Concrete	227	Chain	1.5	14	2
C-1	6410.000	ME6	TIPPEE CANOE CHAN ME6	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 44' 11.15"	94° 30' 41.75"	Concrete	227	Chain	1.5	14	2
C-1	6412.000	ME8	TIPPEE CANOE CHAN ME8	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 44' 7.16"	94° 30' 52.74"	Concrete	227	Chain	1.5	14	2
C-1	6413.000	MB3	JOHNSON I. S. MB3	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 44' 36.9"	94° 29' 44.3"	Concrete	227	Chain	1.3	14	2
C-1	6414.000	KM2	SECOND CHAN W ENT KM2	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 42' 40.16"	94° 31' 40.74"	Concrete	227	Chain	1.5	14	2
C-1	6415.000	KM1	CROWE IS. N.E. KM1	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 43' 38.16"	94° 31' 29.74"	Concrete	227	Chain	1.5	14	2
C-1	6416.000	KM4	SECOND CHANNEL KM4	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 42' 24.02"	94° 31' 26.02"	Concrete	227	Chain	1.5	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-1	6417.000	KM6	SECOND CHANNEL KM6	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 42' 17.16"	94° 31' 18.74"	Concrete	227	Chain	1.5	14	2
C-1	6419.000	KM10	SECOND CHANNEL KM10	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 42' 17.79"	94° 31' 2.21"	Concrete	227	Chain	1.5	14	2
C-1	6420.000	KM3	SECOND CHAN W ENT KM3	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 42' 24.36"	94° 31' 24.55"	Concrete	227	Chain	1.5	14	2
C-1	6421.000	KM12	SECOND CHAN E ENT KM12	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 42' 12.6"	94° 30' 30.9"	Concrete	227	Chain	1.5	14	2
C-1	6422.000	KM5	SECOND CHANNEL KM5	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 42' 21.14"	94° 31' 23.75"	Concrete	227	Chain	1.5	14	2
C-1	6423.000	KL2	M.L.A. NARROWS KL2	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 42' 21.65"	94° 30' 8.02"	Concrete	227	Chain	1.5	14	2
C-1	6424.000	KL4	LEISURE ISLAND WEST KL4	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 42' 20.06"	94° 30' 9.88"	Concrete	227	Chain	1.5	14	2
C-1	6425.000	KM11	SECOND CHAN E ENT KM11	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 42' 11.15"	94° 30' 43.75"	Concrete	227	Chain	1.5	14	2
C-1	6426.000	K44	NW PICKERAL ISLAND K44	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 42' 13.16"	94° 29' 43.74"	Concrete	227	Chain	1.5	14	2
C-1	6428.000	K46	ST. HELENA IS. N.E. K46	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 42' 2.27"	94° 29' 55.73"	Concrete	227	Chain	1.5	14	2
C-1	6429.000	MB11	TREATY IS. N. MB11	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 43' 52"	94° 31' 0"	Concrete	227	Chain	1.3	14	2
C-1	6430.000	K6	RYAN REEF K6	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 45' 37.15"	94° 31' 9.74"	Concrete	227	Chain	1.5	14	2
C-1	6431.000	KC	EAST YACHT CLUB ISL KC	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-red-black	Seasonal	12.00	49° 44' 12.13"	94° 31' 48.75"	Concrete	227	Chain	1.3	14	2
C-1	6432.000	KD	EAST YACHT CLUB ISL KD	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-red-black	Seasonal	12.00	49° 44' 7.57"	94° 31' 47.33"	Concrete	227	Chain	1.3	14	2
C-1	6433.000	KE	MONGAINS REEF KE	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-red-black	Seasonal	12.00	49° 43' 7.17"	94° 32' 16.71"	Concrete	227	Chain	1.5	14	2
C-1	6434.000	KF	SOUTH CROWE ISLAND KF	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-red-black	Seasonal	12.00	49° 43' 11.17"	94° 31' 56.7"	Concrete	227	Chain	1.5	14	2
C-1	6435.000	MD3	SOUTH CONEY ISLAND MD3	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 44' 53.55"	94° 30' 47.18"	Concrete	227	Chain	1.5	14	2
C-1	6436.000	M99	GOOSENECK S E	ON	6211	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 4' 10"	94° 28' 42"	Concrete	227	Chain	1.5	14	2
C-1	6439.000	M2	WATER INTAKE M2	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 45' 19.16"	94° 29' 32.75"	Concrete	227	Chain	1.5	14	2
C-1	6440.000	M1	CAMERON'S NARROWS M1	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 45' 25.17"	94° 29' 30.72"	Concrete	227	Chain	1.5	14	2
C-1	6441.000	M6	GOAT I. REEF M6	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 44' 44.16"	94° 29' 23.74"	Concrete	227	Chain	1.5	14	2
C-1	6442.000	M3	EUREKA POINT M3	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 45' 5.16"	94° 29' 25.77"	Concrete	227	Chain	1.5	14	2
C-1	6443.000	M12	MINAKI REEF (GAP) M12	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 44' 4.15"	94° 28' 49.75"	Concrete	227	Chain	1.5	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-1	6444.000	M7	BILLY ROSS M7	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 44' 18.18"	94° 29' 3.75"	Concrete	227	Chain	1.5	14	2
C-1	6445.000	M18	ISLAND D-92 SOUTH M18	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 43' 14"	94° 28' 58"	Concrete	227	Chain	1.5	14	2
C-1	6446.000	M9	POWER LINE M9	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 44' 15.97"	94° 28' 59.54"	Concrete	227	Chain	1.5	14	2
C-1	6447.000	MA	GARDNER'S MONUMENT MA	ON	6218	Unlit	0.6m SB 60 Spar Can Pl		Plastic	Black-yellow-black	Seasonal	12.00	49° 42' 26.23"	94° 29' 27.15"	Concrete	910	Chain	9.1	14	2
C-1	6448.000	M11	DEVIL'S GAP M11	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 44' 9.16"	94° 28' 50.77"	Concrete	227	Chain	1.5	14	2
C-1	6449.500	M13	M13	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 43' 48.5"	94° 28' 39"	Concrete	227	Chain	1.5	14	2
C-1	6450.000	M22	WILDCAT REEF M22	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 41' 22"	94° 29' 45"	Concrete	227	Chain	1.5	14	2
C-1	6451.000	M15	N.W. GALT ISLAND M15	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 43' 22"	94° 28' 50"	Concrete	227	Chain	1.5	14	2
C-1	6453.000	M17	WEST PT GALT ISLAND M17	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 43' 17"	94° 28' 57"	Concrete	227	Chain	1.5	14	2
C-1	6454.000	M19	DE SIEYES WEST M19	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	13.66	49° 43' 3"	94° 29' 1"	Concrete	227	Chain	1.5	14	2
C-1	6455.000	M27	MCKENZIE REEF	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 37' 3.36"	94° 35' 52.77"	Concrete	227	Chain	1.3	14	2
C-1	6456.000	M26	S. E. SHANNON IS.	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 38' 22.39"	94° 34' 24.67"	Concrete	227	Chain	1.5	14	2
C-1	6457.000	M31	CROW ROCK NARROWS S.	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 35' 50.39"	94° 36' 57.76"	Concrete	227	Chain	1.5	14	2
C-1	6458.000	M35	PINE ISLAND N E M35	ON	6216	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 33' 32"	94° 39' 24"	Concrete	137	Chain	1.5	14	2
C-1	6461.000	M36	SOUTH OAK POINT M36	ON	6216	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 32' 48"	94° 40' 25"	Concrete	227	Chain	1.5	14	2
C-1	6462.000	M42	FERRIS ISLAND E. M42	ON	6216	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 30' 43"	94° 44' 30"	Concrete	227	Chain	1.5	14	2
C-1	6463.000	M39	EAST DAVIES LIGHT M39	ON	6216	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 31' 40"	94° 42' 7"	Concrete	227	Chain	1.3	14	2
C-1	6464.000	MBB	BISHOP POINT MBB	ON	6216	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-yellow-black	Seasonal	12.00	49° 29' 16"	94° 46' 34"	Concrete	227	Chain	1.5	14	2
C-1	6465.000	M41	BOTTLE POINT M41	ON	6216	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 30' 49"	94° 44' 22"	Concrete	227	Chain	1.5	14	2
C-1	6466.000	M46	MCMILLAN REEF M46	ON	6216	Unlit	0.6m SB 60 Spar Conical Pl		Plastic	Red	Seasonal	12.00	49° 28' 39"	94° 46' 9"	Concrete	227	Chain	1.5	14	2
C-1	6467.000	M43	WALKER'S REEF M43	ON	6216	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 30' 33"	94° 44' 36"	Concrete	227	Chain	1.5	14	2
C-1	6468.000	M48	ELMER'S REEF M48	ON	6216	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 28' 8"	94° 45' 33"	Concrete	227	Chain	1.5	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-1	6469.000	M47	TOAD STOOL WEST M47	ON	6216	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 28' 38"	94° 46' 3"	Concrete	227	Chain	1.5	14	2
C-1	6470.000	M50	ROYAL ISLAND WEST M50	ON	6216	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 27' 56"	94° 45' 6"	Concrete	227	Chain	1.3	14	2
C-1	6471.000	M55	HORSE SHOE HARBOUR M55	ON	6216	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 26' 18"	94° 46' 42"	Concrete	227	Chain	1.5	14	2
C-1	6472.000	M57	MONKEY ROCKS M57	ON	6216	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 24' 9"	94° 47' 59"	Concrete	227	Chain	1.5	14	2
C-1	6473.000	M56	HORSE SHOE HARBOUR WEST M56	ON	6216	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 26' 9"	94° 47' 3"	Concrete	227	Chain	1.5	14	2
C-1	6474.000	M59	MONKEY ROCKS CENTRE M59	ON	6216	Unlit	0.6m SB 60 Spar Can Pl		Plastic	Green	Seasonal	12.00	49° 24' 5"	94° 48' 2"	Concrete	227	Chain	1.5	14	2
C-1	6475.000	M62	FOSTER'S REEF M62	ON	6216	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 22' 7"	94° 49' 7"	Concrete	227	Chain	1.5	14	2
C-1	6477.000	M63	FOSTER'S ROCK M63	ON	6216	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 21' 56"	94° 49' 3"	Concrete	227	Chain	1.5	14	2
C-1	6478.000	M70	SOUTHEAST WINDFALL M70	ON	6216	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 20' 38"	94° 50' 54"	Concrete	227	Chain	1.5	14	2
C-1	6479.000	MP2	N W CYCLONE ISLAND	ON	6215	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 19' 56.57"	94° 51' 49.63"	Concrete	227	Chain	1.5	14	2
C-1	6480.000	M65	EAST WINDFAL ISLAND M65	ON	6216	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 21' 50"	94° 49' 2"	Concrete	227	Chain	1.5	14	2
C-1	6481.000	M74	CYCLONE ISLAND NORTH M74	ON	6216	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 20' 26"	94° 50' 24"	Concrete	227	Chain	1.5	14	2
C-1	6482.000	M69	SOUTH WINDFALL IS. M69	ON	6216	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 20' 49"	94° 50' 14"	Concrete	227	Chain	1.5	14	2
C-1	6483.000	MP3	N W CYCLONE ISLAND	ON	6215	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 19' 53.51"	94° 51' 42.45"	Concrete	227	Chain	1.5	14	2
C-1	6484.000	M76	NORTHEAST BIRCH ISL M76	ON	6216	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 19' 24"	94° 46' 24"	Concrete	227	Chain	1.3	14	2
C-1	6485.000	M81	NORTH POPLAR ISLAND	ON	6215	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 18' 16.4"	94° 41' 16.49"	Concrete	227	Chain	1.5	14	2
C-1	6486.000	M82	POPLAR ISLAND NORTH	ON	6215	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 18' 13.35"	94° 41' 9.99"	Concrete	227	Chain	1.5	14	2
C-1	6487.000	M84	DOG ISLAND	ON	6215	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.66	49° 15' 7.88"	94° 35' 29.37"	Concrete	227	Chain	1.5	14	2
C-1	6488.000	M89	S W DALSEGS	ON	6215	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.66	49° 13' 16.13"	94° 33' 4.54"	Concrete	227	Chain	1.5	14	2
C-1	6490.000	M93	PAINTED ROCK NARROWS	ON	6215	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.66	49° 10' 53.29"	94° 31' 16.54"	Concrete	227	Chain	1.5	14	2
C-1	6491.000	M88	EAST PONY ISLAND	ON	6215	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.66	49° 13' 57.85"	94° 34' 34.67"	Concrete	227	Chain	1.5	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-1	6492.000	M90	N E LITTLE BIRCH ISL	ON	6215	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.66	49° 13' 16.86"	94° 32' 43.09"	Concrete	227	Chain	1.5	14	2
C-1	6493.000	M92	EAST LITTLE BIRCH IS	ON	6215	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.66	49° 13' 12.51"	94° 32' 28.69"	Concrete	227	Chain	1.5	14	2
C-1	6494.000	M97	DAWSON NARROWS WEST	ON	6215	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.66	49° 6' 5.09"	94° 33' 31.79"	Concrete	227	Chain	1.5	14	2
C-1	6495.000	M94	GRASSY PT BIG ISLAND	ON	6215	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.66	49° 9' 39"	94° 32' 23.99"	Concrete	227	Chain	1.5	14	2
C-1	6497.000	M101	GOOSENECK Is E	ON	6211	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.66	49° 3' 56"	94° 28' 30"	Concrete	227	Chain	1.5	14	2
C-1	6498.000	M103	SNAKE REEF	ON	6211	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	7.32	49° 58' 21"	94° 34' 29"	Concrete	454	Chain	3	14	2
C-1	6499.000	M105	COUTTS REEF	ON	6211	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	7.32	49° 57' 18"	94° 35' 57"	Concrete	454	Chain	3	14	2
C-1	6500.000	M	BURTON REEF WEST	ON	6211	Unlit	0.6m SB 60 Spar Can Pl		Plastic	Black-red-black	Seasonal	7.32	48° 58' 39"	94° 36' 42"	Concrete	910	Chain	3	14	2
C-1	6501.000	S13	ALFRED'S REEF	ON	6216	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 30' 54"	94° 37' 42.25"	Concrete	227	Chain	1.3	14	2
C-1	6502.000	S15	S.W. KENNEDY ISLAND S15	ON	6216	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 29' 38"	94° 39' 21"	Concrete	227	Chain	1.5	14	2
C-1	6503.000	S1	SOUTH WHISKEY ISLAND	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 38' 36.02"	94° 32' 2.99"	Concrete	227	Chain	1.5	14	2
C-1	6504.000	S2	N. ENTRANCE 12 M NARROWS	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.66	49° 37' 20.99"	94° 33' 30.69"	Concrete	227	Chain	1.3	14	2
C-1	6505.000	S23	GRANDY REEF	ON	6215	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 18' 55.41"	94° 39' 8.16"	Concrete	227	Chain	1.5	14	2
C-1	6506.000	S4	SWANSON REEF	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 36' 36.84"	94° 34' 3.08"	Concrete	227	Chain	1.3	14	2
C-1	6507.000	S33	EAST FISH ISLAND	ON	6215	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 16' 27.6"	94° 32' 42.21"	Concrete	227	Chain	1.5	14	2
C-1	6508.000	S6	JAHN'S REEF	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 33' 17.91"	94° 36' 13.55"	Concrete	227	Chain	1.3	14	2
C-1	6509.000	S39	SAND POINT	ON	6215	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 14' 57.03"	94° 32' 15.7"	Concrete	227	Chain	1.5	14	2
C-1	6510.000	S8	CAMERON ROCK	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 33' 5.68"	94° 35' 25.94"	Concrete	227	Chain	1.3	14	2
C-1	6511.000	S41	NORTH RUBBER ISLAND	ON	6215	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 14' 27.26"	94° 30' 46.92"	Concrete	227	Chain	1.5	14	2
C-1	6512.000	S12	QUARTZ REEF	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 31' 20.84"	94° 37' 24.59"	Concrete	227	Chain	1.3	14	2
C-1	6513.000	S14	CHARLIE'S REEF S14	ON	6216	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 25' 8"	94° 42' 7"	Concrete	227	Chain	1.5	14	2
C-1	6514.000	S45	MINK PORTAGE	ON	6214	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 12' 48.22"	94° 19' 53.21"	Concrete	227	Chain	1.5	14	2
C-1	6515.000	S16	WALLY'S REEF S16	ON	6216	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 25' 4"	94° 42' 7"	Concrete	227	Chain	1.5	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-1	6516.000	S51	RESERVE NO 32 C	ON	6214	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 10' 34.33"	94° 13' 21.66"	Concrete	227	Chain	1.5	14	2
C-1	6517.000	S20	FR. PTG. SCHOOL NAR. S20	ON	6216	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 24' 12"	94° 41' 52"	Concrete	227	Chain	1.5	14	2
C-1	6518.000	S53	WEST OF TURTLE LAKE	ON	6214	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 10' 29.54"	94° 10' 13.15"	Concrete	227	Chain	1.5	14	2
C-1	6519.000	S22	SOUTHEAST FALCON IS. S22	ON	6216	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 20' 48"	94° 42' 24"	Concrete	227	Chain	1.5	14	2
C-1	6520.000	S55	S W TURTLE LAKE	ON	6214	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 10' 33.4"	94° 9' 46.63"	Concrete	227	Chain	1.5	14	2
C-1	6521.000	S26	GULL REEF W. ENT.	ON	6215	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 18' 1.09"	94° 37' 20.78"	Concrete	227	Chain	1.5	14	2
C-1	6522.000	S65	STEVENS BAY	ON	6214	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 10' 7.8"	94° 5' 26.73"	Concrete	227	Chain	1.5	14	2
C-1	6523.000	S30	N.E. FISH ISLAND	ON	6215	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 16' 36.66"	94° 33' 13.11"	Concrete	227	Chain	1.5	14	2
C-1	6524.000	S32	FISH ISLAND E	ON	6215	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 16' 25.75"	94° 32' 48.63"	Concrete	227	Chain	1.5	14	2
C-1	6525.000	S71	CROOKED FOOT POINT	ON	6214	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 7' 45.34"	94° 6' 14.57"		227	Chain	1.5	14	2
C-1	6526.000	S34	S. E. FISH ISLAND	ON	6215	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 16' 18.96"	94° 32' 40.61"	Concrete	227	Chain	1.5	14	2
C-1	6527.000	S77	SPLIT ROCK NARROWS	ON	6214	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 6' 17.97"	94° 4' 2.94"	Concrete	227	Chain	1.5	14	2
C-1	6528.000	S36	NW PT NORTH ISLAND	ON	6215	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 15' 57.88"	94° 32' 16.13"	Concrete	227	Chain	1.5	14	2
C-1	6529.000	SN3	DALSEG'S LANDING	ON	6214	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 8' 13.95"	93° 57' 4.11"	Concrete	227	Chain	1.5	14	2
C-1	6530.000	S38	NORTH ISLAND S.E.	ON	6215	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 15' 4.23"	94° 32' 11.52"	Concrete	227	Chain	1.5	14	2
C-1	6531.000	S75	WEST SPLIT ROCK NRWS	ON	6214	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 6' 15.07"	94° 4' 29.06"	Concrete	227	Chain	1.5	14	2
C-1	6532.000	S40	RUBBER ISLAND NORTH	ON	6215	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 14' 25.86"	94° 30' 48.74"	Concrete	227	Chain	1.5	14	2
C-1	6533.000	SC13	NORTHEAST CEDAR ISL	ON	6214	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 6' 55.61"	94° 11' 23.31"	Concrete	227	Chain	1.5	14	2
C-1	6536.000	SC3	LITTLE RASPBERRY ISL	ON	6214	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 8' 26.9"	94° 17' 35.77"	Concrete	227	Chain	1.5	14	2
C-1	6537.000	MS17	SOUTHWEST BRULE LITE	ON	6214	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 7' 46.34"	94° 20' 8.57"	Concrete	227	Chain	1.5	14	2
C-1	6538.000	S58	S W TURTLE LAKE	ON	6214	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 10' 48.34"	94° 8' 42.64"	Concrete	227	Chain	1.5	14	2
C-1	6539.000	S50	NORTH BUFF ISLAND	ON	6214	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 10' 36.45"	94° 13' 28.34"	Concrete	227	Chain	1.5	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-1	6540.000	MS11	S E PT BURNT ISLAND	ON	6214	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.66	49° 4' 32.35"	94° 24' 48.57"	Concrete	227	Chain	1.3	14	2
C-1	6541.000	S60	TURTLE LAKE	ON	6214	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 10' 50.38"	94° 8' 23.59"	Concrete	227	Chain	1.5	14	2
C-1	6542.000	MS7	N W HARBOUR ISLAND	ON	6214	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.66	49° 4' 12.93"	94° 25' 48.1"	Concrete	227	Chain	1.5	14	2
C-1	6543.000	S62	WEST OF STEVENS BAY	ON	6214	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 10' 45.32"	94° 6' 56.63"	Concrete	227	Chain	1.5	14	2
C-1	6544.000	MS5	N E HARBOUR ISLAND	ON	6214	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 4' 7.37"	94° 26' .71"	Concrete	227	Chain	1.5	14	2
C-1	6545.000	S66	STONEY PORTAGE	ON	6214	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 9' 43.64"	94° 5' 9.66"	Concrete	227	Chain	1.5	14	2
C-1	6546.000	MS3	N W HARBOUR ISLAND	ON	6214	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.66	49° 4' 3.84"	94° 26' 9.78"	Concrete	227	Chain	1.5	14	2
C-1	6547.000	S74	CROOKED FOOT CHANNEL	ON	6214	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 6' 21.47"	94° 4' 15.02"	Concrete	227	Chain	1.5	14	2
C-1	6548.000	S76	EAST PINE ISLAND	ON	6214	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 6' 1.36"	94° 3' 34.64"	Concrete	227	Chain	1.5	14	2
C-1	6549.000	S80	NESTOR FALLS BAY	ON	6214	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 7' .37"	93° 55' 48.59"	Concrete	227	Chain	1.5	14	2
C-1	6550.000	SN4	PINE POINT	ON	6214	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 8' 34.59"	93° 57' 5.65"	Concrete	227	Chain	1.5	14	2
C-1	6551.000	SN6	SHADY REST	ON	6214	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 8' 39.37"	93° 56' 58.58"	Concrete	227	Chain	1.5	14	2
C-1	6552.000	SN8	CROWE PORTAGE	ON	6214	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 9' 37.31"	93° 56' 1.94"	Concrete	227	Chain	1.5	14	2
C-1	6553.000	SC14	CEDAR ISLAND	ON	6214	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 6' 25.36"	94° 9' 45.52"	Concrete	227	Chain	1.5	14	2
C-1	6554.000	SC12	JACKPINE BAY	ON	6214	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 7' 20.36"	94° 13' 6.6"	Concrete	227	Chain	1.5	14	2
C-1	6555.000	SC10	S RASPBERRY ISLAND	ON	6214	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 8' 36.44"	94° 15' 55.0555"	Concrete	227	Chain	1.5	14	2
C-1	6556.000	SC8	Waldron Island N.	ON	6214	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	2.00	49° 8' 29.0293"	94° 16' 24.7"	Concrete	227	Chain	4	14	2
C-1	6557.000	SC6	SABASKONG GOVT WHARF	ON	6214	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 8' 23.03"	94° 16' 55.79"	Concrete	227	Chain	1.5	14	2
C-1	6558.000	SC4	N E FRED'S PLACE	ON	6214	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 8' 19.4"	94° 17' 9.61"	Concrete	227	Chain	1.5	14	2
C-1	6559.000	SC2	NORTH BUDREAUS ISL	ON	6214	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 8' 16.32"	94° 18' 54.53"	Concrete	227	Chain	1.5	14	2
C-1	6560.000	MS16	PARROTTS ROCK	ON	6214	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	7.32	49° 7' 16.3"	94° 20' 42.61"	Concrete	454	Chain	3	14	2
C-1	6561.000	MS14	N W PORK POINT	ON	6214	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	7.32	49° 5' 34.32"	94° 22' 55.66"	Concrete	454	Chain	3	14	2
C-1	6562.000	MS12	WEST PORK POINT	ON	6214	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	7.32	49° 5' 27.02"	94° 23' 4.89"	Concrete	454	Chain	3	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-1	6563.000	MS10	NORTH HARBOUR ISLAND	ON	6214	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 4' 20.34"	94° 25' 23.65"	Concrete	227	Chain	1.5	14	2
C-1	6564.000	MS8	NORTH HARBOUR ISLAND	ON	6214	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 4' 14.92"	94° 25' 38.97"	Concrete	227	Chain	1.5	14	2
C-1	6565.000	S10	WINDJAMMER SHOAL	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 32' 46.38"	94° 35' 41.94"	Concrete	227	Chain	1.3	14	2
C-1	6566.000	S18	BOUCHA FISHERY S18	ON	6216	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 24' 56"	94° 42' 7"	Concrete	227	Chain	1.5	14	2
C-1	6567.000	S56	SOUTH BEND TURTLE	ON	6214	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 10' 39.36"	94° 9' 12.52"	Concrete	227	Chain	1.5	14	2
C-1	6568.000	S79	CYCLONE POINT	ON	6214	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 5' 48.97"	93° 57' 49.9"	Concrete	227	Chain	1.5	14	2
C-1	6569.000	MS1	NORTH VILLAGE ISLAND	ON	6214	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.66	49° 3' 36.25"	94° 27' 42.35"	Concrete	227	Chain	1.5	14	2
C-1	6570.000	W2	N E WYLIES LIGHT	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 39' 44.59"	94° 31' 58.71"	Concrete	227	Chain	1.5	14	2
C-1	6571.000	W3	MALMOS REEF	ON	6212	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.66	49° 39' 22.37"	94° 34' 34.74"	Concrete	227	Chain	1.5	14	2
C-1	6572.000	W4	JOHNSON FISHERY	ON	6212	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 39' 16.37"	94° 36' 11.68"	Concrete	227	Chain	1.5	14	2
C-1	6573.000	W5	NEBRASKA AVE W5	ON	6217	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 38' 44"	94° 40' 20"	Concrete	227	Chain	1.5	14	2
C-1	6574.000	W6	E ENT PTARMIGAN BAY W6	ON	6217	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 38' 56"	94° 39' 50"	Concrete	227	Chain	1.5	14	2
C-1	6575.000	W7	SOUTH COPPER ISLAND W7	ON	6217	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 38' 36"	94° 44' 19"	Concrete	227	Chain	1.5	14	2
C-1	6576.000	W8	ASH BAY ENTRANCE W8	ON	6217	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 38' 27"	94° 45' 44"	Concrete	227	Chain	1.5	14	2
C-1	6577.000	W9	ASH BAY ENT EAST W9	ON	6217	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 38' 33"	94° 45' 44"	Concrete	227	Chain	1.5	14	2
C-1	6578.000	W15	SHOAL LAKE NARROWS W15	ON	6217	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 36' 50"	94° 47' 41"	Concrete	227	Chain	1.5	14	2
C-1	6579.000	W10	MUSKIE REEF W10	ON	6217	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 37' 24"	94° 46' 23"	Concrete	227	Chain	1.5	14	2
C-1	6580.000	W19	PLAYFAIR REEF W19	ON	6217	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 35' 49"	94° 50' 30"	Concrete	227	Chain	1.5	14	2
C-1	6581.000	W12	ASH RAPIDS W12	ON	6217	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 37' 16"	94° 46' 26"	Concrete	227	Chain	1.5	14	2
C-1	6582.000	W21	SHOAL LK NARROWS W21	ON	6217	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 34' 50"	94° 51' 22"	Concrete	227	Chain	1.5	14	2
C-1	6584.000	W23	Shoal Lake Narrows West W23	ON	6217	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 34' 24"	94° 52' 5"	Concrete	227	Chain	1.5	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-1	6585.000	KK17	STATION BAY KK17	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 45' 46"	94° 32' 58"	Concrete	227	Chain	1.5	14	2
C-1	6586.000	W28	S W MARTINEAU ISLAND W28	ON	6217	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 32' 47"	94° 58' 6"	Concrete	227	Chain	1.5	14	2
C-1	6587.000	W25	SE DEVLIN LANDING W25	ON	6217	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 33' 54"	94° 53' 47"	Concrete	227	Chain	1.5	14	2
C-1	6588.000	KK19	N. E. GORDON'S KK19	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 45' 40"	94° 32' 45"	Concrete	227	Chain	1.5	14	2
C-1	6589.000	W31	S GALT ISLAND W31	ON	6217	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	27.00	49° 32' 50"	94° 59' 25"	Concrete	227	Chain	3	14	2
C-1	6590.000	KK20	GORDON'S REEF KK20	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 45' 38"	94° 32' 44"	Concrete	227	Chain	1.5	14	2
C-1	6591.000	W32	SOUTHEAST CEDAR ISL W32	ON	6217	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 33' 2"	95° 1' 8"	Concrete	227	Chain	1.5	14	2
C-1	6592.000	KK22	KEEWATIN BRIDGE KK22	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 45' 35"	94° 32' 43"	Concrete	227	Chain	1.3	14	2
C-1	6593.000	KC1	S W MARTINEAU ISLAND KC1	ON	6217	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 32' 14"	94° 59' 8"	Concrete	227	Chain	1.5	14	2
C-1	6594.000	W29	S.W. GAULT IS. W29	ON	6217	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 32' 45"	95° 0' 27"	Concrete	227	Chain	1.5	14	2
C-1	6594.500	W30	South Galt Is	ON	6217	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.00	49° 32' 49"	94° 59' 29"	Concrete	227	Chain	1.3	14	1
C-1	6595.000	KC3	MCMILLAN ISLAND KC3	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 44' 57"	94° 32' 16"	Concrete	227	Chain	1.5	14	2
C-1	6595.600	KC4	KC4	ON	6218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)		49° 44' 56"	94° 32' 20"						2
C-1	6596.000	W35	MIKADO MINE EAST W35	ON	6217	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	55.00	49° 34' 36"	95° 1' 57"	Concrete	227	Chain	4.5	14	2
C-1	6701.500	KT3	The Tangle KT3	ON	6218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal		49° 42' 3"	94° 30' 46"	Concrete	227	Chain	1.5	14	2
C-1	7834.000	Q2	LANDING ROUGHROCK LAKE Q2	ON	6286	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	50° 5' 14"	94° 48' 39"	Concrete	137	Chain	1.3	14	2
C-1	7835.000	Q3	N. ROUGH ROCK LAKE Q3	ON	6286	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	50° 6' 43.4"	94° 47' 3.8"	Concrete	137	Chain	1.3	14	2
C-1	7836.000	Q4	S. END ROUGHROCK LAKE Q4	ON	6286	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	50° 6' 1.9"	94° 45' 46.2"	Concrete	137	Chain	1.3	14	2
C-1	7837.000	Q6	N. ROUGH ROCK LAKE Q6	ON	6286	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	50° 6' 45.7"	94° 45' 42.9"	Concrete	137	Chain	1.3	14	2
C-1	7838.000	Q8	N. ROUGH ROCK NARROWS Q8	ON	6286	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	50° 6' 1.4"	94° 45' 35.6"	Concrete	137	Chain	1.3	14	2
C-1	7839.000	Q11	N.ROUGH ROCK NARROWS Q11	ON	6286	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	50° 5' 22.8"	94° 45' 17.1"	Concrete	137	Chain	1.3	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-1	7840.000	Q14	N.E. BOWER'S ISLAND Q14	ON	6286	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	50° 2' 38"	94° 42' 13"	Concrete	137	Chain	1.3	14	2
C-1	7841.000	Q16	S.E. BOWER'S ISLAND Q16	ON	6286	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	50° 2' 20"	94° 42' 2"	Concrete	137	Chain	1.3	14	2
C-1	7842.000	Q18	N. CHAPMAN'S ISLAND Q18	ON	6286	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	14.00	50° 2' 4"	94° 42' 22"	Concrete	137	Chain	1.1	14	2
C-1	7843.000	Q21	N.W. CUMMINGS ISLAND Q21	ON	6286	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	50° 1' 18.5"	94° 42' 22.2"	Concrete	137	Chain	1.3	14	2
C-1	7844.000	Q24	E. INDIAN ISLAND Q24	ON	6286	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	7.32	50° 0' 43"	94° 41' 26"	Concrete	137	Chain	3	14	2
C-1	7847.000	Q36	W. KELLY'S ISLAND Q36	ON	6287	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 59' 6"	94° 39' 12"	Concrete	227	Chain	1.3	14	2
C-1	7848.000	Q46	NW CACHE POINT Q46	ON	6287	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 56' 0"	94° 34' 20"	Concrete	227	Chain	1.3	14	2
C-1	7849.000	Q50	W. SILVER POINT Q50	ON	6287	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 54' 54.5"	94° 32' 58"	Concrete	137	Chain	1.3	14	2
C-1	7850.000	Q56	SOUTH DALLES Q56	ON	6287	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 52' 24"	94° 33' 22"	Concrete	227	Chain	1.3	14	2
C-1	7851.000	Q58	N.E. LITTLE DALLES Q58	ON	6287	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 52' 20"	94° 33' 32"	Concrete	227	Chain	1.3	14	2
C-1	7852.000	Q59	E. LITTLE DALLES Q59	ON	6287	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	27.00	49° 52' 15"	94° 33' 27"	Concrete	227	Chain	3	14	2
C-1	7852.500	Q62	Q62	ON	6287	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	27.00	49° 52' 14"	94° 34' 14"	Concrete	227	Chain	3	14	2
C-1	7853.000	Q64	S. WET ISLAND Q64	ON	6287	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 51' 58"	94° 34' 30"	Concrete	227	Chain	1.3	14	2
C-1	7854.000	Q69	LAURENSONS ISL Q69	ON	6287	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 50' 20"	94° 34' 51"			Chain	1.3	14	2
C-1	7855.000	Q70	S.W. LAURENSON'S IS. Q70	ON	6287	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	27.00	49° 50' 7"	94° 34' 50"	Concrete	227	Chain	3	14	2
C-1	7856.000	Q73	W FIDDLERS ISLAND Q73	ON	6287	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 49' 29"	94° 33' 45.5"	Concrete	227	Chain	1.3	14	2
C-1	7857.000	Q76	SE FIDDLERS ISLAND Q76	ON	6287	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 48' 59"	94° 32' 43"	Concrete	227	Chain	1.3	14	2
C-1	7858.000	Q78	NORTH MURPHYS ISLAND Q78	ON	6287	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 48' 57"	94° 32' 13.5"	Concrete	227	Chain	1.3	14	2
C-1	7859.000	Q80	N. MURPHYS ISLAND Q80	ON	6287	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 48' 52"	94° 31' 53"	Concrete	227	Chain	1.3	14	2
C-1	7861.000	Q83	N. MURPHYS ISLAND Q83	ON	6287	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 48' 42"	94° 31' 32.5"	Concrete	227	Chain	1.3	14	2
C-1	7862.000	Q89	NE MURPHY ISLAND Q89	ON	6287	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 48' 36"	94° 31' 29"	Concrete	227	Chain	1.3	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-1	7862.250	Q96	Q96	ON	6287	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal (in place year round)	12.00	49° 47' 3"	94° 30' 54"	Concrete	341	Chain	9.8	14	2
C-1	7862.500	Q98	Q98	ON	6287	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.00	49° 46' 50"	94° 30' 43"	Concrete	137	Chain	1.5	14	2
C-1	7863.000	Q99	N.W. KEEWATIN LIFT Q99	ON	6287	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 45' 54"	94° 33' 38"	Concrete	137	Chain	1.3	14	2
C-1	7864.000	QA6	CLARK'S ISLAND QA6	ON	6286	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	50° 6' 5"	94° 48' 39"	Concrete	137	Chain	1.3	14	2
C-1	7865.000	QA8	E. WOHLWEND'S POINT QA8	ON	6286	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	50° 5' 45.6"	94° 48' 11.2"	Concrete	137	Chain	1.3	14	2
C-1	7868.100	QD1	QD1	ON	6286	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	12.00	50° 2' 20"	94° 41' 10"	Concrete	137	Chain	1.5	14	2
C-1	7869.000	QD2	N. OCTO ISLAND QD2	ON	6286	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	50° 2' 12.2"	94° 41' 6"	Concrete	137	Chain	1.3	14	2
C-1	7869.300	QD3	QD3	ON	6286	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	27.00	50° 2' 08.40"	94° 40' 56.8"	Concrete	227	Chain	3	14	2
C-1	7869.900	QC1	QC1	ON	6286	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	35.00	50° 6' 23.5"	94° 44' 18.2"	Concrete	227	Chain	3.7	14	1
C-1	7870.000	QC3	NE ROUGHROCK NARROWS QC3	ON	6286	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	12.00	50° 6' 16.5"	94° 44' 47.8"	Concrete	137	Chain	1.3	14	2
C-1	7872.000	QE1	WATERGUAGE REEF QE1	ON	6286	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	50° 7' 10.5"	94° 47' 18.5"	Concrete	137	Chain	1.3	14	2
C-1	7873.000	QE3	CENTRE CHANNEL QE3	ON	6286	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	50° 6' 55.3"	94° 47' 9.3"	Concrete	137	Chain	1.3	14	2
C-1	7876.000	QH	ENTRANCE TUNNEL QH	ON	6287	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-red-black	Seasonal	12.00	49° 58' 13.7"	94° 36' 44.9"	Concrete	227	Chain	1.3	14	2
C-1	7877.000	QH4	PISTOL LAKE NARROWS QH4	ON	6286	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	50° 0' 32"	94° 42' 42"	Concrete	137	Chain	1.3	14	2
C-1	7878.000	QH6	PISTOL LAKE NARROWS QH6	ON	6286	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	50° 0' 26"	94° 42' 49"	Concrete	137	Chain	1.3	14	2
C-1	7879.000	QH7	S. PISTOL LAKE NARRS. QH7	ON	6286	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	50° 0' 9"	94° 42' 36"	Concrete	137	Chain	1.3	14	2
C-1	7882.000	QK4	E. LAURENSEN'S ISLAND QK4	ON	6287	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 50' 35"	94° 33' 10"	Concrete	227	Chain	1.3	14	2
C-1	7883.000	QK8	N. FIDDLER'S ISLAND QK8	ON	6287	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 49' 40"	94° 33' 12"			Chain	1.3	14	2
C-1	7884.000	QK10	N. FIDDLER'S ISLAND QK10	ON	6287	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 49' 32"	94° 33' 17"	Concrete	227	Chain	1.3	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-1	7884.900	QN2	E. Sweeney Channel QN2	ON	6287	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.00	49° 48' 2.7"	94° 31' 15.9"	Concrete	227	Chain	1.3	14	2
C-1	7885.000	QN4	E. SWEENEY CHANNEL QN4	ON	6287	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.00	49° 48' 2.5"	94° 31' 19.6"	Concrete	137	Chain	1.3	14	2
C-1	7886.000	QP5	MILLERS LANDING QP5	ON	6287	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 47' 20.5"	94° 30' 25"	Concrete	227	Chain	1.3	14	2
C-1	7887.000	QQ3	PERCH BAY QQ3	ON	6287	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	22.00	49° 46' 16"	94° 32' 26"	Concrete	227	Chain	2.3	14	2
C-1	7888.000	QS4	S. POINT SILVER POINT QS4	ON	6287	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 54' 42"	94° 32' 35"			Chain	1.3	14	2
C-1	7889.000	QT8	NW PALMERSTON CHANNEL QT8	ON	6287	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 47' 38"	94° 33' 46"	Concrete	137	Chain	1.3	14	2
C-1	7890.000	QU6	JORGENSONS BAY QU6	ON	6287	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 48' 20.5"	94° 30' 28"	Concrete	227	Chain	1.3	14	2
C-1	7893.000	QX2	WEST KEEWATIN LIFT QX2	ON	6287	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 45' 53"	94° 33' 57"	Concrete	137	Chain	1.3	14	2
C-1	7895.000	W15	E. COBALTS NARROWS W15	ON	6287	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 56' 10"	94° 40' 48"	Concrete	227	Chain	1.3	14	2
C-1	7896.000	W21	E. PUNTER'S ISLAND W21	ON	6287	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 54' 56.6"	94° 39' 10.8"	Concrete	137	Chain	1.3	14	2
C-1	7897.000	W25	NORTH THROAT RAPIDS W25	ON	6287	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 54' 34.3"	94° 38' 17.5"	Concrete	227	Chain	1.3	14	2
C-1	7898.000	W26	S. THROAT RAPIDS W26	ON	6287	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 53' 37"	94° 37' 49"	Concrete	137	Chain	1.3	14	2
C-1	7899.000	W37	S.E. MYRTLE RAPIDS NRW. W37	ON	6287	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 52' 46"	94° 35' 28"	Concrete	227	Chain	1.3	14	2
C-1	7900.000	W38	S.E. MYRTLE RAPIDS NRW. W38	ON	6287	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 52' 47"	94° 35' 17"	Concrete	227	Chain	1.3	14	2
C-1	7900.500	W39	W39	ON	6287	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	12.00	49° 52' 34"	94° 35' 6"	Concrete	227	Chain	1.3	14	2
C-1	7901.000	W41	N.W. KRIS ISLAND W41	ON	6287	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	27.00	49° 52' 27"	94° 35' 1"	Concrete	227	Chain	3	14	2
C-1	7902.000	WC5	N BIG ISLAND GUN LK WC5	ON	6287	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	49° 57' 51"	94° 39' 32.5"	Concrete	227	Chain	1.3	14	2
C-1	7903.000	WC6	SE PT BIG ISLAND WC6	ON	6287	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	49° 57' 0"	94° 39' 42.5"	Concrete	227	Chain	1.3	14	2
C-1	7904.000	X2	N. LITTLE SAND LAKE X2	ON	6286	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	50° 4' 26"	94° 43' 35"	Concrete	137	Chain	1.3	14	2
C-1	7905.000	X8	S.W. THE TWIN ISLAND X8	ON	6286	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	50° 5' 18"	94° 39' 15"	Concrete	137	Chain	1.3	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-1	7906.000	XA2	E. PICKEREL ISLAND XA2	ON	6286	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	50° 6' 12"	94° 36' 10"	Concrete	137	Chain	1.3	14	2
C-1	7906.500	XA4	XA4	ON	6286	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.00	50° 5' 21"	94° 37' 18"	Concrete	137	Chain	1.5	14	2
C-1	7907.000	XA6	N.E. MOORES POINT XA6	ON	6286	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	50° 4' 36"	94° 38' 27"	Concrete	137	Chain	1.3	14	2
C-1	7908.000	X10	E. THE SUGARLOAF X10	ON	6286	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	50° 2' 18.2"	94° 40' 23.4"	Concrete	137	Chain	1.3	14	2
C-1	7909.000	X13	N.W. VERMILION ISLAND X13	ON	6286	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	50° 2' 35"	94° 39' 18"	Concrete	137	Chain	1.3	14	2
C-1	7910.000	X16	S. OCTO ISLAND X16	ON	6286	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	50° 6' 11.6"	94° 36' 11.6"	Concrete	137	Chain	1.3	14	2
C-1	7912.000	X9	S.E. DEAD BOYS IS. X9	ON	6286	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	50° 4' 51"	94° 39' 8"	Concrete	137	Chain	1.3	14	2

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Rainy Lake
Contract Area no.:	C-2
Province(s):	Ontario
Contract Area Description:	The Contract Area includes all Canadian waters of Rainy Lake, Ontario.
Coast Guard Depot:	Kenora, Ontario
Commissioning date:	by May 15th (weather permitting)
Decommissioning date:	N/A, see overview below
Total no. of buoys:	157
Max. buoy size(m) diameter :	0.3 m
Maximum anchor size (weight (kg)):	227
Maximum buoy weight (kg) :	65
Maximum water depth (m) :	20
Operational Season:	May 15 to October 31
Overview of work activities:	All buoys are 'seasonal, in-place year round'; most are unlit, 3 buoys have lanterns, which are placed onto the buoy at Commissioning & removed at Decommissioning. At Commissioning, work includes position verification, addition of lanterns and, as required, tape & numbers. The work includes planned cyclical mooring inspections and replacement over a 5 year cycle, i.e. 20% of the buoy moorings are inspected and replaced each year. Decommissioning work includes removal of lanterns Unscheduled work includes response to discrepancies during the operational season.
Comment:	<i>Season start and end dates may vary as a result of ice conditions.</i>

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-2	1448.000	A28	Woodchuck Island light buoy A28	ON	6107	Night	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	50.00	48° 49' 1.16"	93° 19' 4.8"	Concrete	227	Chain	5.6	14	2
C-2	1449.500	AT7	Steamboat Shoal light buoy AT7	ON	6107	Night	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	18.00	48° 54' 11.78"	93° 20' 18.79"	Concrete	227	Chain	2	14	2
C-2	1463.000	AD10	Frog Creek light bouy AD10	ON	6108	Night	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	18.00	48° 39' 33.84"	93° 23' 17.16"	Concrete	227	Chain	2.2	14	2
C-2	6653.000	A3	S. SAWMILL SAND BAY A3	ON	6108	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	12.00	48° 38' 2.82"	93° 19' 44.58"	Concrete	227	Chain	1.3	14	2
C-2	6654.000	A5	South Seibert A5	ON	6108	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	12.00	48° 38' 27.12"	93° 18' 56.52"	Concrete	227	Chain	1.3	14	2
C-2	6655.000	A10	North Of Causeway A10	ON	6108	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.00	48° 39' 52.62"	93° 18' 50.94"	Concrete	227	Chain	1.3	14	2
C-2	6656.000	A13	Jakes Fishery A13	ON	6108	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	27.00	48° 40' 47.04"	93° 18' 56.04"	Concrete	227	Chain	3	14	2
C-2	6657.000	A14	West Pt Risky Island A14	ON	6108	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.00	48° 41' 19.44"	93° 18' 37.38"	Concrete	227	Chain	1.3	14	2
C-2	6658.000	A15	South Point Homestretch Island A15	ON	6108	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	21.00	48° 41' 35.7"	93° 18' 59.4"	Concrete	227	Chain	2.5	14	2
C-2	6659.000	A17	West Raspberry Island A17	ON	6108	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	27.00	48° 43' 32.94"	93° 18' 47.16"	Concrete	227	Chain	3	14	2
C-2	6660.000	A20	Crowe Island A20	ON	6108	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.00	48° 44' 10.2"	93° 18' 8.52"	Concrete	227	Chain	1.3	14	2
C-2	6661.000	A21	Southeast Spinks Point A21	ON	6108	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	27.00	48° 44' 19.62"	93° 18' 35.82"	Concrete	227	Chain	3	14	2
C-2	6662.000	A23	Southwest Tug Point A23	ON	6107	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	12.00	48° 45' 42.68"	93° 19' 18.51"	Concrete	227	Chain	1.3	14	2
C-2	6663.000	A25	Northwest Tug Point A25	ON	6107	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	12.00	48° 46' .4"	93° 19' 6.2"	Concrete	137	Chain	1.3	14	2
C-2	6664.000	A29	East Woodchuck Island A29	ON	6107	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	24.00	48° 49' 5.47"	93° 19' 12.04"	Concrete	227	Chain	3	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-2	6665.000	A30	GENERAL MILLS RKY A30	ON	6107	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.00	48° 49' 48.84"	93° 18' 59.08"	Concrete	227	Chain	1.3	14	2
C-2	6666.000	A33	North Ami Point A33	ON	6107	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	12.00	48° 50' 30.85"	93° 18' 52"	Concrete	227	Chain	1.3	14	2
C-2	6667.000	A37	West Palmer Island A37	ON	6107	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	12.00	48° 52' 16.49"	93° 18' 37.75"	Concrete	227	Chain	1.3	14	2
C-2	6668.000	A39	Southwest Goat Island A39	ON	6107	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	24.00	48° 53' 5.28"	93° 18' 46.6"	Concrete	227	Chain	3	14	2
C-2	6669.000	A40	West Goat Island A40	ON	6107	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	24.00	48° 53' 9.46"	93° 18' 47.04"	Concrete	227	Chain	3	14	2
C-2	6670.000	A42	Northeast of Crest Island A42	ON	6107	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	24.00	48° 54' 13.56"	93° 18' 58.94"	Concrete	227	Chain	3	14	2
C-2	6671.000	A44	Little Canoe Cutoff A44	ON	6107	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	24.00	48° 54' 28.55"	93° 19' 3.68"	Concrete	227	Chain	3	14	2
C-2	6672.000	A47	East Waller Island A47	ON	6107	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	12.00	48° 55' 55.86"	93° 18' 33.87"	Concrete	227	Chain	1.3	14	2
C-2	6673.000	A53	Cascades A53	ON	6107	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	12.00	48° 58' 15.48"	93° 20' 3.25"	Concrete	227	Chain	1.3	14	2
C-2	6674.000	AA3	Canoe Channel Home Strait AA3	ON	6108	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	12.00	48° 41' 37.74"	93° 19' 28.02"	Concrete	227	Chain	1.3	14	2
C-2	6675.000	AA4	Canoe Channel Home Strait AA4	ON	6108	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 41' 44.28"	93° 19' 28.02"	Concrete	137	Chain	1.3	14	2
C-2	6676.000	AA9	East Side Harbour Island AA9	ON	6108	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	12.00	48° 44' 4.44"	93° 19' 38.7"	Concrete	227	Chain	1.3	14	2
C-2	6677.000	AA12	Southwest Hook Island AA12	ON	6108	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.00	48° 44' 23.82"	93° 19' 36.66"	Concrete	227	Chain	1.3	14	2
C-2	6678.000	AA16	North Hook Island AA16	ON	6107	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.00	48° 45' 17.57"	93° 19' 54.42"	Concrete	227	Chain	1.3	14	2
C-2	6679.000	AA18	East Alfred Island AA18	ON	6107	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.00	48° 46' 18.08"	93° 20' 3.4"	Concrete	227	Chain	1.3	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-2	6680.000	AA21	East Bob Chalders AA21	ON	6107	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 47' 46.97"	93° 20' 54.06"	Concrete	137	Chain	1.3	14	2
C-2	6681.000	AA25	Hangingstone AA25	ON	6106	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	12.00	48° 49' 15.28"	93° 23' 4.53"	Concrete	227	Chain	1.3	14	2
C-2	6682.000	AA26	Hangingstone Inside AA26	ON	6106	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	22.00	48° 49' .34"	93° 7.3' 14.07"	Concrete	227	Chain	2.2	14	2
C-2	6683.000	AA27	Northwest Bay Rocky Turn AA27	ON	6106	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	25.00	48° 48' 41.92"	93° 24' 51.75"	Concrete	227	Chain	3	14	2
C-2	6684.000	AA29	Northwest Bay Rocky Turn AA29	ON	6106	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 48' 39.7"	93° 24' 56.43"	Concrete	137	Chain	1.3	14	2
C-2	6685.000	AA30	Northwest Bay Rocky Turn AA30	ON	6106	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.00	48° 48' 52.6"	93° 25' 48.99"	Concrete	227	Chain	1.3	14	2
C-2	6686.000	AA31	Northwest Bay Browns Inlet AA31	ON	6106	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	12.00	48° 49' .82"	93° 26' 28.23"	Concrete	227	Chain	1.3	14	2
C-2	6687.000	AA33	Northwest Bay Camp Narrows AA33	ON	6106	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	12.00	48° 50' 23.26"	93° 29' 53.73"	Concrete	227	Chain	1.3	14	2
C-2	6688.000	AA35	Northwest Bay Fisher Camp Narrows AA35	ON	6106	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	12.00	48° 50' 36.4"	93° 30' 26.49"	Concrete	227	Chain	1.3	14	2
C-2	6689.000	AA38	West End Northwest Bay AA38	ON	6106	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.00	48° 50' 21.58"	93° 35' 50.91"	Concrete	227	Chain	1.3	14	2
C-2	6690.000	AA40	Birch Point Northwest Bay AA40	ON	6106	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.00	48° 50' 16.96"	93° 36' 48.63"	Concrete	227	Chain	1.3	14	2
C-2	6691.000	AC3	North of Causeway AC3	ON	6108	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	50.00	48° 39' 47.58"	93° 18' 30.42"	Concrete	227	Chain	5.9	14	2
C-2	6692.000	AD1	Five Mile Dock AD1	ON	6108	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	12.00	48° 39' 5.22"	93° 19' 5.1"	Concrete	227	Chain	1.3	14	2
C-2	6693.000	AD3	Haymarsh Bay AD3	ON	6108	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	12.00	48° 39' 40.14"	93° 19' 37.5"	Concrete	227	Chain	1.3	14	2
C-2	6694.000	AD5	Entrance Frog Lake AD5	ON	6108	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	12.00	48° 40' 25.32"	93° 21' 18.66"	Concrete	227	Chain	1.3	14	2

Appendix C.2, Central and Arctic Region

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-2	6695.000	AD6	Entrance Frog Lake AD6	ON	6108	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.00	48° 40' 34.14"	93° 21' 24.18"	Concrete	227	Chain	1.3	14	2
C-2	6696.000	AD8	Entrance Frog Lake #2 AD8	ON	6108	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.00	48° 40' 35.04"	93° 21' 55.02"	Concrete	227	Chain	1.3	14	2
C-2	6697.000	AE4	Gash Rock AE4	ON	6108	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.00	48° 40' 6.66"	93° 17' 38.88"	Concrete	227	Chain	1.3	14	2
C-2	6699.000	AJ3	N. Reef Point AJ3	ON	6108	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	12.00	48° 42' 18.24"	93° 16' .24"	Concrete	227	Chain	1.3	14	2
C-2	6700.000	AJ4	North Reef Point AJ4	ON	6108	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.00	48° 42' 12.84"	93° 15' 57.9"	Concrete	227	Chain	1.3	14	2
C-2	6701.000	AK3	South Lobstick Island AK3	ON	6108	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 39' 43.2"	93° 17' 13.2"	Concrete	137	Chain	1.3	14	2
C-2	6702.000	AK7	Seven Mile Bridge AK7	ON	6108	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	48° 39' 58.74"	93° 16' 40.8"	Concrete	227	Chain	0.7	14	2
C-2	6703.000	AM1	MacDonald Inlet AM1	ON	6107	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	24.00	48° 46' 42.04"	93° 12' 50.12"	Concrete	227	Chain	3	14	2
C-2	6704.000	AN2	Northeast of Birch Island AN2	ON	6107	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.00	48° 47' 47.1665"	93° 18' 18.615"	Concrete	227	Chain	1.3	14	2
C-2	6705.000	AN3	North Camp Ontario AN3	ON	6107	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	24.00	48° 47' 18.66"	93° 16' 57.44"	Concrete	227	Chain	3	14	2
C-2	6706.000	AN5	Camp Ontario AN5	ON	6107	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	12.00	48° 47' 24.32"	93° 15' 57"	Concrete	227	Chain	1.3	14	2
C-2	6708.000	AQ8	North Cherry Island AQ8	ON	6107	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	24.00	48° 51' 57.57"	93° 23' 19.13"	Concrete	227	Chain	3	14	2
C-2	6709.000	AQ10	Southwest of View Island AQ10	ON	6107	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.00	48° 51' 53.5"	93° 23' 38.86"	Concrete	227	Chain	1.3	14	2
C-2	6710.000	AT4	Haymarsh Island AT4	ON	6107	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	24.00	48° 51' 47.47"	93° 19' 52.32"	Concrete	227	Chain	3	14	2
C-2	6711.000	AT6	West of Crest Cape AT6	ON	6107	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.00	48° 53' 40.02"	93° 20' 1.4"	Concrete	227	Chain	1.3	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-2	6712.000	AT9	Ellis Island Reef AT9	ON	6107	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	24.00	48° 55' 12.02"	93° 19' 47.32"	Concrete	227	Chain	3	14	2
C-2	6713.000	AU3	North Boom Island AU3	ON	6107	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	12.00	48° 52' 21.49"	93° 21' 52.01"	Concrete	227	Chain	1.3	14	2
C-2	7712.000	AU4	North Boom Island AU4	ON	6107	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 52' 28.65"	93° 21' 43.26"	Concrete	137	Chain	1.3	14	2
C-2	7713.000	AU5	East Gubé Point AU5	ON	6107	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	12.00	48° 52' 59.46"	93° 21' 18.12"	Concrete	227	Chain	1.3	14	2
C-2	7714.000	AU9	North Gubé Point AU9	ON	6107	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	12.00	48° 53' 14.44"	93° 21' 52.64"	Concrete	227	Chain	0.9	14	2
C-2	7715.000	AV16	Northwest Woodchuck Island AV16	ON	6107	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.00	48° 50' 12.67"	93° 22' 27.45"	Concrete	227	Chain	1.3	14	2
C-2	7716.000	AV13	South Big Canoe AV13	ON	6107	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	24.00	48° 47' 25.59"	93° 14' 33.22"	Concrete	137	Chain	3	14	2
C-2	7717.000	AX2	Northwest Bay Cyr's Pt AX2	ON	6106	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.00	48° 51' 5.44"	93° 33' 24.51"	Concrete	227	Chain	1.3	14	2
C-2	7718.000	AX4	Whitehorse River, Northwest Bay AX4	ON	6106	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.00	48° 51' 13.54"	93° 34' 25.59"	Concrete	227	Chain	1.3	14	2
C-2	7719.000	D	Keating Island D	ON	6108	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green-red-green	Seasonal (in place year round)	12.00	48° 38' 10.32"	93° 18' 50.76"	Concrete	227	Chain	1.3	14	2
C-2	7720.000	D2	East Keating Island D2	ON	6108	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.00	48° 38' 21.9"	93° 18' 9.6"	Concrete	227	Chain	1.3	14	2
C-2	7721.000	D3	South Storeys Cabin D3	ON	6108	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	12.00	48° 38' 34.2"	93° 18' 6.54"	Concrete	227	Chain	1.3	14	2
C-2	7722.000	D4	East Keatings D4	ON	6108	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.00	48° 38' 34.92"	93° 17' 52.26"	Concrete	227	Chain	1.3	14	2
C-2	7723.000	D8	East last Island Missouri D8	ON	6108	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 39' 22.56"	93° 15' 51.42"	Concrete	137	Chain	1.3	14	2
C-2	7724.000	D9	South Pukamo Island D9	ON	6108	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 39' 32.1"	93° 15' 31.5"	Concrete	137	Chain	1.3	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-2	7725.000	D10	North Belle Island D10	ON	6108	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 39' 51.24"	93° 14' 17.04"	Concrete	137	Chain	1.3	14	2
C-2	7726.000	D12	North Busy Island D12	ON	6108	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 39' 54.6"	93° 12' 41.7"	Concrete	137	Chain	1.3	14	2
C-2	7727.000	D13	Black Point D13	ON	6108	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 40' 2.94"	93° 12' 12.72"	Concrete	137	Chain	1.3	14	2
C-2	7728.000	D17	North Mermaid Rock D17	ON	6108	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 39' 30.36"	93° 10' 1.02"	Concrete	137	Chain	1.3	14	2
C-2	7729.000	D19	N Mermaid Rock D19	ON	6108	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 39' 24.6"	93° 9' 57.36"	Concrete	137	Chain	1.3	14	2
C-2	7730.000	D21	East Sliver Island D21	ON	6108	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	12.00	48° 39' 18.3"	93° 9' 39.24"	Concrete	227	Chain	1.3	14	2
C-2	7731.000	D22	Centre Silver Island D22	ON	6108	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 39' 24.3"	93° 8' 49.26"	Concrete	137	Chain	1.3	14	2
C-2	7732.000	D25	Duck Bay Silver Island D25	ON	6108	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 39' 27.36"	93° 8' 34.32"	Concrete	137	Chain	1.3	14	2
C-2	7733.000	D27	North Tip Sandpoint Island D27	ON	6108	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 39' 28.98"	93° 8' 10.74"	Concrete	137	Chain	1.3	14	2
C-2	7734.000	D28	West End Swell Bay D28	ON	6109	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 39' 10.56"	93° 6' 46.08"	Concrete	137	Chain	1.3	14	2
C-2	7735.000	D31	East End Swell Bay D31	ON	6109	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 40' 23.28"	93° 1' 16.32"	Concrete	137	Chain	1.3	14	2
C-2	7736.000	D33	North 1st Bridge Bears Passage D33	ON	6109	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 41' 54.36"	93° 0' 18.6"	Concrete	137	Chain	1.3	14	2
C-2	7737.000	D35	North 2nd Bridge Bear Pass D35	ON	6109	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 42' 29.28"	93° 1' 11.82"	Concrete	137	Chain	1.3	14	2
C-2	7738.000	D38	Entrance Red Gut Bay D38	ON	6110	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 42' 51.41"	93° 0' 47.7"	Concrete	137	Chain	1.3	14	2
C-2	7739.000	D41	South Red Gut Bay Light D41	ON	6110	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 43' 16.61"	93° 0' 18"	Concrete	137	Chain	1.3	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-2	7740.000	D45	Off Parry Straight Light D45	ON	6110	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 47' 27.29"	92° 52' 12.6"	Concrete	137	Chain	1.3	14	2
C-2	7741.000	DA2	North of Last Island DA2	ON	6108	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 39' 17.88"	93° 17' 5.58"	Concrete	137	Chain	1.3	14	2
C-2	7742.000	DC1	North of Last Island DC1	ON	6108	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	20.00	48° 39' 31.98"	93° 16' 9.48"	Concrete	227	Chain	2.2	14	2
C-2	7743.000	DD1	Black Point DD1	ON	6108	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 40' 3.06"	93° 11' 55.98"	Concrete	137	Chain	1.3	14	2
C-2	7744.000	DD3	Black Point DD3	ON	6108	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 40' 10.92"	93° 11' 52.8"	Concrete	137	Chain	1.3	14	2
C-2	7745.000	DD6	Grassy Portage Bay DD6	ON	6108	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.00	48° 40' 58.44"	93° 11' 16.74"	Concrete	227	Chain	1.3	14	2
C-2	7746.000	DE	Barb Rock DE	ON	6108	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red-green-red	Seasonal (in place year round)	10.00	48° 39' 25.44"	93° 11' 37.32"	Concrete	137	Chain	1.3	14	2
C-2	7747.000	DH2	Northeast Goose Portage DH2	ON	6109	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 38' 59.4"	93° 7' 28.2"	Concrete	137	Chain	1.3	14	2
C-2	7748.000	DN1	South Raspberry Island DN1	ON	6110	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 46' 59.63"	92° 53' 9.36"	Concrete	137	Chain	1.3	14	2
C-2	7749.000	E1	West Ranier E1	ON	6108	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	12.00	48° 36' 44.22"	93° 21' 21.24"	Concrete	227	Chain	1.3	14	2
C-2	7750.000	E19	Brule Narrows E19	ON	6109	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 36' 7.02"	92° 55' 13.74"	Concrete	137	Chain	1.3	14	2
C-2	7751.000	E21	Brule Narrows E21	ON	6109	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 36' 4.5"	92° 55' 6.9"	Concrete	137	Chain	1.3	14	2
C-2	7752.000	E30	East of Brûlé Point Light E30	ON	6109	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 35' 44.22"	92° 53' 31.38"	Concrete	137	Chain	1.3	14	2
C-2	7753.000	E32	North of Pater Noster Islands E32	ON	6109	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 35' 44.16"	92° 52' 18.24"	Concrete	137	Chain	1.3	14	2
C-2	7753.500	E33	SE Paster Naster E33	ON	6109	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 35' 30"	92° 51' 34"	Concrete	137	Chain	1.3	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-2	7754.000	E35	East of Gull Rocks E35	ON	6112	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 33' 32.46"	92° 45' 21.06"	Concrete	137	Chain	1.3	14	2
C-2	7755.000	E42	Entrance Kettle River #2 E42	ON	6112	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 31' 18.18"	92° 35' 39.42"	Concrete	137	Chain	1.3	14	2
C-2	7756.000	E44	Entrance Kettle River #1 E44	ON	6112	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 31' 14.22"	92° 35' 41.88"	Concrete	137	Chain	1.3	14	2
C-2	7757.000	E45	Canadian Channel E45	ON	6112	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 31' 10.68"	92° 35' 46.98"	Concrete	137	Chain	1.3	14	2
C-2	7758.000	E47	Canadian Channel E47	ON	6112	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 31' 1.68"	92° 35' 55.44"	Concrete	137	Chain	1.3	14	2
C-2	7759.000	E50	Kettle River E50	ON	6112	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 29' 50.64"	92° 37' 17.4"	Concrete	137	Chain	1.3	14	2
C-2	7760.000	E52	Kettle River E52	ON	6112	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 29' 51.66"	92° 37' 28.38"	Concrete	137	Chain	1.3	14	2
C-2	7761.000	E53	East of Kettle Falls E53	ON	6112	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 29' 51.96"	92° 37' 52.38"	Concrete	137	Chain	1.3	14	2
C-2	7762.000	E56	N. Kettle Island E56	ON	6112	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 29' 53.82"	92° 38' 5.4"	Concrete	137	Chain	1.3	14	2
C-2	7763.000	EE1	West Point French Island EE1	ON	6108	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 37' 57.72"	93° 10' 38.64"	Concrete	137	Chain	1.3	14	2
C-2	7764.000	EE3	East Point French Island EE3	ON	6108	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 37' 58.92"	93° 10' 27.9"	Concrete	137	Chain	1.3	14	2
C-2	7765.000	EE7	West Side Goose Narrows EE7	ON	6108	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 37' 36.78"	93° 8' 50.82"	Concrete	137	Chain	1.3	14	2
C-2	7766.000	EE9	East Side Goose Narrows EE9	ON	6108	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 37' 39.6"	93° 8' 21.66"	Concrete	137	Chain	1.3	14	2
C-2	7767.000	EH1	Boulders East EH1	ON	6108	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 37' 58.62"	93° 9' 58.86"	Concrete	137	Chain	1.3	14	2
C-2	7768.000	EJ1	West of Mackenzie Island EJ1	ON	6109	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 36' 43.2"	92° 56' 39.18"	Concrete	137	Chain	1.3	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-2	7769.000	EJ2	West of Mackenzie Island EJ2	ON	6109	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 36' 41.82"	92° 56' 52.02"	Concrete	137	Chain	1.3	14	2
C-2	7770.000	EJ4	West Mackenzie Island EJ4	ON	6109	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 36' 36.84"	92° 56' 44.58"	Concrete	137	Chain	1.3	14	2
C-2	7771.000	EM11	American Channel EM11	ON	6112	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 30' 26.64"	92° 37' 53.4"	Concrete	137	Chain	1.3	14	2
C-2	7772.000	EM13	American Channel EM13	ON	6112	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 30' 25.68"	92° 37' 49.44"	Concrete	137	Chain	1.3	14	2
C-2	7773.000	EM16	American Channel EM16	ON	6112	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 30' 24.66"	92° 37' 47.34"	Concrete	137	Chain	1.3	14	2
C-2	7774.000	EM18	American Channel EM18	ON	6112	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 30' 23.7"	92° 37' 43.44"	Concrete	137	Chain	1.3	14	2
C-2	7775.000	EM20	American Channel EM20	ON	6112	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 30' 19.74"	92° 37' 43.44"	Concrete	137	Chain	1.3	14	2
C-2	7776.000	EM21	American Channel EM21	ON	6112	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 30' 16.68"	92° 37' 43.32"	Concrete	137	Chain	1.3	14	2
C-2	7777.000	EM24	American Channel EM24	ON	6112	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 30' 12.72"	92° 37' 38.46"	Concrete	137	Chain	1.3	14	2
C-2	7778.000	EM25	American Channel EM25	ON	6112	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 30' 10.68"	92° 37' 36.42"	Concrete	137	Chain	1.3	14	2
C-2	7778.500	EM26	American Channel EM26	ON	6112	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 30' 6.5"	92° 37' 46"	Concrete	137	Chain	1.3	14	2
C-2	7779.000	EM27	American Channel EM27	ON	6112	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 30' 3.54"	92° 37' 46"	Concrete	137	Chain	1.3	14	2
C-2	7780.000	EN1	Northwest Oak Island EN1	ON	6112	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 32' 7.14"	92° 36' 57.54"	Concrete	137	Chain	1.3	14	2
C-2	7781.000	E2	South Pithers Point E2	ON	6108	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.00	48° 36' 42.78"	93° 21' 23.28"	Concrete	227	Chain	1.3	14	2
C-2	7782.000	EP1	International Dam EP1	ON	6112	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 29' 56.64"	92° 37' 7.44"	Concrete	137	Chain	1.3	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-2	7783.000	EP2	Griffin Resort EP2	ON	6112	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 29' 56"	92° 37' 12.5"	Concrete	137	Chain	1.3	14	2
C-2	7784.000	EP3	Southeast Berry Island EP3	ON	6109	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 39' .54"	93° 2' 18.96"	Concrete	137	Chain	1.3	14	2
C-2	7785.000	EP4	Southeast Berry Island EP4	ON	6109	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 39' 1.32"	93° 2' 13.68"	Concrete	137	Chain	1.3	14	2
C-2	7786.000	EP8	East of Berry Island EP8	ON	6109	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 39' 15.54"	93° 2' .24"	Concrete	137	Chain	1.3	14	2
C-2	7787.000	EP10	West of Morton Island EP10	ON	6109	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 39' 55.68"	93° 1' 13.74"	Concrete	137	Chain	1.3	14	2
C-2	7788.000	EQ2	Northeast of Black Island EQ2	ON	6109	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 38' 50.4"	93° 1' 37.26"	Concrete	137	Chain	1.3	14	2
C-2	7789.000	ES4	West Scott Island ES4	ON	6109	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 38' 1.38"	92° 56' 49.8"	Concrete	137	Chain	1.3	14	2
C-2	7790.000	H4	West Scott Island H4	ON	6109	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 38' 26.4"	92° 57' 27.9"	Concrete	137	Chain	1.3	14	2
C-2	7791.000	H8	West Seine Bay H8	ON	6109	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 39' 27.96"	92° 53' 22.62"	Concrete	137	Chain	1.3	14	2
C-2	7792.000	H9	Entrance to the Seine River Kettle Point H9	ON	6111	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 39' 52.56"	92° 49' 17.1"	Concrete	137	Chain	1.3	14	2
C-2	7793.000	H13	West Side Little Grassy H13	ON	6111	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 39' 27.66"	92° 48' 49.32"	Concrete	137	Chain	1.3	14	2
C-2	7794.000	H15	Cliff Lake Seine River H15	ON	6111	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 39' 33.66"	92° 48' 38.16"	Concrete	137	Chain	1.3	14	2
C-2	7795.000	H16	Cliff Lake Seine River H16	ON	6111	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 39' 31.38"	92° 48' 35.4"	Concrete	137	Chain	1.3	14	2
C-2	7796.000	H17	Cliff Lake Seine River H17	ON	6111	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 39' 34.8"	92° 48' 18.96"	Concrete	137	Chain	1.3	14	2
C-2	7797.000	H18	Cliff Lake Seine River H18	ON	6111	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 39' 35.7"	92° 48' 5.16"	Concrete	137	Chain	1.3	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-2	7798.000	H20	Devils Elbow Seine River H20	ON	6111	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 39' 21.24"	92° 47' 39.72"	Concrete	137	Chain	1.3	14	2
C-2	7799.000	H21	Devils Elbow Seine River H21	ON	6111	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 39' 19.68"	92° 47' 36"	Concrete	137	Chain	1.3	14	2
C-2	7800.000	H28	Cedars Rock Seine River H28	ON	6111	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 41' 58.92"	92° 33' 42.3"	Concrete	137	Chain	1.3	14	2
C-2	7801.000	H29	Cedars Rock Seine River H29	ON	6111	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 41' 57.78"	92° 33' 38.28"	Concrete	137	Chain	1.3	14	2
C-2	7802.000	H30	Segers Rock Seine River H30	ON	6111	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 41' 56.82"	92° 33' 33.24"	Concrete	137	Chain	1.3	14	2
C-2	7803.000	H34	Wild Potato Lake H34	ON	6111	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	48° 42' 54.66"	92° 29' 42.66"	Concrete	137	Chain	1.3	14	2
C-2	7804.000	H37	Seine River Village H37	ON	6111	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	48° 42' 54.72"	92° 25' 38.1"	Concrete	137	Chain	1.3	14	2

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Lake Superior, Thunder Bay
Contract Area no.:	C-3
Province(s):	Ontario
Contract Area Description:	The Contract Area includes Thunder Bay Harbour
Coast Guard Depot:	Thunder Bay, Ontario
Commissioning date:	May 1st (depending on ice free conditions)
Decommissioning date:	December 1st (depending on ice free conditions)
Total no. of buoys:	69
Max. buoy size(m) diameter :	0.6
Maximum anchor size (weight (kg)):	4545
Maximum buoy weight (kg) :	637
Maximum water depth (m) :	9
Operational Season:	May 1st to December 1st
Overview of work activities:	<p>All but one buoy is 'seasonal, in-place year round', 7 buoys have (removable) lanterns; 1 buoy is lifted completely in the fall and placed completely in the spring.</p> <p>At Commissioning, work includes position verification of buoys, placing of 1 buoy, addition of lanterns and, as required, tape & numbers.</p> <p>Decommissioning work includes removal of lanterns.</p> <p>The work includes planned cyclical mooring inspections and replacement over a 5 year cycle, i.e. 20% of the buoy moorings are inspected and replaced each year, for year round buoys only.</p> <p>Unscheduled work includes response to discrepancies during the operational season.</p>
Comment:	<i>Season start and end dates may vary as a result of ice conditions.</i>

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-3	1132.000	A2	Hare Island light buoy A2	ON	2311	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	15.00	48° 17' 54"	88° 59' 12"	Concrete	2270	Chain	27.4	20	2
C-3	1135.000	AA4	Mission Channel Approach light buoy AA4	ON	2314	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	9.00	48° 21' 14.52"	89° 10' 33.9"	Concrete	2270	Chain	18.3	20	2
C-3	1137.000	A8	Mission Channel light buoy A8	ON	2314	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.00	48° 21' 5.22"	89° 12' 1.2"	Concrete	2227	Chain	13.7	20	2
C-3	1141.000	P2	Old Dumping Ground Shoal light buoy P2	ON	2314	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	10.00	48° 23' 8.52"	89° 10' 41.7"	Serrated	1365	Chain	13.7	20	2
C-3	1143.300	D1	Kaministiquia River Entrance light buoy D1	ON	2314	Night	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.00	48° 23' 45.54"	89° 11' 57.24"	Serrated	1365	Chain	13.7	20	2
C-3	1144.100	D7	Kaministiquia River Terminal Entrance light buoy D7	ON	2314	Night	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.00	48° 23' 35.52"	89° 12' 39.18"	Serrated	1365	Chain	13.7	20	2
C-3	1153.000	E3	Thunder Bay light buoy E3	ON	2314	Night	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.00	48° 25' 55.98"	89° 12' 14.28"	Serrated	1365	Chain	13.7	20	2
C-3	9903.000	A6	Welcome Shoal Buoy A6	ON	2314	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	15.00	48° 20' 33.78"	89° 8' 33.36"	Concrete	4540	Chain	27.4	20	2
C-3	9904.000	A14	Mission River Entrance Inner A14	ON	2314	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.00	48° 21' 19.86"	89° 13' 1.98"	Concrete	2227	Chain	13.7	20	2
C-3	9906.000	A13	Mission Basin Spar Can Buoy A13	ON	2314	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.00	48° 21' 15.3"	89° 13' 3.12"	Concrete	2227	Chain	13.7	20	2
C-3	9907.000	A15	Mission Basin Spar Buoy A15	ON	2314	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.00	48° 21' 22.44"	89° 13' 24.6"	Concrete	817	Chain	13.7	20	2
C-3	9908.000	A17	Mission River Spar Buoy A17	ON	2314	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.00	48° 21' 37.74"	89° 13' 49.74"	Concrete	817	Chain	13.7	20	2
C-3	9911.000	A20	Mission River Spar Buoy A20	ON	2314	Unlit	0.6m Spar Conical (Short)	510	Steel	Red	Seasonal (in place year round)	8.00	48° 21' 42.18"	89° 13' 47.88"	Concrete	817	Chain	13.7	20	2
C-3	9912.000	A21	Mission River Spar Buoy A21	ON	2314	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.00	48° 22' 2.52"	89° 14' 5.28"	Concrete	817	Chain	13.7	20	2
C-3	9913.000	A22	Mission River Spar Buoy A22	ON	2314	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.00	48° 22' 1.29"	89° 13' 57.42"	Concrete	817	Chain	13.7	20	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-3	9914.000	AA3	Burke Shoal Spar Buoy AA3	ON	2314	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	7.00	48° 20' 42.78"	89° 11' 16.26"	Concrete	2270	Chain	13.7	20	2
C-3	9914.100	AA2	Mission Channel Approach Buoy AA2	ON	2314	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	9.00	48° 20' 45.42"	89° 9' 54.24"	Serrated	1365	Chain	18.3	20	2
C-3	9915.000	AA1	Welcome Island West Can Buoy AA1	ON	2314	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	9.00	48° 21' 37.98"	89° 9' 40.2"	Concrete	2270	Chain	13.7	20	2
C-3	9916.000	AD4	Mission Basin Spar Buoy AD4	ON	2314	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	7.00	48° 21' 16"	89° 13' 36"	Concrete	2227	Chain	9.1	20	2
C-3	9917.000	AD1	Mission Basin Spar Buoy AD1	ON	2314	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	7.00	48° 21' 15.39"	89° 13' 17.88"	Concrete	2227	Chain	13.7	20	2
C-3	9918.000	AD2	Mission Basin Spar Buoy AD2	ON	2314	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	7.00	48° 21' 18.96"	89° 13' 26.94"	Concrete	817	Chain	13.7	20	2
C-3	9919.000	AD3	Mission Basin Spar Buoy AD3	ON	2314	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	5.00	48° 21' 9"	89° 13' 25"	Concrete	2227	Chain	9.1	20	2
C-3	9920.000	D2	KAMINISTQUIA RIVER ENT. BUOY D2	ON	2314	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	9.00	48° 23' 49.98"	89° 12' .6"	Concrete	2270	Chain	13.7	20	2
C-3	9920.500	D2/2	D2/2	ON	2314	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.20	48° 23' 55.1"	89° 11' 45.1"	Concrete	2270	Chain	13.7	20	2
C-3	9923.000	D6	KAMINISTQUIA RIVER ENT. SPAR BUO D6	ON	2314	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.00	48° 23' 41.4"	89° 12' 37.38"	Concrete	817	Chain	13.7	20	2
C-3	9926.000	E4	MAIN HARBOUR CENTER SPAR BUOY E4	ON	2314	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.00	48° 26' 6.84"	89° 12' 0"	Concrete	817	Chain	13.7	20	2
C-3	9928.000	E8	MAIN HARBOUR CENTER E8	ON	2314	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	6.00	48° 26' .66"	89° 12' 37.98"	Concrete	2227	Chain	13.7	20	2
C-3	9929.000	E7	MAIN HARBOUR CENTER SPAR BUOY E7	ON	2314	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.00	48° 25' 42.66"	89° 12' 26.1"	Concrete	817	Chain	13.7	20	2
C-3	9930.000	E10	MAIN HARBOUR CENTER SPAR BUOY E10	ON	2314	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.00	48° 25' 37.8"	89° 12' 52.8"	Concrete	2500	Chain	13.7	20	2
C-3	9931.000	E13	MAIN HARBOUR CENTER SPAR BUOY E13	ON	2314	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	7.00	48° 25' 13.3"	89° 12' 43.7"	Concrete	817	Chain	13.7	20	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-3	9932.000	E15	MAIN HARBOUR CENTER SPAR BUOY E15	ON	2314	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.00	48° 24' 47.34"	89° 12' 32.7"	Concrete	817	Chain	13.7	20	2
C-3	9933.000	E17	MAIN HARBOUR S. SPAR BUOY E17	ON	2314	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.00	48° 24' 32.34"	89° 12' 42.12"	Concrete	2270	Chain	13.7	20	2
C-3	9935.000	E23	MAIN HARBOUR S. SPAR BUOY E23	ON	2314	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.00	48° 24' 16.2"	89° 12' 44.94"	Concrete	2227	Chain	13.7	20	2
C-3	9936.000	E9	MAIN HARBOUR CENTER E9	ON	2314	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.00	48° 25' 28.5"	89° 12' 41"	Concrete	2227	Chain	13.7	20	2
C-3	9941.000	H4	MAIN HARBOUR N. SPAR BUOY H4	ON	2314	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.00	48° 26' 52.8"	89° 10' 47.22"	Concrete	817	Chain	13.7	20	2
C-3	9942.000	H6	MAIN HARBOUR N. SPAR BUOY H6	ON	2314	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	6.00	48° 27' 3.18"	89° 10' 43.86"	Concrete	2227	Chain	9.1	20	2
C-3	9943.000	HA	MAIN HARBOUR N. SPAR BUOY HA	ON	2314	Unlit	0.6m Spar Conical (Long)	637	Steel	Red-green-red	Seasonal (in place year round)	8.00	48° 26' 54.78"	89° 10' 54.54"	Concrete	2227	Chain	13.7	20	2
C-3	9944.000	HA1	MAIN HARBOUR N. SPAR BUOY HA1	ON	2314	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	9.10	48° 26' 31.86"	89° 11' 12.84"	Concrete	817	Chain	13.7	20	2
C-3	9946.000	HA3	MAIN HARBOUR N. SPAR BUOY HA3	ON	2314	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.00	48° 26' 41.4"	89° 11' 13.2"	Concrete	817	Chain	13.7	20	2
C-3	9955.000	M2	GRAND REEF SPAR BUOY M2	ON	2311	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	10.00	48° 18' 27.96"	89° 11' 18.96"	Concrete	2270	Chain	18.3	20	2
C-3	9956.000	M4	ALEXANDER REEF SPAR BUOY M4	ON	2311	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	16.00	48° 12' 26.94"	89° 12' 49.02"	Concrete	2227	Chain	27.4	20	2
C-3	9957.000	M6	CALDWELL SHOAL SPAR BUOY M6	ON	2311	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	12.00	48° 5' 23.94"	89° 20' 47.16"	Concrete	2227	Chain	27.4	20	2
C-3	9958.000	M7	COSGRAVE BAY SPAR BUOY M7	ON	2311	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	19.00	48° 4' 50.7"	89° 21' 50.04"	Concrete	2227	Chain	27.4	20	2
C-3	9959.000	M8	IROQUOIS ROCK M8	ON	2311	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	14.00	48° 4' 43.02"	89° 22' 19.38"	Concrete	2227	Chain	8.4	20	2
C-3	9967.000	P4	MCKELLAR RIVER ENT. SPAR BUOY P4	ON	2314	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	10.00	48° 22' 44.16"	89° 10' 55.32"	Concrete	2270	Chain	13.7	20	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-3	9968.000	P7	MCKELLAR RIVER ENT. SPAR BUOY P7	ON	2314	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	4.00	48° 22' 38.64"	89° 12' 21.24"	Concrete	545	Chain	6.1	14	2
C-3	9968.100	P7/1	P7/1	ON	2314	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	4.00	48° 22' 38.52"	89° 12' 31.14"	Concrete	545	Chain	4.6	14	2
C-3	9969.000	P8	MCKELLAR RIVER ENT. SPAR BUOY P8	ON	2314	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	48° 22' 41.28"	89° 12' 22.02"	Concrete	817		9.1	20	2
C-3	9969.200	P8/2	P8/2	ON	2314	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	1.80	48° 22' 39.24"	89° 12' 30.72"	Concrete	545	Chain	4.6	14	2
C-3	9970.000	P9	MCKELLAR RIVER ENT. SPAR BUOY P9	ON	2314	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	4.00	48° 22' 38.58"	89° 12' 37.8"	Concrete	545	Chain	9.1	14	2
C-3	9971.000	P10	MCKELLAR RIVER ENT. SPAR BUOY P10	ON	2314	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	4.00	48° 22' 39.54"	89° 12' 37.86"	Concrete	545	Chain	4.6	14	2
C-3	9972.000	T	TEMPLE ROCK BUOY	ON	2301	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-red-black	Seasonal	7.00	48° 31' 37"	88° 52' 49"	DOR-MOR	137	Chain	18.3	14	2
C-3	9947.000	J	BREAD ROCK SPAR BUOY J	ON	2303	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-red-black	Seasonal	7.00	48° 44' 36"	87° 19' 23"	Concrete	545	Chain	27.4	14	2
C-3	9948.000	J1	MCGARVEY SHOAL SPAR BUOY J1	ON	2303	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	8.00	48° 47' 14"	87° 25' 0"	Concrete	545	Chain	27.4	14	2
C-3	9949.000	J3	CHANNEL IS. SPAR BUOY J3	ON	2303	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	16.00	48° 48' 55"	87° 29' 0"	Concrete	545	Chain	27.4	14	2
C-3	9949.500	J4	Barwis Rock Spar Buoy J4	ON	2312	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	15.20	48° 50' 11.5"	87° 36' 59"	Concrete	2270	Chain	27.4	20	2
C-3	9950.000	J6	MACINNES PT. SPAR BUOY J6	ON	2312	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	9.00	48° 55' .18"	87° 55' 6.01"	Concrete	2227	Chain	18.3	20	2
C-3	9950.250	J8	HOLDEN SHOAL SPAR BUOY J8	ON	2312	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	13.00	48° 56' 39.18"	88° 8' 25.01"	Concrete	817	Chain	27.4	20	2
C-3	9951.000	J10	HUGHES PT. SPAR BUOY J10	ON	2312	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	9.00	48° 56' 37.18"	88° 10' .01"	Concrete	817	Chain	13.7	20	2
C-3	9952.000	J11	CLAY SHOAL SPAR BUOY J11	ON	2312	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	9.00	48° 55' 56.18"	88° 10' 54.01"	Concrete	817	Chain	13.7	20	2
C-3	9953.000	K6	MACDIARMID BREAKWATER K6	ON	N/A	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	4.30	49° 26' 0"	88° 7' 54"	Concrete	91		5	14	2
C-3	9954.000	K8	MACDIARMID RUINS K8	ON	N/A	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	4.60	49° 26' 0"	88° 7' 53.5"	Concrete	91			14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-3	9960.000	N2	NIPIGON STRAIT SPAR BUOY N2	ON	2312	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	18.00	48° 40' 28.18"	88° 6' 33.01"	Concrete	817	Chain	27.4	20	2
C-3	9961.000	N3	NIPIGON STRAIT SPAR BUOY N3	ON	2312	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	18.00	48° 40' 33.48"	88° 6' 35.16"	Concrete	817	Chain	27.4	20	2
C-3	9962.000	N4	NIPIGON STRAIT SPAR BUOY N4	ON	2312	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	11.00	48° 41' 5.18"	88° 6' 18.01"	Concrete	817	Chain	18.3	20	2
C-3	9963.000	N5	NIPIGON STRAIT SPAR BUOY N5	ON	2312	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	14.00	48° 42' 6.18"	88° 5' 41.01"	Concrete	2227	Chain	27.4	20	2
C-3	9964.000	N7	FROG IS. BUOY N7	ON	2312	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	11.00	48° 50' 38.18"	88° 8' 24.01"	Concrete	2227	Chain	27.4	20	2
C-3	9965.000	N8	FROG IS. BUOY N8	ON	2312	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	9.00	48° 51' 57.18"	88° 10' 48.01"	Concrete	2227	Chain	27.4	20	2
C-3	9966.000	N10	COOK PT. SPAR BUOY N10	ON	2312	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	9.00	48° 57' 35.18"	88° 14' 40.01"	Concrete	817	Chain	18.3	20	2

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Lake Superior West
Contract Area no.:	C-4
Province(s):	Ontario
Contract Area Description:	The Contract Area includes the Nippigon River at the western end of Lake Superior.
Coast Guard Depot:	Thunder Bay, Ontario
Commissioning date:	May 18th
Decommissioning date:	October 15th
Total no. of buoys:	16
Max. buoy size(m) diameter :	0.5
Maximum anchor size (weight (kg)):	91
Maximum buoy weight (kg) :	65
Maximum water depth (m) :	5
Operational Season:	May 18th to October 15th
Overview of work activities:	All buoys are 'seasonal, all are unlit. The complete buoy assembly, including anchor, is placed in the spring and lifted in the fall. Unscheduled work includes response to discrepancies during the operational season.
Comment:	

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-4	9966.130	N13	N13	ON	2312	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal		48° 59' 9"	88° 15' 18.73"	Concrete	91	Rope	6.1		2
C-4	9966.140	N14	N14	ON	2312	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	4.60	48° 59' 9.24"	88° 15' 12.49"	Concrete	91	Rope	6.1		2
C-4	9966.150	N15	N15	ON	2312	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal		48° 59' 41"	88° 15' 26"	Concrete	91	Rope	6.1		2
C-4	9966.160	N16	N16	ON	2312	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal		48° 59' 40"	88° 15' 24"	Concrete	91	Rope	6.1		2
C-4	9966.170	N17	N17	ON	2312	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal		48° 59' 53"	88° 15' 20"	Concrete	91	Rope	6.1		2
C-4	9966.180	N18	N18	ON	2312	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal		48° 59' 53"	88° 15' 19"	Concrete	91	Rope	6.1		2
C-4	9966.190	N19	N19	ON	2312	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal		49° 0' 3"	88° 15' 12"	Concrete	91	Rope	6.1		2
C-4	9966.200	N20	N20	ON	2312	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal		49° 0' 2"	88° 15' 10"	Concrete	91	Rope	6.1		2
C-4	9966.210	N21	N21	ON	2312	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal		49° 0' 12"	88° 15' 11"	Concrete	91	Rope	6.1		2
C-4	9966.220	N22	N22	ON	2312	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal		49° 0' 12"	88° 15' 6"	Concrete	91	Rope	6.1		2
C-4	9966.230	N23	N23	ON	2312	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal		49° 0' 27"	88° 15' 14"	Concrete	91	Rope	6.1		2
C-4	9966.240	N24	N24	ON	2312	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal		49° 0' 27"	88° 15' 11"	Concrete	91	Rope	6.1		2
C-4	9966.250		Nipigon River Temp 1	ON	2312	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Temporary				Concrete	91	Rope	6.1		2
C-4	9966.260		Nipigon River Temp 2	ON	2312	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Temporary				Concrete	91	Rope	6.1		2
C-4	9966.270		Nipigon River Temp 3	ON	2312	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Temporary				Concrete	91	Rope	6.1		2
C-4	9966.280		Nipigon River Temp 4	ON	2312	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Temporary				Concrete	91	Rope	6.1		2

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Lake Superior Harbours
Contract Area no.:	C-5, A-C
Province(s):	Ontario
Contract Area Description:	The Contract Area includes 3 sub-contract areas: C-5A: Otter Cove C-5B: Quebec Harbour, Michipicton Island C-5C: Heron Bay
Coast Guard Depot:	Thunder Bay, Ontario
Commissioning date:	May 1st (weather dependant)
Decommissioning date:	N/A see overview below
Total no. of buoys:	13
Max. buoy size(m) diameter :	see table, page 2
Maximum anchor size (weight (kg)):	see table, page 2
Maximum buoy weight (kg) :	see table, page 2
Maximum water depth (m) :	see table, page 2
Operational Season:	May 1st to December 1st
Overview of work activities:	All buoys are 'seasonal, in-place year round', all are unlit. At Commissioning, work includes position verification and, as required, tape & numbers. The work includes planned cyclical mooring inspections and replacement over a 5 year cycle, i.e. 20% of the buoy moorings are inspected and replaced each year. Unscheduled work includes response to discrepancies during the operational season.
Comment:	The harbours will be tendered as separate contracts.

Table: Sub-area information

Location	No. of buoys/ lighted	Max. anchor size kg	Max. buoy size (m) diameter	Max. buoy weight kg	Max. water depth (m)
C-5A; Otter Cove	3 unlit	1136	0.3	65	12
C-5B: Quebec Harbour	8 unlit	1136	0.6	510	9
C-5C: Heron Bay	2 unlit	4545	0.6	510	9

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-5a	9424.000	XD1	XD1	ON	2308	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	7.00	48° 6' 35"	86° 2' 24"	Concrete	2227	Chain	13.7	14	2
C-5a	9425.000	XD2	XD2	ON	2308	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	12.00	48° 5' 42"	86° 1' 24"	Concrete	2227	Chain	21.3	14	2
C-5a	9426.000	XD3	XD3	ON	2308	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	7.00	48° 5' 47"	86° 1' 18"	Concrete	2227	Chain	13.7	14	2
C-5b	9427.000	XE	XE	ON	2315	Unlit	0.6m Spar Can (Long)	510	Steel	Green-red-green	Seasonal (in place year round)	7.30	47° 42' 23.94"	85° 47' 55.5"	Concrete	2227	Chain	9.1	14	2
C-5b	9428.000	XE1	XE1	ON	2315	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	8.00	47° 42' 26.1"	85° 48' 7.62"	Concrete	817	Chain	9.1	14	2
C-5b	9429.000	XE2	XE2	ON	2315	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	47° 42' 25.62"	85° 47' 52.5"	Concrete	817	Chain	9.1	14	2
C-5b	9430.000	XE3	XE3	ON	2315	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	9.00	47° 42' 30.06"	85° 47' 59.76"	Concrete	817	Chain	9.1	14	2
C-5b	9431.000	XE4	XE4	ON	2315	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	47° 42' 34.26"	85° 47' 52.86"	Concrete	817	Chain	9.1	14	2
C-5b	9432.000	XE5	XE5	ON	2315	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	8.00	47° 42' 35.52"	85° 47' 56.1"	Concrete	817	Chain	9.1	14	2
C-5b	9433.000	XE6	XE6	ON	2315	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	47° 42' 39.96"	85° 47' 51.9"	Concrete	817	Chain	9.1	14	2
C-5b	9434.000	XE7	XE7	ON	2315	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	8.00	47° 42' 39.66"	85° 47' 55.8"	Concrete	817	Chain	9.1	14	2
C-5c	9973.000	XC3	KEATING ROCK XC3	ON	2318	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	9.00	48° 38' 48"	86° 19' 8"	Concrete	4540	Chain	13.7	20	2
C-5c	9974.000	XC5	XC5	ON	2318	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	9.00	48° 38' 54"	86° 19' 0"	Concrete	4540	Chain	13.7	20	2

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	St. Mary's River
Contract Area no.:	C-6
Province(s):	Ontario
Contract Area Description:	The Contract Area includes St.Mary's River and a portion of eastern Lake Superior to Whitefish Bay.
Coast Guard Depot:	Parry Sound, Ontario
Commissioning date:	March 25th (weather dependany) / for recreational, May 15th
Decommissioning date:	December 1st
Total no. of buoys:	49
Max. buoy size(m) diameter :	0.75
Maximum anchor size (weight (kg)):	2272
Maximum buoy weight (kg) :	637
Maximum water depth (m) :	10
Operational Season:	March 25th to December 15th
Overview of work activities:	<p>All buoys are 'seasonal, in place year round'. 3 buoys are equipped with removable lanterns.</p> <p>Commissioning work includes position verification, addition of lanterns and, as required, tape & numbers.</p> <p>Decommissioning work includes removal of lanterns.</p> <p>The work also includes planned cyclical mooring inspections and replacement over a 5 year cycle, i.e. 20% of the buoy moorings are inspected and replaced each year. .</p>
Comment:	<p>The largest buoys in this area are managed by the United States Coast Guard for Canadian Coast Guard and are excluded from this contract.</p> <p>This area includes both commercial and recreational buoys. Recreational buoy areas may not be accessible when commercial buoys are being commissioned, necessitating additional transit and work time.</p> <p><i>Season start and end dates may vary as a result of ice conditions.</i></p>

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-6	9418.000	X	MICA SHOAL X	ON	2307	Unlit	0.6m Spar Can (Long)	510	Steel	Yellow-black-yellow	Seasonal (in place year round)	10.00	47° 5' 38.7"	84° 50' 19.92"	Concrete	2270	Chain	18.3	20	2
C-6	9418.500	X2	Pancake Shoal X2	ON	US14962	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	13.60	46° 54' 30"	84° 50' 18"	Concrete	2270	Chain	27.4	20	2
C-6	9419.000	XA1	XA1	ON	US14962	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	10.00	46° 45' 44"	84° 42' 5"	Concrete	4540	Chain	21.3	20	2
C-6	9420.000	XA3	XA3	ON	US14962	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	6.00	46° 47' 44"	84° 38' 29"	Concrete	2270	Chain	18.3	20	2
C-6	9420.500	XA4	CORBEIL POINT XA4	ON	US14962	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	18.00	46° 52' 42"	84° 37' 30"	Concrete	2270	Chain	27.4	20	2
C-6	9421.000	XA5	NORTH SANDY XA5	ON	US14962	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	14.00	46° 52' 9"	84° 40' 40"	Concrete	2270	Chain	27.4	20	2
C-6	9422.000	XA7	PANCAKE SHOAL XA7	ON	US14962	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	13.00	46° 55' 27"	84° 48' 20"	Concrete	2270	Chain	18.3	20	2
C-6	9423.000	XC1	CORBEIL POINT XC1	ON	US14962	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	9.00	46° 54' 34"	84° 35' 37"	Concrete	2270	Chain	18.3	20	2
C-6	1065.500	QV18	Birch Point light buoy QV18	ON	US14883	Night	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	46° 22' 15"	84° 8' 12.5"	DOR-MOR	32	Chain	13.7	14	2
C-6	1065.700	QX2	Pumpkin Point light buoy QX2	ON	US14883	Night	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	46° 23' 28"	84° 8' 27"	DOR-MOR	32	Chain	9.1	14	2
C-6	1065.800	QC1	Bellevue Marine light buoy QC1	ON	US14883	Night	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	46° 29' 45.5"	84° 18' 8.5"	Concrete	2227	Chain	7.6	14	2
C-6	8761.000	Q14	EVERENS POINT Q14	ON	US14883	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	10.00	46° 14' 22"	84° 6' 23.1"	Concrete	2270	Chain	13.7	20	2
C-6	8762.000	Q18	RAINS WHARF Q18	ON	US14883	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.00	46° 15' 3.5"	84° 6' 4.7"	Concrete	2270	Chain	13.7	20	2
C-6	8763.000	Q20	RAINS WHARF Q20	ON	US14883	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.00	46° 15' 25.9"	84° 5' 54.8"	Concrete	2270	Chain	13.7	20	2
C-6	8765.000	Q26	REED POINT Q26	ON	US14883	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	9.00	46° 16' 6.5"	84° 6' 43"	Concrete	2270	Chain	13.7	20	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-6	8769.000	Q40	STRIBLING PT Q40	ON	US14883	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.00	46° 18' 39"	84° 7' 7.5"	Concrete	2270	Chain	13.7	20	2
C-6	8770.000	Q42	STRIBLING POINT Q42	ON	US14883	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	6.00	46° 18' 54"	84° 7' 8.7"	Concrete	2270	Chain	13.7	20	2
C-6	8771.000	Q106	SAULT STE MARIE Q106	ON	US14883	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	10.00	46° 29' 47"	84° 18' 31"	Concrete	2270	Chain	13.7	20	2
C-6	8773.000	QC2	BELLEVUE MARINE QC2	ON	US14884	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	46° 29' 47"	84° 18' 5"	Concrete	545	Chain	9.1	14	2
C-6	8774.000	QC3	QC3	ON	US14884	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	46° 29' 52.2"	84° 18' 13.6"	Concrete	341	Chain	9.1	14	2
C-6	8775.000	QC4	BELLEVUE MARINE QC4	ON	US14884	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	46° 29' 51.7"	84° 18' 10.6"	Concrete	341	Chain	9.1	14	2
C-6	8776.000	QC6	BELLEVUE MARINE QC6	ON	US14884	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	46° 29' 56"	84° 18' 15"	Concrete	341	Chain	6.1	14	2
C-6	8777.000	QC7	BELLEVUE MARINE QC7	ON	US14884	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	46° 29' 59"	84° 18' 19.6"	Concrete	341	Chain	4.6	14	2
C-6	8778.000	QC8	QC8	ON	US14884	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	46° 29' 59.5"	84° 18' 18.5"	Concrete	341	Chain	7.3	14	2
C-6	8778.004	QC9	QC9	ON	US14884	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Temporary	3.00	46° 30' .9"	84° 18' 21.1"	Concrete	341	Chain	4.6	14	2
C-6	8779.000	QM3	QM3	ON	US14884	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	46° 30' 36.5"	84° 20' 30.5"	Concrete	2227	Chain	9.1	14	2
C-6	8780.000	QM4	LOWER CANAL ENTRANCE QM4	ON	US14884	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	7.00	46° 30' 38.5"	84° 20' 25"	Concrete	2270	Chain	13.7	20	2
C-6	8781.000	QM6	LOWER CANADIAN CANAL QM6	ON	US14884	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal (in place year round)	6.00	46° 30' 43.5"	84° 20' 32"	Concrete	2270	Chain	13.7	20	2
C-6	8782.000	QM10	VIDAL SHOALS QM10	ON	US14884	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	9.00	46° 30' 47.5"	84° 22' 12.5"	Concrete	545	Chain	10	14	2
C-6	8783.000	QM12	VIDAL SHOALS QM12	ON	US14884	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	8.00	46° 30' 48"	84° 22' 20"	Concrete	817	Chain	9.1	14	2
C-6	8784.000	QM15	VIDAL SHOAL N.E. QM15	ON	US14884	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	9.10	46° 30' 20.5"	84° 23' 10.5"	Concrete	2270	Chain	13.7	20	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-6	8786.000	QM18	QM18	ON	US14884	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	9.00	46° 30' 19"	84° 23' 24"	Concrete	2270	Chain	13.7	20	2
C-6	8789.000	QM22	QM22	ON	US14884	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	10.00	46° 30' 9.5"	84° 23' 40"	Concrete	2270	Chain	13.7	20	2
C-6	8790.000	QV4	QV4	ON	2250	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	46° 19' 41"	84° 6' 33"	Concrete	341	Chain	9.1	14	2
C-6	8791.000	QV6	QV6	ON	US14883	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	46° 20' 21"	84° 7' 12"	Concrete	341	Chain	9.1	14	2
C-6	8792.000	QX4	QX4	ON	US14883	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	46° 23' 42"	84° 8' 30"	Concrete	2227	Chain	9.1	14	2
C-6	8793.000	QY2	QY2	ON	US14883	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	46° 30' 55"	84° 6' 58"	Concrete	545	Chain	9.1	14	2
C-6	8794.000	QY3	QY3	ON	US14883	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	46° 31' 43.02"	84° 7' 38.28"	Concrete	545	Chain	6.1	14	2
C-6	8795.000	QY4	QY4	ON	US14883	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	46° 31' 47"	84° 7' 35.5"	Concrete	545	Chain	9.1	14	2
C-6	8796.000	QY11	SUGAR ISL SPAR QY11	ON	US14883	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	46° 32' 10"	84° 13' 15"	Concrete	545	Chain	13.7	14	2
C-6	8797.000	QY16	QY16	ON	US14883	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	46° 30' 30.5"	84° 14' 55"	Concrete	545	Chain	9.1	14	2
C-6	8798.000	QY18	QY18	ON	US14883	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	46° 30' 16"	84° 15' 9"	Concrete	545	Chain	9.1	14	2
C-6	8799.000	QY19	QY19	ON	US14883	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	46° 29' 55.5"	84° 15' 35"	Concrete	545	Chain	9.1	14	2
C-6	8801.000	QY21	QY21	ON	US14883	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	46° 29' 50.52"	84° 15' 46.74"	Concrete	545	Chain	9.1	14	2
C-6	8802.000	QY23	QY23	ON	US14883	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	46° 29' 41.5"	84° 16' 9"	Concrete	545	Chain	10.7	14	2
C-6	8803.000	QY25	QY25	ON	US14883	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	46° 29' 38"	84° 16' 52"	Concrete	545	Chain	13.7	14	2

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-6	8804.000	QY27	QY27	ON	US14883	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	46° 29' 36"	84° 17' 6"	Concrete	545	Chain	9.1	14	2
C-6	8805.000	QY28	QY28	ON	US14883	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	46° 29' 39"	84° 17' 6"	Concrete	2227	Chain	9.1	14	2
C-6	9414.000	P6	OLD VESSEL PT. P6	ON	US14884	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.00	46° 29' 57"	84° 24' 24.5"	Concrete	2270	Chain	13.7	20	2

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Lake Huron, North Channel
Contract Area no.:	C-7

Province(s):	Ontario
Contract Area Description:	The Contract Area includes the North Channel, Lake Huron, between Little Current and St. Joseph's Channel.
Coast Guard Depot:	Parry Sound, Ontario
Commissioning date:	April 15th
Decommissioning date:	November 15th
Total no. of buoys:	164
Max. buoy size(m) diameter :	0.6
Maximum anchor size (weight (kg)):	2272
Maximum buoy weight (kg) :	637
Maximum water depth (m) :	27
Operational Season:	April 15th to November 15th

Overview of work activities:	<p>All buoys are 'seasonal, in-place year round', 13 buoys have removable lanterns; 1 buoy has a winter spar</p> <p>At Commissioning, work includes position verification of buoys, addition of lanterns and, as required, tape & numbers. Also the replacement of the winter spar by the summer buoy. Decommissioning work includes removal of lanterns and replacement of summer buoy with winter spar.</p> <p>The work includes planned cyclical mooring inspections and replacement over a 5 year cycle, i.e. 20% of the buoy moorings are inspected and replaced each year, for year round buoys only.</p> <p>Unscheduled work includes response to discrepancies during the operational season.</p>
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Comment:

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-7	975.000	E1	Jackman Rock light buoy E1	ON	2205	Night	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	13.00	45° 57' 58.62"	81° 29' 34.98"	Concrete	2270	Chain	27.4	20	2
C-7	972.800	DE2	Scarecrow Island light buoy DE2	ON	2245	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	24.40	45° 53' 48.24"	81° 23' 2.34"	Concrete	2227	Chain	41.1	20	2
C-7	8367.000	D111	D111	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	11.00	45° 59' 3.12"	81° 25' 8.09"	Concrete	545	Chain	12.2	14	2
C-7	8368.000	D112	D112	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	9.00	45° 59' 6.62"	81° 25' 7.09"	Concrete	545	Chain	13.7	14	2
C-7	8369.000	D113	D113	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.20	45° 58' 55.62"	81° 25' 32.59"	Concrete	545	Chain	9.1	14	2
C-7	1050.500	KH2	Prout Rock light buoy KH2	ON	2251	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	12.20	46° 16' 14.1"	83° 46' 9.2"	Concrete	2270	Chain	13.7	20	2
C-7	1053.000	K8	Plummer Bank light buoy K8	ON	2250	Night	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	46° 17' 46.5"	83° 54' 38"	Concrete	2227	Chain	13.7	20	2
C-7	1059.000	K33	Cambria Bank light buoy K33	ON	US14883	Night	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	7.00	46° 19' 29"	84° 6' 12"	Concrete	2227	Chain	9.1	20	2
C-7	8557.000	K2	MCKAY REEF K2	ON	2250	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	9.00	46° 16' 26"	83° 47' 41"	Concrete	2270	Chain	18.3	20	2
C-7	8558.000	K3	K3	ON	2250	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	12.00	46° 15' 36"	83° 52' 19"	Concrete	341	Chain	12.2	14	2
C-7	8559.000	K7	K7	ON	2250	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	8.00	46° 17' 49"	83° 54' 44"	Concrete	545	Chain	15.2	14	2
C-7	8560.000	K9	K9	ON	2250	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	46° 18' 5"	83° 54' 59"	Concrete	817	Chain	10.1	14	2
C-7	8561.000	K10	CARMONA ROCK K10	ON	2250	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	11.00	46° 18' 27"	83° 55' 2"	Concrete	545	Chain	13.7	14	2
C-7	8562.000	K12	K12	ON	2250	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	46° 18' 51"	83° 55' 24"	Concrete	545	Chain	13.7	14	2
C-7	8563.000	K15	K15	ON	2250	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	11.00	46° 19' 17"	83° 58' 27"	Concrete	545	Chain	18.3	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-7	8564.000	K16	K16	ON	2250	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	20.00	46° 19' 20"	83° 58' 32"	Concrete	545	Chain	27.4	14	2
C-7	8565.000	K17	K17	ON	2251	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	46° 19' 17"	83° 58' 58"	Concrete	341	Chain	18.3	14	2
C-7	8566.000	K18	K18	ON	2250	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	46° 19' 16"	83° 59' 4"	Concrete	341	Chain	13.7	14	2
C-7	8567.000	K19	K19	ON	2250	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	46° 18' 16"	84° 0' 45"	Concrete	545	Chain	13.7	14	2
C-7	8569.000	K22	K22	ON	2250	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	46° 18' 1.5"	84° 1' 34"	Concrete	341	Chain	9.1	14	2
C-7	8570.000	K24	K24	ON	2250	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	8.00	46° 18' 2"	84° 2' 3"	Concrete	341	Chain	13.7	14	2
C-7	8571.000	K26	K26	ON	2250	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	9.00	46° 18' 28"	84° 3' 42"	Concrete	545	Chain	13.7	14	2
C-7	8572.000	K28	WAUBANO BANK K28	ON	2250	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	46° 18' 51"	84° 4' 13"	Concrete	341	Chain	12.2	14	2
C-7	8573.000	K29	K29	ON	2250	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	11.00	46° 18' 50"	84° 4' 27"	Concrete	341	Chain	13.7	14	2
C-7	8574.000	K30	K30	ON	2250	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	46° 18' 51"	84° 4' 32"	Concrete	341	Chain	13.7	14	2
C-7	8575.000	K31	K31	ON	2250	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	46° 18' 50"	84° 4' 46"	Concrete	341	Chain	13.7	14	2
C-7	8576.000	K32	K32	ON	2250	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	7.00	46° 18' 54.5"	84° 4' 51"	Concrete	2227	Chain	18.3	20	2
C-7	8583.000	KD1	KD1	ON	2250	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	8.00	46° 17' 19"	83° 51' 51"	Concrete	545	Chain	13.7	14	2
C-7	8584.000	KD2	KD2	ON	2250	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	46° 17' 22"	83° 51' 41"	Concrete	545	Chain	13.7	20	2
C-7	8585.000	KD4	KD4	ON	2250	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	46° 18' 20.5"	83° 52' 48"	Concrete	545	Chain	9.1	14	2
C-7	8590.000	KH3	BARNEY ROCK KH3	ON	2250	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	6.00	46° 16' 47.88"	83° 47' 7.02"	Concrete	545	Chain	13.7	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-7	8591.000	KH5	KH5	ON	2250	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	8.00	46° 16' 55.44"	83° 46' 43.74"	Concrete	545	Chain	13.7	14	2
C-7	8592.000	KH7	KH7	ON	2250	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	46° 17' 13.92"	83° 46' 52.18"	Concrete	545	Chain	9.1	14	2
C-7	8594.000	KH11	KH11	ON	2250	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	46° 17' 34.56"	83° 47' 10.08"	Concrete	545	Chain	9.1	14	2
C-7	8595.000	KH12	KH12	ON	2250	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	46° 17' 47.1"	83° 47' 17.64"	Serrated	363	Chain	4.6	14	2
C-7	8596.000	KJ1	KJ1	ON	2250	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	46° 19' 55"	83° 55' 45.5"	Concrete	227	Chain	3	14	2
C-7	8597.000	KJ2	KJ2	ON	2250	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	46° 19' 54.5"	83° 55' 45.8"	Concrete	227	Chain	3	20	2
C-7	8598.000	KJ3	KJ3	ON	2250	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	2.00	46° 20' 5"	83° 55' 51.7"	Concrete	227	Chain	3	14	2
C-7	8599.000	KJ4	KJ4	ON	2250	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	1.00	46° 20' 5"	83° 55' 48.8"	Concrete	227	Chain	3	14	2
C-7	1007.000	J56	Picnic Island light buoy J56	ON	2207	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	6.00	45° 59' 33.54"	81° 56' 44.64"	Concrete	2227	Chain	9.1	20	2
C-7	1010.000	J66	James Foote Patch light buoy J66	ON	2207	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	12.00	45° 58' 55.26"	82° 5' .66"	Concrete	2227	Chain	21	20	2
C-7	1013.300	UV2	Spanish River Light Buoy UV2	ON	2268	Night	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	1.80	46° 10' 51.4"	82° 22' 28"	Concrete	341	Chain	3	14	2
C-7	1014.000	J72	Robertson Rock light buoy J72	ON	2257	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	7.00	46° 3' 27.22"	82° 13' 28.61"	Concrete	2270	Chain	27.4	20	2
C-7	1015.500	JD14	Middle Bank light buoy JD14	ON	2257	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	7.00	45° 59' 42.11"	82° 19' 2.72"	Concrete	2270	Chain	18.3	20	2
C-7	1021.000	J74	Innes Island light buoy J74	ON	2257	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	13.00	46° 2' 7.11"	82° 21' 10.72"	Concrete	2270	Chain	27.4	20	2
C-7	1031.000	UP9	Blind River light buoy UP9	ON	2268	Night	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	46° 10' 51"	82° 57' 29"	Concrete	545	Chain	4.6	14	2
C-7	1039.000	KE2	Perrique Island light buoy KE2	ON	2251	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	9.00	46° 8' 2"	83° 45' 49"	Concrete	2270	Chain	13.7	20	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-7	1046.000	KC2	Bullhead Bay light buoy KC2	ON	2251	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	11.00	46° 14' 46.5"	83° 32' 57.3"	Concrete	2270	Chain	13.7	20	2
C-7	1047.000	KA/2	Thessalon Breakwater light buoy KA/2	ON	2251	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	7.00	46° 15' 2.6"	83° 33' 9.3"	Concrete	2227	Chain	13.7	20	2
C-7	8509.000	J45	J45	ON	2207	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	10.00	45° 59' 5.66"	81° 55' 37.86"	Concrete	2227	Chain	10.7	20	2
C-7	8510.000	J46	J46	ON	2207	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.00	45° 59' 1.02"	81° 55' 31.63"	Concrete	2227	Chain	9.1	20	2
C-7	8512.000	J48	J48	ON	2207	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	7.00	45° 59' 20.2"	81° 55' 40.06"	Concrete	817	Chain	12.2	14	2
C-7	8513.000	J49	J49	ON	2207	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	7.00	45° 59' 22.14"	81° 56' 5.34"	Concrete	2227	Chain	9.1	20	2
C-7	8514.000	J50	J50	ON	2207	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	7.00	45° 59' 24.18"	81° 56' 3.91"	Concrete	2227	Chain	9.1	20	2
C-7	8515.000	J51	J51	ON	2207	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	7.00	45° 59' 25.57"	81° 56' 20.97"	Concrete	2227	Chain	9.1	20	2
C-7	8516.000	J52	J52	ON	2207	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	7.00	45° 59' 26.82"	81° 56' 15.06"	Concrete	2227	Chain	9.1	20	2
C-7	8517.000	J54	J54	ON	2207	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	4.00	45° 59' 29.52"	81° 56' 31.2"	Concrete	817	Chain	9.1	14	2
C-7	8518.000	J55	J55	ON	2207	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	7.00	45° 59' 31.32"	81° 56' 45.5"	Concrete	2227	Chain	9.1	20	2
C-7	8519.000	J57	J57	ON	2207	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	7.00	45° 59' 30.48"	81° 56' 53.67"	Concrete	2227	Chain	9.1	20	2
C-7	8521.000	J60	J60	ON	2207	Unlit	0.6m SB 60 Spar Conical PI		Plastic	Red	Seasonal	6.00	45° 59' 32.63"	81° 57' 6.67"	Concrete	2227	Chain	9.1	20	2
C-7	8522.000	J61	J61	ON	2207	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	12.00	45° 59' 29.97"	81° 57' 49.29"	Concrete	545	Chain	13.7	14	2
C-7	8523.000	J63	J63	ON	2207	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	8.00	45° 59' 28.45"	81° 58' 57.48"	Concrete	817	Chain	13.7	14	2
C-7	8523.500	J71	LOGAN REEF J71	ON	2207	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	14.00	46° 2' .36"	82° 11' 8.88"	Concrete	2227	Chain	27.4	20	2
C-7	8526.000	JD	JD	ON	2257	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red-green-red	Seasonal	11.00	45° 57' 39.3"	82° 15' 6.582"	Concrete	545	Chain	13.7	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-7	8527.000	JD2	JD2	ON	2257	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.00	45° 58' 46.56"	82° 12' 8.64"	Concrete	817	Chain	10.7	14	2
C-7	8528.000	JD4	KITTIWAKE ROCK JD4	ON	2257	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	7.00	45° 58' 36.6"	82° 13' 32.7"	Concrete	545	Chain	10.7	14	2
C-7	8529.000	JD5	JD5	ON	2257	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	45° 59' 7.56"	82° 15' 17"	Concrete	545	Chain	9.1	14	2
C-7	8530.000	JD6	JD6	ON	2257	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.00	45° 59' 26.4"	82° 15' 57.18"	Concrete	545	Chain	7.6	14	2
C-7	8531.000	JD7	JD7	ON	2257	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.00	45° 59' 28.26"	82° 16' 12.6"	Concrete	817	Chain	6.1	14	2
C-7	8532.000	JD8	JD8	ON	2257	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.00	45° 59' 31.44"	82° 16' 18"	Concrete	545	Chain	7	14	2
C-7	8533.000	JD10	JD10	ON	2257	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 59' 34.08"	82° 16' 47.5"	Concrete	545	Chain	6.1	14	2
C-7	8534.000	JD11	MAPLE POINT JD11	ON	2257	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	7.50	45° 59' 33.402"	82° 17' 29.46"	Concrete	545	Chain	10.7	14	2
C-7	8535.000	JD13	JOHNSON POINT JD13	ON	2257	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	5.00	45° 59' 33.72"	82° 18' 28.68"	Concrete	545	Chain	10.7	14	2
C-7	8536.000	JDC	WESTERN REEF JDC	ON	2257	Unlit	0.6m Spar Can (Long)	510	Steel	Yellow-black-yellow	Seasonal (in place year round)	6.00	46° 0' 48.72"	82° 19' 53.34"	Concrete	2227	Chain	18.3	20	2
C-7	8537.000	JE2	JE2	ON	2257	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	8.00	45° 55' 19.794"	82° 27' 28.68"	Concrete	545	Chain	7.6	14	2
C-7	8540.000	JJ1	JUBILEE SHOAL JJ1	ON	2258	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	9.00	45° 57' 54"	82° 44' 4"	Concrete	2270	Chain	27.4	20	2
C-7	8541.000	JJ3	HENRY PATCH JJ3	ON	2258	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	5.50	45° 54' 9"	82° 47' 24"	Concrete	545	Chain	7.6	14	2
C-7	8542.000	JK1	JK1	ON	2259	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	6.00	45° 57' 9.11"	82° 57' 27.73"	Concrete	2227	Chain	9.1	14	2
C-7	8543.000	JK2	JK2	ON	2259	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 57' 18.42"	82° 58' 7.8"	Concrete	545	Chain	9.1	14	2
C-7	8545.000	JK4	JK4	ON	2299	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	4.00	45° 57' 53.11"	83° 3' 33.73"	Concrete	545	Chain	6.1	14	2
C-7	8546.000	JK6	JK6	ON	2299	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	11.00	45° 58' 2.58"	83° 4' 54.9"	Concrete	2227	Chain	27.4	20	2
C-7	8549.000	JP2	STRAUBENZEE PT JP2	ON	2207	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	12.00	46° 0' 12.06"	82° 5' 20.94"	Concrete	2270	Chain	13.7	20	2
C-7	8555.000	JU1	JU1	ON	2251	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 57' 35"	83° 18' 54"	Concrete	545	Chain	6.1	14	2

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BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-7	8579.000	KC4	THESSALON HBR KC4	ON	2251	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	10.00	46° 14' 53.1"	83° 32' 27.3"	Concrete	2227	Chain	13.7	20	2
C-7	8580.000	KC5	THESSALON HBR KC5	ON	2251	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	9.00	46° 15' 2.5"	83° 32' 25.6"	Concrete	2227	Chain	13.7	20	2
C-7	8581.000	KC6	THESSALON HBR KC6	ON	2251	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	10.00	46° 14' 53.6"	83° 32' 12.3"	Concrete	2227	Chain	13.7	20	2
C-7	8582.000	KC8	THESSALON HBR KC8	ON	2251	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	9.10	46° 15' 3.5"	83° 32' 7.1"	Concrete	2227	Chain	13.7	20	2
C-7	8586.000	KE4	O'DONNEL BANK KE4	ON	2251	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	16.00	46° 8' 2.71"	83° 46' 18.73"	Concrete	2227	Chain	27.4	20	2
C-7	8587.000	KE5	SALT ISLAND KE5	ON	2251	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	23.00	46° 7' 47"	83° 47' 48"	Concrete	2227	Chain	30.5	20	2
C-7	8588.000	KE9	MACOMB ISLAND KE9	ON	2251	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.00	46° 4' 57"	83° 52' 29"	Concrete	2227	Chain	13.7	20	2
C-7	8600.000	KK	SHEPHERD REEF KK	ON	2251	Unlit	0.6m Spar Can (Long)	510	Steel	Black-yellow-black	Seasonal (in place year round)	9.00	46° 9' 59"	83° 34' 45"	Concrete	2270	Chain	18.3	20	2
C-7	8868.000	U	U	ON	2207	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red-green-red	Seasonal (in place year round)	6.00	46° 4' 22.56"	82° 4' 8.76"	Concrete	545	Chain	9.1	14	2
C-7	8869.000	U2	U2	ON	2207	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	45° 59' 59.82"	81° 58' 19.74"	Concrete	2270	Chain	13.7	14	2
C-7	8870.000	U4	U4	ON	2207	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	18.00	46° 4' 22.86"	82° 0' 5.76"	Concrete	817	Chain	27.4	14	2
C-7	8871.000	U6	U6	ON	2207	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	46° 5' .36"	82° 4' 44.76"	Concrete	545	Chain	13.7	14	2
C-7	8872.000	U8	U8	ON	2207	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.60	46° 5' 31.44"	82° 7' 21.12"	Concrete	817	Chain	12.2	14	2
C-7	8873.000	U9	U9	ON	2207	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	15.00	46° 5' 51.42"	82° 10' 4.38"	Concrete	545	Chain	18.3	14	2
C-7	8874.000	U12	U12	ON	2207	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	9.00	46° 7' 17"	82° 13' 41"	Concrete	545	Chain	13.7	14	2

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BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-7	8875.000	U13	U13	ON	2207	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	24.00	46° 7' 49"	82° 16' 0"	Concrete	545	Chain	27.4	14	2
C-7	8876.000	U15	U15	ON	2257	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	46° 8' 55.5"	82° 29' 54"	Concrete	2227	Chain	15.2	14	2
C-7	8878.000	U19	U19	ON	2268	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	12.00	46° 9' 13.5"	82° 34' 28"	Concrete	545	Chain	18.3	14	2
C-7	8879.000	U21	U21	ON	2268	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	17.00	46° 9' 12.5"	82° 34' 50.8"	Concrete	545	Chain	27.4	14	2
C-7	8880.000	U22	U22	ON	2268	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	15.00	46° 9' 16.3"	82° 35' 19.9"	Concrete	545	Chain	19.8	14	2
C-7	8881.000	U23	U23	ON	2268	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	13.00	46° 9' 3"	82° 37' 2"	Concrete	545	Chain	27.4	14	2
C-7	8882.000	U24	U24	ON	2268	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	11.00	46° 9' 8.5"	82° 37' 18"	Concrete	545	Chain	27.4	14	2
C-7	8883.000	U25	U25	ON	2268	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	46° 8' 58.5"	82° 38' 18.6"	Concrete	2227	Chain	15.2	14	2
C-7	8886.000	U30	U30	ON	2259	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	8.00	46° 9' 9.06"	82° 40' 24.9"	Concrete	545	Chain	13.7	14	2
C-7	8887.000	U32	U32	ON	2259	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	20.00	46° 9' 7.92"	82° 42' 1.5"	Concrete	2270	Chain	36.6	20	2
C-7	8888.000	UA1	LUARD ROCK UA1	ON	2207	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	16.00	46° 3' 39.005"	81° 56' 4.719"	Concrete	2227	Chain	27.4	14	2
C-7	8889.000	UA3	UA3	ON	2207	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	9.00	46° 3' 54.593"	81° 52' 1.873"	Concrete	817	Chain	15.2	14	2
C-7	8890.000	UA5	UA5	ON	2207	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	9.00	46° 4' 1"	81° 50' 55"	Concrete	341	Chain	12.2	14	2
C-7	8891.000	UA7	UA7	ON	2207	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	46° 4' 22.68"	81° 49' 16.44"	Concrete	545	Chain	13.7	14	2
C-7	8892.000	UA8	UA8	ON	2207	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	46° 4' 17.864"	81° 49' 8.263"	Concrete	545	Chain	13.7	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-7	8893.000	UA10	UA10	ON	2207	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	46° 4' 23.149"	81° 48' 55.974"	Concrete	341	Chain	10.7	14	2
C-7	8894.000	UA11	UA11	ON	2207	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	9.00	46° 4' 35.306"	81° 48' 28.742"	Concrete	341	Chain	10.7	14	2
C-7	8895.000	UA13	UA13	ON	2207	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	46° 4' 51.502"	81° 48' 30.856"	Concrete	341	Chain	9.1	14	2
C-7	8896.000	UA19	UA19	ON	2207	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	46° 5' 38.661"	81° 47' 35.328"	Concrete	545	Chain	7.6	14	2
C-7	8897.000	UA21	UA21	ON	2207	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	46° 5' 43"	81° 47' 6"	Concrete	341	Chain	9.1	14	2
C-7	8898.000	UA22	UA22	ON	2207	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	13.70	46° 5' 52"	81° 46' 21"	Concrete	341	Chain	15.2	14	2
C-7	8899.000	UA23	UA23	ON	2207	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	46° 6' 11.159"	81° 44' 41.165"	Concrete	341	Chain	9.1	14	2
C-7	8899.040	UA24	UA24	ON	2207	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Temporary	7.00	46° 6' 27.96"	81° 43' 59.76"	Concrete	341	Chain	3	14	2
C-7	8900.000	UA25	UA25	ON	2207	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	46° 6' 26"	81° 44' 2.6"	Concrete	341	Chain	6.1	14	2
C-7	8901.000	UA26	UA26	ON	2207	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	46° 6' 28.5"	81° 43' 58.7"	Concrete	341	Chain	3	14	2
C-7	8902.000	UA27	UA27	ON	2207	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	2.70	46° 6' 28.9"	81° 43' 59.3"	Concrete	341	Chain	3.7	14	2
C-7	8903.000	UC	UC	ON	2207	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red-green-red	Seasonal (in place year round)	13.00	46° 4' 38.52"	82° 9' 34.62"	Concrete	545	Chain	13.7	14	2
C-7	8904.000	UC1	BOYD ISLAND UC1	ON	2268	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	17.00	46° 7' 40"	82° 20' 28"	Concrete	2227	Chain	27.4	20	2
C-7	8908.000	UJ1	UJ1	ON	2259	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	18.30	46° 7' 48"	82° 42' 15.5"	Concrete	2270	Chain	27.4	20	2
C-7	8909.000	UJ2	RESCUE ROCK SPAR UJ2	ON	2259	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	22.00	46° 6' 34"	82° 42' 47"	Concrete	2270	Chain	27.4	20	2
C-7	8910.000	UJ4	MILLS ISLAND SPAR UJ4	ON	2259	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	23.00	46° 7' 54.6"	82° 41' 55.02"	Concrete	2270	Chain	27.4	20	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-7	8911.000	UK	UK	ON	2259	Unlit	0.6m Spar Conical (Long)	637	Steel	Red-green-red	Seasonal (in place year round)	10.00	46° 4' 55.98"	82° 45' 32.64"	Concrete	2270	Chain	27.4	20	2
C-7	8912.000	UM	UM	ON	2259	Unlit	0.6m Spar Conical (Long)	637	Steel	Red-green-red	Seasonal (in place year round)	12.00	46° 5' 40.08"	82° 54' 15.5"	Concrete	2270	Chain	27.4	20	2
C-7	8914.000	UM4	UM4	ON	2259	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	25.60	46° 6' 15.12"	82° 51' 21"	Concrete	2270	Chain	27.4	20	2
C-7	8915.000	UM5	UM5	ON	2259	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	12.00	46° 8' 8.1"	82° 51' 21.78"	Concrete	1365	Chain	13.7	20	2
C-7	8916.000	UM6	UM6	ON	2259	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	46° 8' 47.82"	82° 50' 19.26"	Concrete	545	Chain	13.7	20	2
C-7	8917.000	UM9	UM9	ON	2259	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	9.00	46° 9' 50.46"	82° 49' 8.52"	Concrete	545	Chain	12.2	14	2
C-7	8918.000	UM11	UM11	ON	2259	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	46° 9' 51"	82° 48' 9"	Concrete	545	Chain	13.7	14	2
C-7	8919.000	UN	UN	ON	2268	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green-red-green	Seasonal (in place year round)	4.00	46° 10' 31.7"	82° 57' 55"	Concrete	545	Chain	4.6	14	2
C-7	8927.000	UP	UP	ON	2299	Unlit	0.6m Spar Conical (Long)	637	Steel	Red-green-red	Seasonal (in place year round)	5.00	46° 7' 37.11"	83° 3' 40.73"	Concrete	2227	Chain	13.7	20	2
C-7	8928.000	UP1	UP1	ON	2259	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	6.00	46° 9' 19.302"	82° 59' 59.892"	Concrete	2227	Chain	9.1	20	2
C-7	8929.000	UP2	BELLE ROCK UP2	ON	2268	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	46° 10' 3.5"	82° 57' 22"	Concrete	545	Chain	6.1	14	2
C-7	8930.000	UP3	UP3	ON	2268	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	46° 10' 21"	82° 57' 55"	Concrete	545	Chain	4.6	20	2
C-7	8931.000	UP4	UP4	ON	2268	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	2.00	46° 10' 21"	82° 57' 50"	Concrete	545	Chain	4.6	20	2
C-7	8932.000	UP7	UP7	ON	2268	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	46° 10' 35.3"	82° 57' 52"	Concrete	545	Chain	4.6	14	2
C-7	8933.000	UP8	UP8	ON	2268	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	46° 10' 38"	82° 57' 43.5"	Concrete	545	Chain	4.6	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-7	8934.000	UP10	UP10	ON	2268	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	46° 10' 46"	82° 57' 30"	Concrete	545	Chain	4.6	14	2
C-7	8935.000	UQ2	FISK REEF UQ2	ON	2251	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	12.30	46° 7' 57.6"	83° 25' 3"	Concrete	2270	Chain	27.4	20	2
C-7	8935.900	UT5	UT5	ON	2207	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal (in place year round)	1.80	46° 4' 38.16"	81° 46' 48.84"	Concrete	227	Chain	3	14	2
C-7	8936.000	UT6	UT6	ON	2207	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	46° 5' 1.555"	81° 46' 3.883"	Concrete	341	Chain	9.1	14	2
C-7	8936.500	UT10	UT10	ON	2207	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Red	Seasonal	0.90	46° 5' 36.24"	81° 45' 12.3"	Concrete	341	Chain	3	14	2
C-7	8936.700	UT11	UT11	ON	2207	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	46° 5' 38.69"	81° 45' 6.694"	Concrete	341	Chain	4.6	14	2
C-7	8938.000	UV1	UV1	ON	2268	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	1.80	46° 10' 51.85"	82° 22' 28.52"	Concrete	341	Chain	3	14	2
C-7	8938.500	UV1/1	UV1/1	ON	2268	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	1.80	46° 10' 55.4"	82° 22' 10.7"	Concrete	341	Chain	3	14	2
C-7	8938.700	UV2/2	UV2/2	ON	2268	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	1.80	46° 10' 54.85"	82° 22' 10"	Concrete	341	Chain	3	14	2
C-7	8940.000	UV4	UV4	ON	2268	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	46° 10' 57.73"	82° 21' 41.72"	Concrete	341	Chain	4.6	14	2
C-7	8942.000	UV6	UV6	ON	2268	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	46° 10' 57.5"	82° 21' 28"	Concrete	341	Chain	3	14	2
C-7	8943.000	UV8	UV8	ON	2268	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	46° 10' 58"	82° 21' 14"	Concrete	341	Chain	4.6	14	2
C-7	8944.000	UV9	UV9	ON	2268	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	46° 11' 2"	82° 20' 57.5"	Concrete	341	Chain	4.6	14	2
C-7	8945.000	UV10	UV10	ON	2268	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	46° 11' 1"	82° 20' 57.5"	Concrete	341	Chain	4.6	14	2
C-7	8946.000	UX1	UX1	ON	2268	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	46° 10' 31"	82° 57' 58.5"	Concrete	545	Chain	4.6	14	2

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-7	8947.000	UY	UY	ON	2207	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red-green-red	Seasonal (in place year round)	8.00	46° 4' 28.334"	81° 48' 31.623"	Concrete	545	Chain	13.7	14	2
C-7	8948.000	UY6	UY6	ON	2207	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	46° 4' 11.998"	81° 47' 5.4"	Concrete	341	Chain	7.6	14	2
C-7	8948.200	UY8	UY8	ON	2207	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	9.00	46° 4' 8.412"	81° 47' 4.804"	Concrete	341	Chain	9.1	14	2
C-7	8949.000	UY9	UY9	ON	2207	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	46° 4' 8.313"	81° 46' 59.369"	Concrete	341	Chain	10.7	14	2
C-7	8950.000	UY10	UY10	ON	2207	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	46° 4' 5"	81° 47' 1"	Concrete	341	Chain	9.1	14	2

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Inland Lakes		
Contract Area no.:	C-8, A-D		
Province(s):	Ontario		
Contract Area Description:	The Contract Area includes 4 sub-contract areas with similar buoy sizes and conditions:		
	C-8A: Lake Nippising	92 buoys	
	C-8B: Lake Rousseau & Lake Joseph	165 buoys	
	C-8C: Lake Muskoka	148 aids	
	C-8D: Lake of Bays	17 aids	
Coast Guard Depot:	Parry Sound, Ontario		
Commissioning date:	no later than May 15th		
Decommissioning date:	N/A, see overview below		
Total no. of buoys:	422		
Max. buoy size(m) diameter :	0.6		
Maximum anchor size (weight (kg)):	65		
Maximum buoy weight (kg) :	341		
Maximum water depth (m) :	20		
Operational Season:	May 15 to November 15th		
Overview of work activities:	All buoys are 'seasonal, in-place year round'; most are unlit, 17 buoys have removable lanterns, which are placed onto the buoy at Commissioning & removed at Decommissioning. At Commissioning, work includes position verification, addition of lanterns and, as required, tape & numbers. The work includes planned cyclical mooring inspections and replacement over a 5 year cycle, i.e. 20% of the buoy moorings are inspected and replaced each year. Decommissioning work includes removal of lanterns Unscheduled work includes response to discrepancies during the operational season.		
Comment:	The Lakes will be tendered as separate contracts.		

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-8a	1422.000	J5	Callander Entrance light buoy J5	ON	6035	Night	0.6m SB 60 Spar Can Pl		Plastic	Green	Seasonal (in place year round)	7.00	46° 12' 52"	79° 28' 52"	Concrete	227	Chain	13.7	14	2
C-8a	1426.500	J	Lonely Island Reef West Cardinal light buoy J	ON	6035	Night	0.6m SB 60 Spar Can Pl		Plastic	Yellow-black-yellow	Seasonal (in place year round)	8.00	46° 12' 24"	79° 34' 13"	Concrete	227	Chain	13.7	14	2
C-8a	1433.000	D9	Blueberry Island light buoy D9	ON	6035	Night	0.6m SB 60 Spar Can Pl		Plastic	Green	Seasonal (in place year round)	18.00	46° 12' 43.5"	79° 45' 57.5"	Concrete	227	Chain	27.4	14	2
C-8a	1441.000	AA1	Sturgeon River light buoy AA1	ON	6037	Night	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	46° 18' 30"	79° 56' 50"	Concrete	227	Chain	9.1	14	2
C-8a	9273.000	A1	A1	ON	6037	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	46° 18' 43"	79° 57' 15"	Concrete	227	Chain	4.6	14	2
C-8a	9274.000	A2	A2	ON	6037	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	1.50	46° 18' 44.5"	79° 57' 13"	Concrete	227	Chain	4.6	14	2
C-8a	9275.000	A3	A3	ON	6037	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	46° 18' 52.85"	79° 57' 32.78"	Concrete	227	Chain	4.6	14	2
C-8a	9276.000	A4	A4	ON	6037	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	46° 18' 54"	79° 57' 31"	Concrete	227	Chain	4.6	14	2
C-8a	9277.000	A5	A5	ON	6037	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	46° 19' 4"	79° 57' 52"	Concrete	227	Chain	4.6	14	2
C-8a	9278.000	A6	A6	ON	6037	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	46° 19' 4"	79° 57' 50"	Concrete	227	Chain	4.6	14	2
C-8a	9279.000	AA	AA SOUTH CARDINAL	ON	6037	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Yellow-black	Seasonal (in place year round)	3.60	46° 18' 40"	79° 55' 35"	Concrete	227	Chain	9.1	14	2
C-8a	9280.000	AA2	AA2	ON	6037	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	46° 19' 17"	79° 56' 16"	Concrete	227	Chain	4.6	14	2
C-8a	9281.000	C2	C2	ON	6036	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.30	46° 12' 48"	79° 53' 15"	Concrete	227	Chain	9.1	14	2
C-8a	9282.000	C3	C3	ON	6036	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	46° 13' 10.5"	79° 53' 42"	Concrete	227	Chain	9.1	14	2
C-8a	9283.000	C4	C4	ON	6036	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	46° 13' 21"	79° 53' 12.9"	Concrete	227	Chain	9.1	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-8a	9284.000	C5	C5	ON	6036	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	46° 13' 19.8"	79° 53' 14.28"	Concrete	227	Chain	4.6	14	2
C-8a	9285.000	C7	C7	ON	6037	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	46° 13' 35"	79° 53' 37"	Concrete	227	Chain	4.6	14	2
C-8a	9286.000	C9	C9	ON	6037	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	46° 13' 43"	79° 53' 41"	Concrete	227	Chain	4.6	14	2
C-8a	9287.000	C10	C10	ON	6037	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	46° 13' 54"	79° 54' 32"	Concrete	227	Chain	9.1	14	2
C-8a	9288.000	C11	C11	ON	6037	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	46° 13' 53"	79° 55' 6"	Concrete	227	Chain	9.1	14	2
C-8a	9289.000	C13	C13	ON	6037	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal (in place year round)	3.00	46° 13' 53"	79° 56' 20"	Concrete	227	Chain	4.6	14	2
C-8a	9290.000	C15	C15	ON	6037	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal (in place year round)	1.00	46° 14' 3"	79° 56' 33"	Concrete	227	Chain	3	14	2
C-8a	9291.000	C17	C17	ON	6037	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	1.00	46° 14' 13"	79° 56' 41"	Concrete	227	Chain	4.6	14	2
C-8a	9292.000	D	D	ON	6036	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red-green-red	Seasonal (in place year round)	6.10	46° 9' 43.5"	79° 57' 48.24"	Concrete	227	Chain	9.1	14	2
C-8a	9293.000	D2	D2	ON	6036	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.10	46° 10' 54.6"	79° 54' 46.8"	Concrete	227	Chain	9.1	14	2
C-8a	9294.000	D4	D4	ON	6036	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	20.00	46° 11' 10.8"	79° 54' 6.06"	Concrete	227	Chain	27.4	14	2
C-8a	9295.000	D7	D7	ON	6036	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.30	46° 12' 28.86"	79° 47' 54.42"	Concrete	227	Chain	27.4	14	2
C-8a	9296.000	DA2	DA2	ON	6036	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	46° 9' 50.82"	80° 3' 34.92"	Concrete	227	Chain	9.1	14	2
C-8a	9297.000	DA5	DA5	ON	6036	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	46° 8' 50.7"	80° 0' 36.66"	Concrete	227	Chain	9.1	14	2
C-8a	9298.000	DA7	DA7	ON	6036	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	46° 8' 50.04"	80° 0' 14.34"	Concrete	227	Chain	9.1	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-8a	9299.000	DC	DC	ON	6036	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green-red-green	Seasonal (in place year round)	11.00	46° 11' 14.5"	79° 54' 10"	Concrete	227	Chain	18.3	14	2
C-8a	9299.500	DD1	DD1	ON	6035	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.60	46° 13' 57"	79° 48' 16"	Concrete	227	Chain	9.1	14	2
C-8a	9299.700	DD3	DD3	ON	6035	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.60	46° 14' 36"	79° 50' 42"	Concrete	227	Chain	9.1	14	2
C-8a	9300.000	E	E WEST CARDINAL	ON	6035	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Yellow-black-yellow	Seasonal (in place year round)	6.00	46° 12' 38"	79° 38' 59"	Concrete	227	Chain	13.7	14	2
C-8a	9301.000	E1	E1	ON	6035	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	46° 11' 26"	79° 38' 15"	Concrete	227	Chain	13.7	14	2
C-8a	9302.000	E2	E2	ON	6035	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	46° 10' 6"	79° 37' 48"	Concrete	227	Chain	13.7	14	2
C-8a	9303.000	E3	E3	ON	6035	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.10	46° 10' 49"	79° 37' 37"	Concrete	227	Chain	13.7	14	2
C-8a	9304.000	E4	E4	ON	6035	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	46° 9' 18"	79° 36' 33"	Concrete	227	Chain	13.7	14	2
C-8a	9305.000	E5	E5	ON	6035	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	46° 8' 49"	79° 35' 30"	Concrete	227	Chain	13.7	14	2
C-8a	9306.000	E6	E6	ON	6035	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	46° 8' 3"	79° 34' 3"	Concrete	227	Chain	4.6	14	2
C-8a	9307.000	E8	E8	ON	6035	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	46° 7' 47"	79° 32' 56"	Concrete	227	Chain	4.6	14	2
C-8a	9308.000	EA1	EA1	ON	6035	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	46° 8' 7"	79° 35' 0"	Concrete	227	Chain	9.1	14	2
C-8a	9309.000	EA2	EA2	ON	6035	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	0° 0' 0"	0° 0' 0"	Concrete	227	Chain	4.6	14	2
C-8a	9310.000	EA3	EA3	ON	6035	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	0° 0' 0"	0° 0' 0"	Concrete	227	Chain	4.6	14	2
C-8a	9311.000	EA4	EA4	ON	6035	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	0° 0' 0"	0° 0' 0"	Concrete	227	Chain	4.6	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-8a	9312.000	EA5	EA5	ON	6035	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	0° 0' 0"	0° 0' 0"	Concrete	227	Chain	4.6	14	2
C-8a	9313.000	EC1	EC1	ON	6035	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	46° 11' 42"	79° 34' 7"	Concrete	227	Chain	9.1	14	2
C-8a	9314.000	EC2	EC2	ON	6035	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	46° 9' 43"	79° 34' 3"	Concrete	227	Chain	13.7	14	2
C-8a	9315.000	EC3	EC3	ON	6035	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	46° 10' 56"	79° 34' 8"	Concrete	227	Chain	13.7	14	2
C-8a	9316.000	EJ	EJ NORTH CARDINAL	ON	6035	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-yellow	Seasonal (in place year round)	15.00	46° 12' 53.5"	79° 36' 10"	Concrete	227	Chain	27.4	14	2
C-8a	9317.000	H	H SOUTH CARDINAL	ON	6037	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Yellow-black	Seasonal (in place year round)	4.60	46° 16' 33"	79° 59' 38.4"	Concrete	227	Chain	9.1	14	2
C-8a	9318.000	H1	H1	ON	6037	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	46° 17' 9"	80° 4' 4"	Concrete	227	Chain	4.6	14	2
C-8a	9318.010	W1	W1	ON	6037	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	46° 15' 20"	80° 2' 38"	Concrete	227	Chain	9.1	14	2
C-8a	9318.020	W2	W2	ON	6037	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	46° 15' 25"	80° 2' 39"	Concrete	227	Chain	9.1	14	2
C-8a	9318.030	W4	W4	ON	6037	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.40	46° 15' 18"	80° 3' 12"	Concrete	227	Chain	9.1	14	2
C-8a	9318.040	W5	W5	ON	6037	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.70	46° 15' 8"	80° 3' 40"	Concrete	227	Chain	9.1	14	2
C-8a	9318.050	W6	W6	ON	6037	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	46° 15' 10"	80° 3' 43"	Concrete	227	Chain	9.1	14	2
C-8a	9318.060	W8	W8	ON	6037	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	46° 14' 51"	80° 4' 18"	Concrete	227	Chain	9.1	14	2
C-8a	9318.070	W9	W9	ON	6037	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	46° 14' 45"	80° 4' 34"	Concrete	227	Chain	9.1	14	2
C-8a	9318.080	W10	W10	ON	6037	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.30	46° 14' 41"	80° 4' 46"	Concrete	227	Chain	9.1	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-8a	9318.090	W13	W13	ON	6037	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.70	46° 14' 21"	80° 5' 29"	Concrete	227	Chain	9.1	14	2
C-8a	9318.100	W14	W14	ON	6037	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.50	46° 14' 18"	80° 5' 57"	Concrete	227	Chain	9.1	14	2
C-8a	9318.110	W16	W16	ON	6037	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.70	46° 14' 9"	80° 7' 1"	Concrete	227	Chain	4.6	14	2
C-8a	9318.120	W18	W18	ON	6037	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.70	46° 14' 3"	80° 7' 56"	Concrete	227	Chain	4.6	14	2
C-8a	9318.130	W19	W19	ON	6037	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.30	46° 13' 59"	80° 9' 16"	Concrete	227	Chain	4.6	14	2
C-8a	9318.140	W22	W22	ON	6037	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	46° 13' 41"	80° 9' 50"	Concrete	227	Chain	4.6	14	2
C-8a	9318.150	W23	W23	ON	6037	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.90	46° 13' 42"	80° 10' 3"	Concrete	227	Chain	4.6	14	2
C-8a	9318.160	W24	W24	ON	6037	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	46° 13' 35"	80° 10' 16"	Concrete	227	Chain	4.6	14	2
C-8a	9318.170	W27	W27	ON	6037	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.10	46° 13' 31"	80° 11' 12"	Concrete	227	Chain	13.7	14	2
C-8a	9318.180	W31	W31	ON	6037	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.50	46° 13' 27"	80° 12' 28"	Concrete	227	Chain	13.7	14	2
C-8a	9318.190	W32	W32	ON	6037	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.60	46° 13' 24"	80° 12' 44"	Concrete	227	Chain	9.1	14	2
C-8a	9318.200	W34	W34	ON	6037	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	46° 13' 26"	80° 13' 3"	Concrete	227	Chain	9.1	14	2
C-8a	9318.210	W35	W35	ON	6038	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	46° 13' 19"	80° 13' 33"	Concrete	227	Chain	9.1	14	2
C-8a	9318.220	W36	W36	ON	6038	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.60	46° 13' 20"	80° 13' 33"	Concrete	227	Chain	9.1	14	2
C-8a	9318.230	W40	W40	ON	6038	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.50	46° 13' 18"	80° 15' 6"	Concrete	227	Chain	9.1	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-8a	9318.240	W42	W42	ON	6038	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.60	46° 13' 22.5"	80° 15' 59"	Concrete	227	Chain	9.1	14	2
C-8a	9318.250	W45	W45	ON	6038	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.60	46° 13' 18"	80° 16' 56"	Concrete	227	Chain	13.7	14	2
C-8a	9318.260	W47	W47	ON	6038	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.60	46° 13' 16"	80° 17' 24"	Concrete	227	Chain	13.7	14	2
C-8a	9318.270	W49	W49	ON	6038	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.60	46° 13' 19"	80° 18' 4"	Concrete	227	Chain	9.1	14	2
C-8a	9319.000	J4	J4	ON	6035	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	46° 12' 10"	79° 30' 58"	Concrete	227	Chain	9.1	14	2
C-8a	9320.000	J6	J6	ON	6035	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	46° 12' 38"	79° 28' 28"	Concrete	227	Chain	9.1	14	2
C-8a	9321.000	J8	J8	ON	6035	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	46° 12' 32"	79° 28' 6"	Concrete	227	Chain	9.1	14	2
C-8a	9322.000	J9	J9	ON	6035	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	46° 12' 28"	79° 27' 13"	Concrete	227	Chain	9.1	14	2
C-8a	9323.000	J11	J11	ON	6035	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	46° 12' 19"	79° 26' 53"	Concrete	227	Chain	9.1	14	2
C-8a	9324.000	J13	J13	ON	6035	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	1.00	46° 12' 56"	79° 21' 54"	Concrete	91	Chain	3	14	2
C-8a	9325.000	K2	K2	ON	6035	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	46° 14' 24"	79° 25' 58.5"	Concrete	227	Chain	9.1	14	2
C-8a	9325.500	K5	K5	ON	6035	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.70	46° 14' 32"	79° 25' 38"	Concrete	227	Chain	4.6	14	2
C-8a	9326.000	K6	K6	ON	6035	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	1.00	46° 14' 31"	79° 25' 30.5"	Concrete	227	Chain	4.6	14	2
C-8a	9327.000	K8	K8	ON	6035	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	1.00	46° 14' 50"	79° 25' 5"	Concrete	91	Chain	4.6	14	2
C-8a	9328.000	KA2	KA2	ON	6035	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	46° 15' 43"	79° 26' 49"	Concrete	227	Chain	9.1	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-8a	9328.900	V1	Veuve River Ent. V1	ON	6037	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	46° 19' 39.5"	80° 1' 17"	Concrete	91	Chain	3	14	2
C-8a	8941.000	UV5	UV5	ON	2268	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	46° 10' 58.7"	80° 21' 26.8"	Concrete	341	Chain	4.6	14	2
C-8b	1404.800	N16	Elsinore Island light buoy N16	ON	6022	Night	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	13.00	45° 9' 43.433"	79° 43' 39.694"	Concrete	227	Chain	18.3	14	2
C-8b	1406.000	N10	Black Forest Island light buoy N10	ON	6022	Night	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	45° 7' 31.082"	79° 40' 56.826"	Concrete	341	Chain	9.1	14	2
C-8b	9025.000	K35	K35	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 8' 57"	79° 39' 58"	Concrete	227	Chain	4.6	14	2
C-8b	9026.000	K37	K37	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	45° 9' 27"	79° 40' 44"	Concrete	341	Chain	4.6	14	2
C-8b	9027.000	K38	K38	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	45° 9' 27"	79° 40' 44"	Concrete	341	Chain	4.6	14	2
C-8b	9028.000	K39	K39	ON	6022	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal (in place year round)	1.00	45° 9' 27"	79° 40' 44"	Concrete	227	Chain	2.1	14	2
C-8b	9029.000	K40	K40	ON	6022	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal (in place year round)	1.00	45° 9' 27"	79° 40' 44"	Concrete	227	Chain	2.1	14	2
C-8b	9032.000	K43	K43	ON	6022	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal (in place year round)	1.80	45° 9' 27"	79° 40' 44"	Concrete	227	Chain	4.6	14	2
C-8b	9033.000	K44	K44	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	45° 9' 27"	79° 40' 44"	Concrete	91	Chain	4.6	14	2
C-8b	9034.000	K45	K45	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 9' 43"	79° 41' 11"	Concrete	227	Chain	4.6	14	2
C-8b	9035.000	K47	K47	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	45° 9' 51"	79° 41' 19"	Concrete	227	Chain	4.6	14	2
C-8b	9036.000	K48	K48	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	45° 9' 52"	79° 41' 19"	Concrete	91	Chain	3	14	2
C-8b	9037.000	K49	K49	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	1.80	45° 9' 57.476"	79° 41' 39.732"	Concrete	227	Chain	4.6	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-8b	9038.000	K50	K50	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	1.80	45° 9' 58.911"	79° 41' 38.607"	Concrete	227	Chain	4.6	14	2
C-8b	9039.000	K52	K52	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 10' 1.655"	79° 41' 43.092"	Concrete	341	Chain	9.1	14	2
C-8b	9040.000	K54	K54	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	45° 10' 23.947"	79° 41' 28.573"	Concrete	227	Chain	9.1	14	2
C-8b	9043.000	KP	KP	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-red-black	Seasonal (in place year round)	3.00	45° 8' 47.325"	79° 40' 1.352"	Concrete	227	Chain	4.6	14	2
C-8b	9044.000	N4	N4	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 6' 54.202"	79° 37' 20.184"	Concrete	227	Chain	4.6	14	2
C-8b	9045.000	N5	N5	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 6' 53.048"	79° 37' 16.586"	Concrete	227	Chain	4.6	14	2
C-8b	9046.000	N6	N6	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 6' 29.423"	79° 37' 56.38"	Concrete	227	Chain	4.6	14	2
C-8b	9047.000	N8	N8	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	45° 6' 38.256"	79° 38' 56.299"	Concrete	227	Chain	7	14	2
C-8b	9048.000	N13	N13	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.60	45° 9' 24.958"	79° 43' 45.015"	Concrete	227	Chain	13.7	14	2
C-8b	9049.000	N21	N21	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 13' 36.045"	79° 45' 37.064"	Concrete	227	Chain	9.1	14	2
C-8b	9050.000	N22	N22	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 13' 41.651"	79° 45' 34.157"	Concrete	227	Chain	9.1	14	2
C-8b	9052.000	NA2	NA2	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	45° 6' 34.981"	79° 39' 41.531"	Concrete	341	Chain	9.1	14	2
C-8b	9053.000	NA4	NA4	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 6' 32.589"	79° 39' 32.665"	Concrete	227	Chain	4.6	14	2
C-8b	9054.000	NC2	NC2	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 10' 18.399"	79° 42' 44.277"	Concrete	227	Chain	4.6	14	2
C-8b	9055.000	NC4	NC4	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 10' 21.448"	79° 42' 52.139"	Concrete	227	Chain	4.6	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-8b	9055.500	NC6	NC6	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 10' 33.193"	79° 43' 3.294"	Concrete	227	Chain	4.6	14	2
C-8b	9056.000	ND1	ND1	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 6' 20.489"	79° 36' 46.702"	Concrete	227	Chain	4.6	14	2
C-8b	9057.000	NE1	NE1	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 8' 19.418"	79° 42' 39.794"	Concrete	227	Chain	4.6	14	2
C-8b	9057.500	NE2	NE2	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	45° 8' 27.726"	79° 42' 31.535"	Concrete	227	Chain	9.1	14	2
C-8b	9058.000	NE3	NE3	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 8' 26.589"	79° 42' 46.677"	Concrete	341	Chain	9.1	14	2
C-8b	9059.000	NH2	NH2	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.70	45° 8' 1.593"	79° 43' 51.486"	Concrete	227	Chain	4.6	14	2
C-8b	9061.000	NJ2	NJ2	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 8' 41.249"	79° 41' 46.178"	Concrete	227	Chain	9.1	14	2
C-8b	9062.000	NJ3	NJ3	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 8' 48.597"	79° 41' 54.471"	Concrete	227	Chain	4.6	14	2
C-8b	9063.000	NK2	NK2	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 8' 48.698"	79° 42' 10.572"	Concrete	227	Chain	4.6	14	2
C-8b	9065.000	NM1	NM1	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 9' 42.131"	79° 42' 48"	Concrete	227	Chain	4.6	14	2
C-8b	9065.500	NM2	NM2	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 9' 39.691"	79° 42' 45.487"	Concrete	227	Chain	9.1	14	2
C-8b	9066.000	NM4	NM4	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 9' 46.274"	79° 42' 38.734"	Concrete	227	Chain	9.1	14	2
C-8b	9068.000	NM8	NM8	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 9' 55.058"	79° 42' 23.265"	Concrete	91	Chain	4.6	14	2
C-8b	9069.000	NM9	NM9	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	1.00	45° 9' 56.8"	79° 42' 18.669"	Concrete	227	Chain	4.6	14	2
C-8b	9070.000	NM10	NM10	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	45° 9' 55.733"	79° 42' 17.687"	Concrete	227	Chain	4.6	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-8b	9071.000	NM11	NM11	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	45° 9' 59.036"	79° 42' 16.663"	Concrete	227	Chain	4.6	14	2
C-8b	9072.000	NM13	NM13	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 10' 20.221"	79° 43' 11.843"	Concrete	341	Chain	4.6	14	2
C-8b	9073.000	NM14	NM14	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.10	45° 10' 30.046"	79° 43' 25.906"	Concrete	227	Chain	9.1	14	2
C-8b	9074.000	NN	NN	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Yellow-black-yellow	Seasonal (in place year round)	3.00	45° 13' 4.392"	79° 43' 49.78"	Concrete	227	Chain	4.6	14	2
C-8b	9076.000	NP2	NP2	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	9.00	45° 9' 30"	79° 43' 3"	Concrete	227	Chain	13.7	14	2
C-8b	9077.000	NP3	NP3	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	12.20	45° 9' 33.6"	79° 43' 10.2"	Concrete	227	Chain	18.3	14	2
C-8b	9078.000	NP4	NP4	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	45° 9' 34.2"	79° 43' 8.4"	Concrete	227	Chain	9.1	14	2
C-8b	9079.000	NP6	NP6	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	45° 10' 14.099"	79° 43' 42.019"	Concrete	227	Chain	9.1	14	2
C-8b	9080.000	NP8	NP8	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	45° 10' 17.951"	79° 43' 32.807"	Concrete	341	Chain	9.1	14	2
C-8b	9082.000	NQ1	NQ1	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	1.00	45° 11' 48.716"	79° 45' 42.478"	Concrete	227	Chain	4.6	14	2
C-8b	9083.000	NQ2	NQ2	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	1.00	45° 11' 49.923"	79° 45' 45.766"	Concrete	227	Chain	4.6	14	2
C-8b	9084.000	NQ4	NQ4	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 11' 44.338"	79° 45' 57.971"	Concrete	227	Chain	4.6	14	2
C-8b	9085.000	NQ5	NQ5	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 12' 5.626"	79° 47' 2.624"	Concrete	227	Chain	4.6	14	2
C-8b	9086.000	NQ6	NQ6	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 12' 7.172"	79° 47' 3.683"	Concrete	227	Chain	4.6	14	2
C-8b	9087.500	NT1	NT1	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	9.10	45° 10' 45.608"	79° 45' 22.165"	Concrete	341	Chain	13.7	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-8b	9089.000	P3	P3	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 8' 10.91"	79° 40' 35.184"	Concrete	91	Chain	4.6	14	2
C-8b	9089.100	P3/1	P3/1	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Temporary	5.50	45° 8' 9"	79° 40' 36"	Concrete	227	Chain	9.1	14	2
C-8b	9090.000	P4	P4	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 8' 9.46"	79° 40' 30.575"	Concrete	227	Chain	4.6	14	2
C-8b	9090.500	P6	P6	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	45° 8' 27.976"	79° 40' 30.178"	Concrete	227	Chain	9.1	14	2
C-8b	9091.000	P8	P8	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 8' 55.117"	79° 41' .701"	Concrete	227	Chain	4.6	14	2
C-8b	9092.000	P7	P7	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 9' 25.859"	79° 42' 31.631"	Concrete	341	Chain	4.6	14	2
C-8b	9093.000	P9	P9	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 9' 32.993"	79° 42' 25.751"	Concrete	341	Chain	4.6	14	2
C-8b	9094.000	P11	P11	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	45° 9' 34.9998"	79° 42' 16.9998"	Concrete	91	Chain	4.6	14	2
C-8b	9095.000	P12	P12	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	45° 9' 35"	79° 42' 15"	Concrete	227	Chain	4.6	14	2
C-8b	9096.000	P13	P13	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 9' 9.65"	79° 42' 42.25"	Concrete	227	Chain	4.6	14	2
C-8b	9097.000	P14	P14	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	45° 9' 39"	79° 42' 11"	Concrete	341	Chain	4.6	14	2
C-8b	9098.000	P15	P15	ON	6022	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal (in place year round)	4.00	45° 9' 49.88"	79° 42' 11.981"	Concrete	91	Chain	4.6	14	2
C-8b	9102.000	P21	P21	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	45° 10' 44.3"	79° 41' 51.42"	Concrete	227	Chain	3	14	2
C-8b	9103.000	P22	P22	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	45° 10' 42.794"	79° 41' 48.6"	Concrete	227	Chain	4.6	14	2
C-8b	9105.000	P25	P25	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 11' 13.51"	79° 41' 25.399"	Concrete	341	Chain	4.6	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-8b	9106.000	P26	P26	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	45° 11' 13.356"	79° 41' 22.792"	Concrete	227	Chain	4.6	14	2
C-8b	9107.000	P27	P27	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	45° 11' 34.506"	79° 40' 57.922"	Concrete	227	Chain	4.6	14	2
C-8b	9107.500	P28	P28	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.10	45° 12' 28.308"	79° 40' 59.758"	Concrete	227	Chain	9.1	14	2
C-8b	9108.000	PA2	PA2	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	9.00	45° 11' 8.293"	79° 43' .692"	Concrete	227	Chain	9.1	14	2
C-8b	9108.500	PP	PP	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Yellow-black-yellow	Seasonal (in place year round)	2.10	45° 9' 57.226"	79° 41' 53.174"	Concrete	227	Chain	4.6	14	2
C-8b	9110.000	PE	PE	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Yellow-black	Seasonal (in place year round)	5.00	45° 11' 1.288"	79° 43' 36.224"	Concrete	227	Chain	9.1	14	2
C-8b	9111.000	PH	PH	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-yellow	Seasonal (in place year round)	4.60	45° 11' 7.431"	79° 43' 33.426"	Concrete	227	Chain	9.1	14	2
C-8b	9113.000	YN	YN	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Yellow	Seasonal (in place year round)	6.00	45° 7' 32.879"	79° 40' 48.104"	Concrete	341	Chain	9.1	14	2
C-8b	9114.000	YNA	YNA	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Yellow	Seasonal (in place year round)	4.00	45° 7' 40.719"	79° 41' 7.155"	Concrete	227	Chain	4.6	14	2
C-8b	9115.000	YNE	YNE	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Yellow	Seasonal (in place year round)	3.00	45° 8' 18.747"	79° 42' 49.944"	Concrete	227	Chain	4.6	14	2
C-8b	9116.000	YNN	YNN	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Yellow	Seasonal (in place year round)	6.00	45° 9' 55.019"	79° 43' 25.603"	Concrete	227	Chain	9.1	14	2
C-8b	9117.000	YNM	YNM	ON	6022	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Yellow	Seasonal (in place year round)	4.00	45° 9' 43.811"	79° 42' 58.282"	Concrete	91	Chain	9.1	14	2
C-8b	9119.000	YP	YP	ON	6022	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Yellow	Seasonal (in place year round)	2.00	45° 10' 40.568"	79° 41' 30.046"	Concrete	91	Chain	4.6	14	2
C-8b	9120.000	YPA	YPA	ON	6022	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Yellow	Seasonal (in place year round)	5.00	45° 11' 13.222"	79° 43' 5.086"	Concrete	91	Chain	9.1	14	2
C-8b	1395.500	K15	Lakeview Park Island light buoy K15	ON	6022	Night	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 7' 42"	79° 34' 36"	Concrete	341	Chain	4.6	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-8b	1395.600	K9	Lakeview Park Island East light buoy K9	ON	6022	Night	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	45° 7' 37"	79° 34' 21"	Concrete	341	Chain	7	14	2
C-8b	1397.100	M2/2	Baker Shoal light buoy M2/2	ON	6022	Night	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)		45° 8' 11"	79° 33' 58"	Concrete	227	Chain	13.7	14	2
C-8b	9329.000	K2	K2	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	45° 7' 6.5"	79° 34' 34"	Concrete	227	Chain	4.6	14	2
C-8b	9330.000	K4	K4	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	45° 7' 6"	79° 34' 33"	Concrete	341	Chain	4.6	14	2
C-8b	9331.000	K5	K5	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	45° 7' 9"	79° 34' 31"	Concrete	227	Chain	4.6	14	2
C-8b	9332.000	K6	K6	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	1.80	45° 7' 9"	79° 34' 30.7"	Concrete	227	Chain	4.6	14	2
C-8b	9333.000	K7	K7	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	45° 7' 27.928"	79° 34' 20.769"	Concrete	227	Chain	9.1	14	2
C-8b	9334.000	K11	K11	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 7' 41"	79° 34' 35"	Concrete	227	Chain	4.6	14	2
C-8b	9335.000	K12	K12	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 7' 41"	79° 34' 34"	Concrete	227	Chain	4.6	14	2
C-8b	9336.000	K14	K14	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 7' 46"	79° 34' 38"	Concrete	227	Chain	4.6	14	2
C-8b	9337.000	K17	K17	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	45° 8' 17.646"	79° 34' 40.564"	Concrete	91	Chain	9.1	14	2
C-8b	9338.000	K19	K19	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 8' 12.33"	79° 34' 57.743"	Concrete	227	Chain	4.6	14	2
C-8b	9339.000	K21	K21	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 8' 14"	79° 36' 30"	Concrete	227	Chain	4.6	14	2
C-8b	9340.000	K22	K22	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 8' 14"	79° 36' 32"	Concrete	227	Chain	4.6	14	2
C-8b	9341.000	K23	K23	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 8' 10"	79° 36' 37"	Concrete	227	Chain	4.6	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-8b	9342.000	K24	K24	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	1.80	45° 8' 11"	79° 36' 38"	Concrete	91	Chain	1.8	14	2
C-8b	9343.000	K25	K25	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 8' 11"	79° 36' 41"	Concrete	227	Chain	4.6	14	2
C-8b	9344.000	K26	K26	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 8' 14.043"	79° 36' 43.839"	Concrete	227	Chain	4.6	14	2
C-8b	9345.000	K27	K27	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	45° 8' 10"	79° 37' 28"	Concrete	227	Chain	4.6	14	2
C-8b	9345.100	K27/1	K27/1	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.70	45° 8' 10"	79° 36' 43.5"	Concrete	91	Chain	4.6	14	2
C-8b	9346.000	K28	K28	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	1.80	45° 8' 10.6"	79° 37' 28"	Concrete	227	Chain	4.6	14	2
C-8b	9347.000	K30	K30	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	45° 8' 25.858"	79° 38' 49.702"	Concrete	91	Chain	9.1	14	2
C-8b	9348.000	K32	K32	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 8' 26.881"	79° 39' 4.049"	Concrete	91	Chain	4.6	14	2
C-8b	9349.000	K33	K33	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 8' 46.06"	79° 39' 40.395"	Concrete	227	Chain	9.1	14	2
C-8b	9350.000	K34	K34	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 8' 53.253"	79° 39' 48.009"	Concrete	91	Chain	4.6	14	2
C-8b	9352.000	KA6	KA6	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 8' 57.61"	79° 35' 6.558"	Concrete	91	Chain	4.6	14	2
C-8b	9353.000	KA5	KA5	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	1.00	45° 8' 56.087"	79° 35' 8.31"	Concrete	227	Chain	3	14	2
C-8b	9353.500	KA7	KA7	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 9' 13.089"	79° 35' 17.168"	Concrete	227	Chain	6.1	14	2
C-8b	9354.000	KA9	KA9	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.40	45° 9' 24.019"	79° 35' 24.543"	Concrete	227	Chain	4.6	14	2
C-8b	9355.000	KA12	KA12	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 10' 9.0858"	79° 37' 8.286"	Concrete	227	Chain	9.1	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-8b	9356.000	KC2	KC2	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	45° 8' 35.657"	79° 35' 18.644"	Concrete	227	Chain	9.1	14	2
C-8b	9362.000	KD2	KD2	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 8' 49.041"	79° 35' 39.184"	Concrete	227	Chain	4.6	14	2
C-8b	9362.500	KD4	KD4	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	9.10	45° 8' 51.589"	79° 35' 49.98"	Concrete	227	Chain	13.7	14	2
C-8b	9363.000	KE	KE	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-yellow	Seasonal (in place year round)	7.60	45° 9' 20.533"	79° 35' 45.687"	Concrete	227	Chain	13.7	14	2
C-8b	9364.000	KE3	KE3	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 9' 5.067"	79° 38' 36.277"	Concrete	227	Chain	4.6	14	2
C-8b	9365.000	KE4	KE4	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	45° 9' 11.328"	79° 38' 36.989"	Concrete	227	Chain	4.6	14	2
C-8b	9366.000	KE5	KE5	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 9' 20.578"	79° 38' 42.236"	Concrete	227	Chain	4.6	14	2
C-8b	9367.000	KE7	KE7	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 9' 41.076"	79° 38' 47.8698"	Concrete	227	Chain	4.6	14	2
C-8b	9368.000	KE9	KE9	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	45° 9' 49.389"	79° 38' 44.2182"	Concrete	227	Chain	4.6	14	2
C-8b	9369.000	KH	KH	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-yellow	Seasonal (in place year round)	9.10	45° 9' 21.819"	79° 35' 55.285"	Concrete	227	Chain	13.7	14	2
C-8b	9371.000	KH3	KH3	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 9' 44.093"	79° 38' 2.364"	Concrete	227	Chain	4.6	14	2
C-8b	9372.000	KH5	KH5	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	45° 9' 50.396"	79° 38' 11.451"	Concrete	227	Chain	4.6	14	2
C-8b	9373.000	KH6	KH6	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	45° 9' 51.991"	79° 38' 12.516"	Concrete	227	Chain	4.6	14	2
C-8b	9374.000	KJ	KJ	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-yellow-black	Seasonal (in place year round)	6.00	45° 10' 4.652"	79° 37' 54.52"	Concrete	227	Chain	9.1	14	2
C-8b	9375.000	KK	KK	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-red-black	Seasonal (in place year round)	9.00	45° 8' 44.405"	79° 37' 21.954"	Concrete	227	Chain	13.7	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-8b	9377.000	M2	M2	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	45° 8' 12"	79° 33' 56.287"	Concrete	227	Chain	9.1	14	2
C-8b	9378.000	M3	M3	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 8' 56.34"	79° 33' 40.723"	Concrete	227	Chain	9.1	14	2
C-8b	9378.500	M4	M4	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 8' 50.911"	79° 33' 32.663"	Concrete	227	Chain	4.6	14	2
C-8b	9379.000	M5	M5	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 9' 6.732"	79° 33' 54.136"	Concrete	227	Chain	4.6	14	2
C-8b	9380.000	M6	M6	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	45° 9' 59.196"	79° 33' 44.754"	Concrete	227	Chain	9.1	14	2
C-8b	9381.000	M7	M7	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 9' 15.64"	79° 33' 59.355"	Concrete	227	Chain	4.6	14	2
C-8b	9382.000	M9	M9	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 10' 15.748"	79° 34' 14.848"	Concrete	227	Chain	4.6	14	2
C-8b	9384.000	M12	M12	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 14' 46.516"	79° 38' 20.192"	Concrete	227	Chain	4.6	14	2
C-8b	9385.000	M13	M13	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 14' 45.833"	79° 38' 14.403"	Concrete	227	Chain	4.6	14	2
C-8b	9386.000	MA2	MA2	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.10	45° 7' 57.157"	79° 34' 9.004"	Concrete	227	Chain	9.1	14	2
C-8b	9387.000	MA4	MA4	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 7' 36.729"	79° 33' 22.714"	Concrete	227	Chain	4.6	14	2
C-8b	9388.000	MA6	MA6	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 7' 18.489"	79° 33' 15.284"	Concrete	227	Chain	4.6	14	2
C-8b	9389.000	MC1	MC1	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 7' 20.906"	79° 32' 23.525"	Concrete	227	Chain	4.6	14	2
C-8b	9390.000	MC2	MC2	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 7' 19.979"	79° 32' 25.305"	Concrete	227	Chain	4.6	14	2
C-8b	9391.000	MC4	MC4	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	45° 7' 14.691"	79° 31' 59.058"	Concrete	227	Chain	3	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-8b	9391.500	MD	MD	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Yellow-black	Seasonal (in place year round)	3.00	45° 9' 27.162"	79° 31' 43.687"	Concrete	227	Chain	4.6	14	2
C-8b	9392.000	MD1	MD1	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 7' 57.714"	79° 32' 15.75"	Concrete	227	Chain	4.6	14	2
C-8b	9396.000	MH2	MH2	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 8' 18.588"	79° 34' 8.412"	Concrete	227	Chain	9.1	14	2
C-8b	9397.000	MH4	MH4	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	45° 8' 24.208"	79° 34' 6.693"	Concrete	227	Chain	7.6	14	2
C-8b	9397.500	MJ	MJ	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-yellow	Seasonal (in place year round)	3.90	45° 12' 19.094"	79° 36' 54.768"	Concrete	227	Chain	9.1	14	2
C-8b	9398.000	MJ2	MJ2	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 13' 55.806"	79° 38' 54.273"	Concrete	227	Chain	4.6	14	2
C-8b	9399.000	MJ4	MJ4	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 13' 54.049"	79° 38' 58.106"	Concrete	227	Chain	4.6	14	2
C-8b	9401.000	MN1	MN1	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.60	45° 7' 30.231"	79° 32' 29.285"	Concrete	91	Chain	9.1	14	2
C-8b	9403.000	MQ	MQ	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Yellow-black-yellow	Seasonal (in place year round)	6.00	45° 9' 21.082"	79° 32' 52.867"	Concrete	227	Chain	9.1	14	2
C-8b	9403.500	MU	MU	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-yellow-black	Seasonal (in place year round)	4.60	45° 9' 20.8"	79° 31' 52.176"	Concrete	227	Chain	9.1	14	2
C-8b	9406.000	MV	MV	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-red-black	Seasonal (in place year round)	6.00	45° 11' 47.693"	79° 34' 50.432"	Concrete	227	Chain	9.1	14	2
C-8b	9407.000	N1	N1	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	45° 7' 40.611"	79° 37' 52.627"	Concrete	227	Chain	9.1	14	2
C-8b	9408.000	YK	YK	ON	6022	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Yellow	Seasonal (in place year round)	2.00	45° 8' 34.22"	79° 34' 34.717"	Concrete	227	Chain	3	14	2
C-8b	9409.000	YKC	YKC	ON	6022	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Yellow	Seasonal (in place year round)	1.00	45° 8' 35.648"	79° 34' 52.666"	Concrete	91	Chain	3	14	2
C-8b	9411.000	YM	YM	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Yellow	Seasonal (in place year round)	3.00	45° 8' 34.568"	79° 33' 55.353"	Concrete	91	Chain	3	14	2

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BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-8b	9412.000	YMQ	YMQ	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Yellow	Seasonal (in place year round)	3.00	45° 9' 4.687"	79° 32' 34.492"	Concrete	227	Chain	3	14	2
C-8b	9413.000	YMV	YMV	ON	6022	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Yellow	Seasonal (in place year round)	3.00	45° 9' 9.524"	79° 32' 18.092"	Concrete	91	Chain	3	14	2
C-8c	1377.800	EM2	Shantyman Point light buoy EM2	ON	6021	Night	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	9.10	44° 57' 5.538"	79° 24' 34.08"	Concrete	227	Chain	13.7	14	2
C-8c	1382.000	EE1	Muskoka River Entrance light buoy EE1	ON	6021	Night	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 1' 25.686"	79° 23' 57.016"	Concrete	341	Chain	4.6	14	2
C-8c	1383.000	EC2	The Cut, North Entrance Muskoka River light buoy EC2	ON	6021	Night	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 2' 2.615"	79° 23' 51.491"	Concrete	227	Chain	4.6	14	2
C-8c	1395.300	A20	Hanna Point Light Buoy A20	ON	6021	Night	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Temporary		45° 5' 39.3"	79° 33' 39.18"	Concrete	227	Chain	9.1	14	1
C-8c	9121.000	A1	A1	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 0' 43.79"	79° 35' 49.36"	Concrete	227	Chain	4.6	14	2
C-8c	9122.000	A3	A3	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 0' 38.646"	79° 35' 39.437"	Concrete	227	Chain	4.6	14	2
C-8c	9123.000	A5	A5	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 0' 55.518"	79° 34' 53.289"	Concrete	227	Chain	4.6	14	2
C-8c	9124.000	A9	A9	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 1' 18.5"	79° 34' 59.209"	Concrete	227	Chain	4.6	14	2
C-8c	9125.000	A10	A10	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 1' 18.185"	79° 34' 55.062"	Concrete	227	Chain	4.6	14	2
C-8c	9126.000	A12	A12	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	45° 1' 56.582"	79° 34' 41.634"	Concrete	227	Chain	6.1	14	2
C-8c	9126.500	A15	A15	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.60	45° 4' 15.051"	79° 31' 51.245"	Concrete	91	Chain	9.1	14	2
C-8c	9127.000	A21	A21	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 5' 55.84"	79° 33' 56.388"	Concrete	227	Chain	4.6	14	2
C-8c	9128.000	A23	A23	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 6' 10"	79° 34' 0"	Concrete	227	Chain	4.6	14	2

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BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-8c	9129.000	A25	A25	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 6' 17"	79° 34' 11"	Concrete	227	Chain	4.6	14	2
C-8c	9130.000	A26	A26	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 6' 36"	79° 34' 30"	Concrete	227	Chain	4.6	14	2
C-8c	9131.000	A28	A28	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	45° 6' 40"	79° 34' 34"	Concrete	341	Chain	4.6	14	2
C-8c	9132.000	A29	A29	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 6' 40"	79° 34' 55"	Concrete	227	Chain	4.6	14	2
C-8c	9133.000	A30	A30	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 6' 52"	79° 34' 55"	Concrete	227	Chain	4.6	14	2
C-8c	9134.000	A32	A32	ON	6022	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 6' 56"	79° 34' 55"	Concrete	227	Chain	4.6	14	2
C-8c	9135.000	A33	A33	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 6' 0"	79° 34' 50"	Concrete	341	Chain	4.6	14	2
C-8c	9136.000	A35	A35	ON	6022	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 7' 3"	79° 34' 48"	Concrete	227	Chain	4.6	14	2
C-8c	9138.000	AA2	AA2	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 3' 10.825"	79° 31' 19.13"	Concrete	91	Chain	4.6	14	2
C-8c	9139.000	AA3	AA3	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 3' 43.836"	79° 30' 57.331"	Concrete	227	Chain	4.6	14	2
C-8c	9139.500	AA4	AA4	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 3' 17.878"	79° 31' 9.469"	Concrete	227	Chain	4.6	14	2
C-8c	9141.000	AC1	AC1	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	44° 59' 59.655"	79° 35' 33.4"	Concrete	227	Chain	4.6	14	2
C-8c	9142.000	AD2	AD2	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 59' 59.704"	79° 34' 47.543"	Concrete	227	Chain	4.6	14	2
C-8c	9143.000	AD4	AD4	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 0' 37.723"	79° 34' 36.638"	Concrete	227	Chain	4.6	14	2
C-8c	9144.000	AE2	AE2	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.90	45° 2' 22.042"	79° 34' 5.489"	Concrete	341	Chain	9.1	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-8c	9145.000	AE3	AE3	ON	6021	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal (in place year round)	1.00	45° 2' 28.025"	79° 33' 35.186"	Concrete	227	Chain	4.6	14	2
C-8c	9146.000	AE4	AE4	ON	6021	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal (in place year round)	1.00	45° 2' 26.701"	79° 33' 36.352"	Concrete	227	Chain	4.6	14	2
C-8c	9147.000	AE5	AE5	ON	6021	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal (in place year round)	1.00	45° 2' 26.628"	79° 33' 33.192"	Concrete	227	Chain	3	14	2
C-8c	9148.000	AE6	AE6	ON	6021	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal (in place year round)	1.80	45° 2' 25.762"	79° 33' 31.17"	Concrete	227	Chain	4.6	14	2
C-8c	9149.000	AE9	AE9	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.80	45° 1' 40.918"	79° 32' 19.82"	Concrete	227	Chain	9.1	14	2
C-8c	9149.500	AE11	AE11	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.10	45° 1' 3.549"	79° 31' 56.892"	Concrete	227	Chain	4.6	14	2
C-8c	9151.000	AH2	AH2	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 1' 36.988"	79° 33' 3.97"	Concrete	227	Chain	4.6	14	2
C-8c	9153.000	AJ2	AJ2	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 0' 37.006"	79° 36' 39.062"	Concrete	227	Chain	4.6	14	2
C-8c	9154.000	AJ3	AJ3	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 0' 35.466"	79° 36' 43.741"	Concrete	227	Chain	4.6	14	2
C-8c	9155.000	AJ4	AJ4	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	45° 0' 36.358"	79° 36' 42.407"	Concrete	227	Chain	4.6	14	2
C-8c	9156.000	AJ5	AJ5	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	45° 0' 35.899"	79° 36' 46.191"	Concrete	227	Chain	4.6	14	2
C-8c	9157.000	C1	C1	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.60	45° 0' 44.727"	79° 36' 18.104"	Concrete	227	Chain	9.1	14	2
C-8c	9158.000	C4	C4	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	45° 1' 30.981"	79° 36' 52.057"	Concrete	227	Chain	4.6	14	2
C-8c	9159.000	C5	C5	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	45° 1' 32.612"	79° 36' 56.997"	Concrete	227	Chain	4.6	14	2
C-8c	9160.000	C6	C6	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	45° 1' 33.517"	79° 36' 55.523"	Concrete	227	Chain	4.6	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-8c	9161.000	C7	C7	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 1' 58.494"	79° 36' 40.272"	Concrete	341	Chain	4.6	14	2
C-8c	9162.000	C9	C9	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 2' 58.488"	79° 37' 6.948"	Concrete	341	Chain	4.6	14	2
C-8c	9163.000	C10	C10	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 3' 36.339"	79° 36' 32.747"	Concrete	341	Chain	4.6	14	2
C-8c	9163.500	C11	C11	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	45° 3' 42.807"	79° 36' 43.392"	Concrete	227	Chain	9.1	14	2
C-8c	9164.000	C13	C13	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	45° 3' 43.556"	79° 36' 25.208"	Concrete	341	Chain	4.6	14	2
C-8c	9165.000	C15	C15	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	45° 3' 29.434"	79° 35' 45.078"	Concrete	227	Chain	9.1	14	2
C-8c	9166.000	C17	C17	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 3' 26.678"	79° 34' 36.092"	Concrete	227	Chain	4.6	14	2
C-8c	9167.000	C19	C19	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	45° 2' 46.228"	79° 33' 19.012"	Concrete	227	Chain	9.1	14	2
C-8c	9168.500	C29	C29	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	9.10	45° 3' 45.037"	79° 32' 23.963"	Concrete	227	Chain	13.7	14	2
C-8c	9169.000	C27	C27	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 3' 44.751"	79° 32' 35.794"	Concrete	227	Chain	4.6	14	2
C-8c	9171.000	CC	CC	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-yellow-black	Seasonal (in place year round)	3.00	45° 3' 38.179"	79° 32' 33.099"	Concrete	227	Chain	4.6	14	2
C-8c	9172.000	CC1	CC1	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 2' 55.58"	79° 33' 56.064"	Concrete	227	Chain	4.6	14	2
C-8c	9173.000	CC2	CC2	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 2' 55.496"	79° 33' 52.497"	Concrete	227	Chain	4.6	14	2
C-8c	9174.000	CD	CD	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-yellow	Seasonal (in place year round)	6.00	45° 4' 26.386"	79° 32' 27.441"	Concrete	227	Chain	9.1	14	2
C-8c	9175.000	CE	CE	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-yellow	Seasonal (in place year round)	6.00	45° 5' 12.721"	79° 33' 20.5"	Concrete	227	Chain	9.1	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-8c	9176.000	D1	D1	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 3' 20.995"	79° 29' 42.907"	Concrete	341	Chain	4.6	14	2
C-8c	9177.000	D2	D2	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 3' 18.898"	79° 29' 40.467"	Concrete	91	Chain	4.6	14	2
C-8c	9178.000	D3	D3	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 3' 18.17"	79° 29' 38.827"	Concrete	227	Chain	4.6	14	2
C-8c	9179.000	D5	D5	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 2' 35.205"	79° 28' 41.611"	Concrete	227	Chain	4.6	14	2
C-8c	9180.000	D6	D6	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 2' 35.589"	79° 28' 43.548"	Concrete	227	Chain	4.6	14	2
C-8c	9181.000	D9	D9	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 1' 47.172"	79° 28' 32.536"	Concrete	227	Chain	4.6	14	2
C-8c	9182.000	D10	D10	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 1' 46.524"	79° 28' 31.814"	Concrete	227	Chain	4.6	14	2
C-8c	9183.000	D13	D13	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	44° 58' 24.817"	79° 26' 32.252"	Concrete	227	Chain	9.1	14	2
C-8c	9184.000	D15	D15	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	44° 58' 7.384"	79° 25' 53.317"	Concrete	91	Chain	4.6	14	2
C-8c	9185.000	DC1	DC1	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 58' 42.246"	79° 27' 16.193"	Concrete	341	Chain	4.6	14	2
C-8c	9186.000	DC3	DC3	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 58' 43.772"	79° 27' 21.266"	Concrete	227	Chain	4.6	14	2
C-8c	9187.000	DC4	DC4	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	45° 0' 7.95"	79° 29' 3.242"	Concrete	341	Chain	9.1	14	2
C-8c	9188.000	DC5	DC5	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 0' 12.323"	79° 29' 13.79"	Concrete	227	Chain	4.6	14	2
C-8c	9189.000	DC6	DC6	ON	6021	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal (in place year round)	3.00	45° 0' 16.29"	79° 29' 16.722"	Concrete	91	Chain	4.6	14	2
C-8c	9190.500	DC8	DC8	ON	6021	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal (in place year round)	3.00	45° 0' 18.195"	79° 29' 15.809"	Concrete	91	Chain	4.6	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-8c	9193.000	DE2	DE2	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	44° 58' 47.428"	79° 26' 13.588"	Concrete	227	Chain	4.6	14	2
C-8c	9194.000	DE3	DE3	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 59' 16.367"	79° 27' 15.682"	Concrete	227	Chain	4.6	14	2
C-8c	9195.000	DH1	DH1	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	44° 59' 55.272"	79° 26' 19.691"	Concrete	227	Chain	9.1	14	2
C-8c	9196.000	DH2	DH2	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	44° 59' 49.362"	79° 26' 45.014"	Concrete	227	Chain	4.6	14	2
C-8c	9196.500	DH4	DH4	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.10	44° 59' 48.841"	79° 27' 18.242"	Concrete	227	Chain	9.1	14	2
C-8c	9197.000	DH3	DH3	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 59' 53.37"	79° 27' 15.29"	Concrete	227	Chain	4.6	14	2
C-8c	9198.000	DK1	DK1	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	45° 3' 29.5"	79° 29' 5"	Concrete	227	Chain	9.1	14	2
C-8c	9199.000	DM1	DM1	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 2' 3.731"	79° 27' 50.171"	Concrete	227	Chain	4.6	14	2
C-8c	9200.000	E1	E1	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.50	45° 0' 17.944"	79° 25' 53.48"	Concrete	227	Chain	4.6	14	2
C-8c	9201.000	E2	E2	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 0' 1.015"	79° 26' 6.224"	Concrete	227	Chain	6	14	2
C-8c	9202.000	E3	E3	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	44° 59' 38.125"	79° 25' 37.048"	Concrete	227	Chain	9.1	14	2
C-8c	9203.000	E6	E6	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 57' 17.097"	79° 24' 20.12"	Concrete	227	Chain	4.6	14	2
C-8c	9204.000	E7	E7	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	44° 57' 13.657"	79° 24' 22.354"	Concrete	227	Chain	4.6	14	2
C-8c	9205.000	E8	E8	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	44° 56' 59.837"	79° 24' 33.007"	Concrete	227	Chain	9.1	14	2
C-8c	9206.000	EB	EB	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green-red-green	Seasonal (in place year round)	2.00	45° 3' 38.535"	79° 28' 33.971"	Concrete	227	Chain	4.6	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-8c	9207.000	EB2	EB2	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 3' 32.522"	79° 28' 34.41"	Concrete	227	Chain	4.6	14	2
C-8c	9208.000	EB4	EB4	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 3' 37.203"	79° 28' 32.382"	Concrete	227	Chain	4.6	14	2
C-8c	9209.000	EC3	EC3	ON	6021	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal (in place year round)	2.00	45° 1' 57.032"	79° 23' 40.561"	Concrete	227	Chain	3	14	2
C-8c	9210.000	EC4	EC4	ON	6021	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal (in place year round)	2.00	45° 1' 56.918"	79° 23' 42.596"	Concrete	227	Chain	3	14	2
C-8c	9211.000	EC5	EC5	ON	6021	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal (in place year round)	1.00	45° 1' 53.853"	79° 23' 36.017"	Concrete	341	Chain	3	14	2
C-8c	9212.000	EC6	EC6	ON	6021	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal (in place year round)	1.00	45° 1' 52.538"	79° 23' 35.544"	Concrete	341	Chain	3	14	2
C-8c	9213.000	EE2	EE2	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 1' 23.865"	79° 23' 56.55"	Concrete	227	Chain	4.6	14	2
C-8c	9214.000	EE3	EE3	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	45° 1' 24.281"	79° 23' 53.733"	Concrete	341	Chain	4.6	14	2
C-8c	9215.000	EE4	EE4	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 1' 23.49"	79° 23' 53.082"	Concrete	227	Chain	4.6	14	2
C-8c	9216.000	EE5	EE5	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	45° 1' 25.09"	79° 23' 45.624"	Concrete	341	Chain	4.6	14	2
C-8c	9217.000	EE6	EE6	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	45° 1' 23.843"	79° 23' 43.927"	Concrete	91	Chain	4.6	14	2
C-8c	9218.000	EH	EH	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red-green-red	Seasonal (in place year round)	2.10	45° 1' 8.289"	79° 24' 46.087"	Concrete	227	Chain	4.6	14	2
C-8c	9219.000	EH2	EH2	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 1' 13.861"	79° 25' 4.681"	Concrete	227	Chain	4.6	14	2
C-8c	9220.000	EH3	EH3	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 1' 14.006"	79° 24' 59.968"	Concrete	91	Chain	4.6	14	2
C-8c	9221.000	EH4	EH4	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 1' 8.665"	79° 24' 49.522"	Concrete	91	Chain	4.6	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-8c	9222.000	EH5	EH5	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 1' 11.043"	79° 24' 42.574"	Concrete	227	Chain	4.6	14	2
C-8c	9223.000	EH6	EH6	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 1' 7.43"	79° 24' 41.724"	Concrete	227	Chain	4.6	14	2
C-8c	9224.000	EH7	EH7	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	1.00	45° 1' 11.035"	79° 24' 5.185"	Concrete	227	Chain	4.6	14	2
C-8c	9225.000	EH8	EH8	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	1.00	45° 1' 9.772"	79° 24' 6.301"	Concrete	227	Chain	3	14	2
C-8c	9226.000	EH9	EH9	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	1.00	45° 1' 11.217"	79° 23' 33.047"	Concrete	91	Chain	4.6	14	2
C-8c	9227.000	EH10	EH10	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	1.00	45° 1' 10.718"	79° 23' 31.643"	Concrete	341	Chain	4.6	14	2
C-8c	9228.000	EH11	EH11	ON	6021	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal (in place year round)	1.00	45° 1' 13.222"	79° 23' 32.1"	Concrete	91	Chain	2.1	14	2
C-8c	9229.000	EH12	EH12	ON	6021	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal (in place year round)	1.00	45° 1' 12.644"	79° 23' 30.498"	Concrete	91	Chain	3	14	2
C-8c	9230.000	EH13	EH13	ON	6021	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal (in place year round)	1.80	45° 1' 26.283"	79° 23' 27.79"	Concrete	341	Chain	3	14	2
C-8c	9231.000	EH14	EH14	ON	6021	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal (in place year round)	1.00	45° 1' 27.223"	79° 23' 24.858"	Concrete	341	Chain	3	14	2
C-8c	9232.000	EJ4	EJ4	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 1' 20.391"	79° 24' 26.339"	Concrete	227	Chain	4.6	14	2
C-8c	9233.000	EJ5	EJ5	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 1' 20.044"	79° 24' 22.816"	Concrete	227	Chain	4.6	14	2
C-8c	9234.000	EJ10	EJ10	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	44° 57' 27.48"	79° 23' 37.291"	Concrete	227	Chain	9.1	14	2
C-8c	9235.000	EK1	EK1	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	45° 1' 2.687"	79° 24' 44.18"	Concrete	227	Chain	4.6	14	2
C-8c	9236.000	EK2	EK2	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.70	45° 0' 46.131"	79° 24' 32.944"	Concrete	341	Chain	9.1	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-8c	9236.500	EN	EN	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Yellow-black-yellow	Seasonal (in place year round)	3.00	44° 59' 52.621"	79° 24' 6.985"	Concrete	227	Chain	13.7	14	2
C-8c	9237.000	EN2	EN2	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.70	45° 0' 49.015"	79° 24' 52.015"	Concrete	227	Chain	4.6	14	2
C-8c	9239.000	EN6	EN6	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	9.00	44° 59' 28.203"	79° 24' 29.657"	Concrete	227	Chain	13.7	14	2
C-8c	9240.000	EN8	EN8	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	44° 59' 14.5"	79° 25' 26"	Concrete	227	Chain	4.6	14	2
C-8c	9243.000	H1	H1	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	45° 4' 14.925"	79° 28' 53.688"	Concrete	227	Chain	4.6	14	2
C-8c	9244.000	H2	H2	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	1.80	45° 4' 14.787"	79° 28' 55.835"	Concrete	227	Chain	3	14	2
C-8c	9245.000	H3	H3	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.10	45° 4' 9.478"	79° 28' 55.341"	Concrete	341	Chain	3	14	2
C-8c	9246.000	H4	H4	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.10	45° 4' 10.138"	79° 28' 57.247"	Concrete	227	Chain	3	14	2
C-8c	9247.000	H7	H7	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	45° 3' 43.362"	79° 28' 14.509"	Concrete	227	Chain	9.1	14	2
C-8c	9247.500	H11	H11	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	45° 3' 24.661"	79° 27' 51.759"	Concrete	227	Chain	9.1	14	2
C-8c	9248.000	H9	H9	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 3' 40.004"	79° 28' 1.574"	Concrete	227	Chain	4.6	14	2
C-8c	9249.000	H14	H14	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 2' 49.443"	79° 25' 50.864"	Concrete	227	Chain	4.6	14	2
C-8c	9251.000	HA1	HA1	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 4' 48.548"	79° 30' 38.33"	Concrete	227	Chain	4.6	14	2
C-8c	9252.000	HA2	HA2	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	8.00	45° 4' 51.254"	79° 30' 44.985"	Concrete	341	Chain	13.7	14	2
C-8c	9253.000	HA3	HA3	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 4' 47.512"	79° 30' 58.932"	Concrete	227	Chain	4.6	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-8c	9254.000	HA4	HA4	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 4' 48.388"	79° 30' 55.994"	Concrete	91	Chain	4.6	14	2
C-8c	9254.500	HA6	HA6	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 4' 51.961"	79° 31' 19.159"	Concrete	227	Chain	4.6	14	2
C-8c	9255.000	HC1	HC1	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	45° 5' 4.91"	79° 31' 12.761"	Concrete	91	Chain	9.1	14	2
C-8c	9256.000	HD1	HD1	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	45° 5' 41.723"	79° 30' 39.852"	Concrete	227	Chain	9.1	14	2
C-8c	9257.000	HE	HE	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Yellow-black	Seasonal (in place year round)	6.00	45° 5' 35.764"	79° 30' 49.014"	Concrete	227	Chain	9.1	14	2
C-8c	9258.000	HE2	HE2	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 5' 41.602"	79° 30' 54.149"	Concrete	341	Chain	4.6	14	2
C-8c	9259.000	HE3	HE3	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	45° 5' 41.449"	79° 31' .0138"	Concrete	341	Chain	4.6	14	2
C-8c	9260.000	HE4	HE4	ON	6021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.30	45° 5' 49.005"	79° 30' 53.132"	Concrete	227	Chain	9.1	14	2
C-8c	9262.000	HH	HH	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-red-black	Seasonal (in place year round)	6.00	45° 5' 23.338"	79° 30' 5.371"	Concrete	341	Chain	9.1	14	2
C-8c	9263.000	HH3	HH3	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 5' 28.746"	79° 30' 7.641"	Concrete	227	Chain	4.6	14	2
C-8c	9264.000	HJ	HJ	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Yellow-black-yellow	Seasonal (in place year round)	6.00	45° 4' 32.215"	79° 29' 47.564"	Concrete	227	Chain	9.1	14	2
C-8c	9268.000	HM	HM	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-red-black	Seasonal (in place year round)	3.00	45° 2' 31.825"	79° 24' 3.018"	Concrete	227	Chain	4.6	14	2
C-8c	9269.000	YA	YA	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Yellow	Seasonal (in place year round)	1.00	45° 0' 45.193"	79° 36' 27.341"	Concrete	227	Chain	3	14	2
C-8c	9271.000	YC	YC	ON	6021	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Yellow	Seasonal (in place year round)	3.00	45° 3' 3.163"	79° 37' 19.256"	Concrete	341	Chain	4.6	14	2
C-8c	9272.000	YE	YE	ON	6021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Yellow	Seasonal (in place year round)	2.00	44° 56' 5.857"	79° 23' 31.742"	Concrete	91	Chain	4.6	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-8d	1412.100	AC1	Raynor Shoal light buoy AC1	ON	6023	Night	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.90	45° 15' 33.8"	78° 58' 18.5"	Concrete	227	Chain	9.1	14	2
C-8d	1414.000	A19	Bigwin Island South light buoy A19	ON	6023	Night	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 14' 9.9"	79° 1' 18.3"	Concrete	341	Chain	9.1	14	2
C-8d	1417.000	A14	South Muskoka River Inlet light buoy A14	ON	6023	Night	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.10	45° 10' 22.9"	79° 6' 2.1"	Concrete	91	Chain	4.6	14	2
C-8d	1418.000	C2	Point Ideal Shoal light buoy C2	ON	6023	Night	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 15' 17.1"	79° 3' 50.2"	Concrete	341	Chain	4.6	14	2
C-8d	9008.000	A2	A2	ON	6023	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.10	45° 9' 11.9"	79° 6' 48.2"	Concrete	91	Chain	4.6	14	2
C-8d	9010.000	A6	A6	ON	6023	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	1.80	45° 9' 18.7"	79° 6' 57.6"	Concrete	91	Chain	4.6	14	2
C-8d	9011.000	A8	A8	ON	6023	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.70	45° 9' 25"	79° 6' 54"	Concrete	91	Chain	9.1	14	2
C-8d	9012.000	A9	A9	ON	6023	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 9' 28.5"	79° 6' 52"	Concrete	91	Chain	4.6	14	2
C-8d	9013.000	A10	A10	ON	6023	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.60	45° 9' 32"	79° 6' 44"	Concrete	91	Chain	9.1	14	2
C-8d	9014.000	A16	A16	ON	6023	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 10' 30"	79° 6' 2"	Concrete	91	Chain	4.6	14	2
C-8d	9016.000	A20	A20	ON	6023	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 15' 40"	78° 58' 25"	Concrete	91	Chain	4.6	14	2
C-8d	9017.000	A21	A21	ON	6023	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 15' 41"	78° 58' 27"	Concrete	91	Chain	4.6	14	2
C-8d	9018.000	C3	C3	ON	6023	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 19' 17"	79° 0' 45"	Concrete	91	Chain	9.1	14	2
C-8d	9019.000	C4	C4	ON	6023	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 19' 16"	79° 0' 48"	Concrete	91	Chain	9.1	14	2
C-8d	9020.100	D	D	ON	6023	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-red-black	Seasonal (in place year round)	6.00	45° 17' 19"	79° 2' 14"	Concrete	91	Chain	9.1	14	2

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-8d	9021.000	D1	D1	ON	6023	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	45° 16' 22"	79° 1' 7"	Concrete	91	Chain	9.1	14	2
C-8d	9022.000	D2	D2	ON	6023	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	45° 16' 27"	79° 1' 12"	Concrete	91	Chain	9.1	14	2

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Georgian Bay, Small Craft Channel North, Killarney Section
Contract Area no.:	C-9
Province(s):	Ontario
Contract Area Description:	The Contract Area includes a portion of the northern Georgian Bay Small Craft channel, between Killarney and Byng Inlet.
Coast Guard Depot:	Parry Sound, Ontario
Commissioning date:	May 15th
Decommissioning date:	November 15th
Total no. of buoys:	126
Max. buoy size(m) diameter :	0.6
Maximum anchor size (weight (kg)):	2272
Maximum buoy weight (kg) :	637
Maximum water depth (m) :	32
Operational Season:	May 15th to November 15th
Overview of work activities:	All buoys are 'seasonal, in-place year round'; 1 buoys has a removable lantern, which is placed onto the buoy at Commissioning & removed at Decommissioning. At Commissioning, work includes position verification, addition of lantern and, as required, tape & numbers. The work includes planned cyclical mooring inspections and replacement over a 5 year cycle, i.e. 20% of the buoy moorings are inspected and replaced each year. Decommissioning work includes removal of lantern. Unscheduled work includes response to discrepancies during the operational season.
Comment:	

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-9	8295.000	D2	D2	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.40	45° 46' 9.12"	80° 38' 51.59"	Concrete	341	Chain	10.7	14	2
C-9	8296.000	D4	D4	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.20	45° 46' 11.12"	80° 39' 21.59"	Concrete	545	Chain	9.1	14	2
C-9	8297.000	D6	D6	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.70	45° 46' 13.12"	80° 39' 34.59"	Concrete	545	Chain	10.7	14	2
C-9	8298.000	D8	D8	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.20	45° 46' 18.12"	80° 39' 58.59"	Concrete	545	Chain	9.1	14	2
C-9	8299.000	D9	D9	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.90	45° 47' 1.12"	80° 41' 12.59"	Concrete	545	Chain	6.1	14	2
C-9	8300.000	D10	D10	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.20	45° 47' .12"	80° 41' 11.59"	Concrete	545	Chain	7.6	14	2
C-9	8301.000	D11	D11	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.90	45° 47' 6.12"	80° 41' 2.59"	Concrete	545	Chain	7.6	14	2
C-9	8302.000	D12	D12	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.10	45° 47' 5.12"	80° 41' 3.59"	Concrete	341	Chain	6.1	14	2
C-9	8303.000	D14	D14	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.90	45° 47' 21.12"	80° 40' 49.59"	Concrete	341	Chain	7.6	14	2
C-9	8304.000	D16	D16	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 47' 26.94"	80° 40' 38.1"	Concrete	341	Chain	6.1	14	2
C-9	8305.000	D17	D17	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.30	45° 47' 29.12"	80° 40' 38.59"	Concrete	341	Chain	6.1	14	2
C-9	8305.040	D18	D18	ON	2204	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Temporary	3.40	45° 47' 30.102"	80° 40' 32.484"	Concrete	341	Chain	7.6	14	2
C-9	8306.000	D19	D19	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.70	45° 47' 32.12"	80° 40' 32.09"	Concrete	341	Chain	4.6	14	2
C-9	8307.000	D21	D21	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	45° 47' 37.12"	80° 40' 39.59"	Concrete	545	Chain	9.1	14	2
C-9	8308.000	D23	D23	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.40	45° 48' 31.12"	80° 41' 12.09"	Concrete	545	Chain	9.1	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-9	8309.000	D24	D24	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	45° 48' 32.12"	80° 41' 6.59"	Concrete	545	Chain	9.1	14	2
C-9	8310.000	D25	D25	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.40	45° 48' 33.62"	80° 41' 21.09"	Concrete	545	Chain	9.1	14	2
C-9	8311.000	D27	D27	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.90	45° 48' 34.12"	80° 41' 36.59"	Concrete	545	Chain	9.1	14	2
C-9	8312.000	D29	D29	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.80	45° 48' 32.12"	80° 42' 1.59"	Concrete	545	Chain	12.2	14	2
C-9	8313.000	D30	D30	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 49' 3.12"	80° 42' 57.059"	Concrete	341	Chain	6.1	14	2
C-9	8314.000	D34	D34	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 49' 15.12"	80° 43' 11.59"	Concrete	545	Chain	4.6	14	2
C-9	8315.000	D35	D35	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.20	45° 49' 33.12"	80° 43' 37.59"	Concrete	545	Chain	7.6	14	2
C-9	8316.000	D36	D36	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 49' 35.16"	80° 43' 37.8"	Concrete	341	Chain	7.6	14	2
C-9	8317.000	D37	D37	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.20	45° 49' 40.12"	80° 43' 42.59"	Concrete	341	Chain	7.6	14	2
C-9	8318.000	D39	D39	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.90	45° 49' 42.12"	80° 43' 55.59"	Concrete	341	Chain	7.6	14	2
C-9	8319.000	D40	D40	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.90	45° 49' 43.12"	80° 43' 57.59"	Concrete	545	Chain	7.6	14	2
C-9	8320.000	D42	D42	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 49' 42.12"	80° 44' 9.59"	Concrete	341	Chain	6.1	14	2
C-9	8321.000	D43	D43	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.40	45° 49' 47.12"	80° 44' 14.59"	Concrete	341	Chain	4.6	14	2
C-9	8322.000	D44	D44	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.70	45° 49' 54.12"	80° 44' 17.59"	Concrete	545	Chain	4.6	14	2
C-9	8323.000	D45	D45	ON	2204	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal (in place year round)	2.10	45° 50' .13"	80° 44' 22.59"	Concrete	227	Chain	3	20	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-9	8324.000	D46	D46	ON	2204	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal (in place year round)	2.10	45° 50' .13"	80° 44' 22.59"	Concrete	227	Chain	3	20	2
C-9	8325.000	D47	D47	ON	2204	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal (in place year round)	2.10	45° 50' .18"	80° 44' 23.59"	Concrete	227	Chain	3	20	2
C-9	8326.000	D48	D48	ON	2204	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal (in place year round)	2.00	45° 50' 3.04"	80° 44' 21.31"	Concrete	227	Chain	3	20	2
C-9	8327.000	D49	D49	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	13.10	45° 50' 58.12"	80° 44' 53.59"	Concrete	545	Chain	15.2	14	2
C-9	8328.000	D50	D50	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 51' 13.12"	80° 45' 13.59"	Concrete	545	Chain	7.6	14	2
C-9	8329.000	D51	D51	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.60	45° 51' 53.12"	80° 45' 33.59"	Concrete	545	Chain	7.6	14	2
C-9	8330.000	D52	D52	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	9.80	45° 52' 43.12"	80° 45' 37.59"	Concrete	545	Chain	12.2	14	2
C-9	8331.000	D53	D53	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.60	45° 52' 45.12"	80° 45' 38.59"	Concrete	545	Chain	7.6	14	2
C-9	8332.000	D54	D54	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	8.00	45° 52' 55.62"	80° 45' 34.59"	Concrete	545	Chain	10.7	14	2
C-9	8333.000	D55	D55	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 53' 30.62"	80° 46' 47.59"	Concrete	545	Chain	7.6	14	2
C-9	8334.000	D56	D56	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	16.80	45° 53' 33.12"	80° 46' 48.59"	Concrete	545	Chain	21.3	14	2
C-9	8334.500	D57	D57	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	8.50	45° 53' 42.12"	80° 48' 50.59"	Concrete	545	Chain	10.7	14	2
C-9	8335.000	D58	D58	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	45° 53' 34.12"	80° 47' 23.59"	Concrete	545	Chain	21.3	14	2
C-9	8336.000	D59	D59	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	45° 53' 20.7"	80° 49' 27.84"	Concrete	545	Chain	13.7	14	2
C-9	8337.000	D60	D60	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	14.30	45° 53' 16.12"	80° 49' 37.59"	Concrete	545	Chain	16.8	14	2

Appendix C.2, Central and Arctic Region

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-9	8338.000	D62	D62	ON	2204	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	23.00	45° 53' 12.62"	80° 49' 46.59"	Concrete	2227	Chain	27.4	20	2
C-9	8339.000	D64	D64	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	32.00	45° 53' 15.62"	80° 50' 18.59"	Concrete	545	Chain	33.5	14	2
C-9	8340.000	D66	D66	ON	2204	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.50	45° 53' 25.5"	80° 51' 18.5"	Concrete	2227	Chain	13.7	20	2
C-9	8341.000	D68	D68	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	14.00	45° 53' 33.12"	80° 52' 4.09"	Concrete	545	Chain	18.3	14	2
C-9	8342.000	D70	D70	ON	2204	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	22.90	45° 53' 44.12"	80° 52' 53.59"	Concrete	2227	Chain	27.4	20	2
C-9	8344.000	D74	D74	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	13.00	45° 54' .17"	80° 53' 28.59"	Concrete	545	Chain	22.9	14	2
C-9	8345.000	D76	D76	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.70	45° 54' 12.12"	80° 53' 54.59"	Concrete	545	Chain	9.1	14	2
C-9	8346.000	D78	D78	ON	2204	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	16.00	45° 54' 15.12"	80° 54' 28.59"	Concrete	2227	Chain	33.5	20	2
C-9	8347.000	D80	D80	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	14.90	45° 54' 15.12"	80° 55' 39.09"	Concrete	545	Chain	18.3	14	2
C-9	8347.500	D80/2	D80/2	ON	2204	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	16.50	45° 53' 29.12"	81° 1' 8.59"	Concrete	2270	Chain	27.4	20	2
C-9	8348.000	D81	D81	ON	2204	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	21.00	45° 53' 4.12"	80° 58' 45.09"	Concrete	2227	Chain	27.4	20	2
C-9	8349.000	D82	GRONDINE ROCK D82	ON	2204	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	28.00	45° 53' 36.12"	81° 8' 45.59"	Concrete	2227	Chain	30.5	20	2
C-9	8349.250	D84	D84	ON	2204	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	9.80	45° 54' 35.12"	81° 12' 2.59"	Concrete	2227	Chain	15.2	20	2
C-9	8349.500	D86	D86	ON	2204	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.80	45° 55' 6.12"	81° 13' 47.59"	Concrete	2227	Chain	19.8	20	2
C-9	8350.000	D88	D88	ON	2204	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	9.10	45° 56' 6.12"	81° 13' 47.59"	Concrete	2227	Chain	13.7	20	2

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BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-9	8351.000	D90	D90	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.70	45° 56' 27.12"	81° 13' 15.59"	Concrete	545	Chain	9.1	14	2
C-9	8352.000	D91	D91	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.70	45° 56' 32.12"	81° 13' 10.59"	Concrete	545	Chain	13.7	14	2
C-9	8353.000	D92	D92	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.20	45° 56' 43.12"	81° 12' 46.59"	Concrete	545	Chain	7.6	14	2
C-9	8354.000	D92/2	D92/2	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	16.80	45° 56' 55.12"	81° 12' 9.59"	Concrete	545	Chain	22.9	14	2
C-9	8355.000	D94	D94	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	8.00	45° 57' 12.12"	81° 11' 6.59"	Concrete	545	Chain	12.2	14	2
C-9	8356.000	D96	D96	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.30	45° 59' .17"	81° 9' 51.09"	Concrete	545	Chain	6.1	14	2
C-9	8357.000	D97	D97	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	1.50	45° 59' 43.12"	81° 9' 29.09"	Concrete	341	Chain	2.4	14	2
C-9	8358.000	D98	D98	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.40	45° 59' 43.12"	81° 9' 27.09"	Concrete	341	Chain	2.4	14	2
C-9	8361.000	D101	D101	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.10	45° 59' 51.12"	81° 9' 23.59"	Concrete	341	Chain	3	14	2
C-9	8362.000	D102	D102	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	1.80	45° 59' 51.12"	81° 9' 21.59"	Concrete	341	Chain	3	14	2
C-9	8363.000	D103	D103	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.10	45° 59' 54.4"	81° 9' 23.5"	Concrete	341	Chain	3	14	2
C-9	8364.000	D104	D104	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	1.80	45° 59' 54.4"	81° 9' 22.8"	Concrete	227	Chain	3	14	2
C-9	8365.000	D105	D105	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	45° 59' 57.12"	81° 9' 23.59"	Concrete	341	Chain	3	14	2
C-9	8366.000	D106	D106	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	45° 59' 57.12"	81° 9' 22.59"	Concrete	341	Chain	3	14	2
C-9	8371.000	DA2	DA2	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.10	45° 53' 56.62"	80° 48' 57.09"	Concrete	545	Chain	9.1	14	2

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BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-9	8372.000	DA3	DA3	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	45° 54' 27.12"	80° 48' 50.59"	Concrete	545	Chain	7.6	14	2
C-9	8373.000	DA4	DA4	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.80	45° 54' 33.62"	80° 48' 45.59"	Concrete	545	Chain	7.6	14	2
C-9	8374.000	DA5	DA5	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 54' 39.62"	80° 48' 43.59"	Concrete	545	Chain	7.6	14	2
C-9	8375.000	DA7	DA7	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.40	45° 54' 47.12"	80° 48' 37.59"	Concrete	545	Chain	7.6	14	2
C-9	8376.000	DA9	DA9	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 54' 56.12"	80° 48' 25.59"	Concrete	227	Chain	4.6	20	2
C-9	8377.000	DA11	DA11	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.40	45° 54' 59.12"	80° 48' 31.59"	Concrete	227	Chain	4.6	20	2
C-9	8378.000	DA12	DA12	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 54' 59.62"	80° 48' 39.59"	Concrete	227	Chain	4.6	20	2
C-9	8379.000	DA13	DA13	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.50	45° 54' 58.12"	80° 48' 40.09"	Concrete	227	Chain	6.1	20	2
C-9	8380.000	DA15	DA15	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.40	45° 55' 9.12"	80° 49' 8.59"	Concrete	341	Chain	4.6	20	2
C-9	8381.000	DA16	DA16	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 55' 9.12"	80° 49' 16.59"	Concrete	341	Chain	4.6	26	2
C-9	8381.100	DA16/2	DA16/2	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.50	45° 55' 6.24"	80° 49' 25.2"	Concrete	341	Chain	6.1	20	2
C-9	8382.000	DA17	DA17	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.60	45° 55' 7.62"	80° 49' 16.59"	Concrete	341	Chain	4.6	26	2
C-9	8383.000	DA18	DA18	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.90	45° 55' .12"	80° 49' 42.59"	Concrete	545	Chain	7.6	14	2
C-9	8384.000	DA19	DA19	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.90	45° 54' 47.07"	80° 50' 30.59"	Concrete	341	Chain	9.1	14	2
C-9	8385.000	DA21	DA21	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.70	45° 54' 51.12"	80° 50' 53.59"	Concrete	545	Chain	12.2	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-9	8386.000	DA23	DA23	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.20	45° 54' 57.12"	80° 51' 3.59"	Concrete	341	Chain	9.1	14	2
C-9	8387.000	DA25	DA25	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.50	45° 55' 3.12"	80° 51' 9.59"	Concrete	341	Chain	7.6	14	2
C-9	8388.000	DA29	DA29	ON	2204	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal (in place year round)	1.50	45° 55' 43.902"	80° 52' 27.918"	Concrete	227	Chain	3	20	2
C-9	8390.000	DA30	DA30	ON	2204	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal (in place year round)	1.50	45° 55' 44.118"	80° 52' 27.57"	Concrete	227	Chain	3	20	2
C-9	8391.000	DA31	DA31	ON	2204	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal (in place year round)	2.40	45° 55' 45.324"	80° 52' 25.968"	Concrete	227	Chain	3	20	2
C-9	8392.000	DA33	DA33	ON	2204	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal (in place year round)	1.80	45° 55' 46.12"	80° 52' 25.59"	Concrete	227	Chain	3	14	2
C-9	8393.000	DA34	DA34	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.70	45° 55' 56.12"	80° 52' 43.59"	Concrete	341	Chain	4.6	20	2
C-9	8394.000	DA35	DA35	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 55' 54.12"	80° 52' 47.59"	Concrete	341	Chain	4.6	14	2
C-9	8395.000	DA36	DA36	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.20	45° 55' 46.12"	80° 53' 7.59"	Concrete	341	Chain	6.1	14	2
C-9	8396.000	DA37	DA37	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.50	45° 55' 47.12"	80° 53' 5.59"	Concrete	227	Chain	6.1	14	2
C-9	8397.000	DA38	DA38	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.20	45° 55' 46.12"	80° 53' 14.09"	Concrete	341	Chain	6.1	14	2
C-9	8398.000	DA40	DA40	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.90	45° 55' 46.62"	80° 53' 19.59"	Concrete	341	Chain	6.1	14	2
C-9	8399.000	DA42	DA42	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 55' 49.12"	80° 53' 21.09"	Concrete	341	Chain	6.1	14	2
C-9	8400.000	DA43	DA43	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 55' 53.62"	80° 53' 18.59"	Concrete	341	Chain	3	20	2
C-9	8401.000	DA45	DA45	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.60	45° 55' 58.12"	80° 53' 23.59"	Concrete	341	Chain	7.6	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-9	8402.000	DA50	DA50	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.10	45° 56' 7.12"	80° 54' 9.58"	Concrete	545	Chain	9.1	14	2
C-9	8403.000	DA53	DA53	ON	2204	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.20	45° 54' 58.12"	80° 55' 10.59"	Concrete	2227	Chain	13.7	20	2
C-9	8404.000	DC3	DC3	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.80	45° 57' 20.12"	80° 53' 44.59"	Concrete	341	Chain	9.1	14	2
C-9	8406.000	DH2	DH2	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	8.80	45° 54' 12.12"	80° 59' 21.59"	Concrete	545	Chain	13.7	14	2
C-9	8407.000	DH3	DH3	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.60	45° 54' 25.12"	80° 59' 22.59"	Concrete	545	Chain	13.7	14	2
C-9	8408.000	DH5	DH5	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	11.00	45° 54' 47.12"	80° 59' 5.59"	Concrete	545	Chain	15.2	14	2
C-9	8409.000	DH7	DH7	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.90	45° 55' 3.12"	80° 58' 55.59"	Concrete	545	Chain	12.2	14	2
C-9	8409.300	DH9	DH9	ON	2204	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Temporary		45° 55' 32.4"	80° 58' 45"						2
C-9	8410.000	DJ	BUSTARD FAIRWAY DJ	ON	2204	Unlit	0.6m Spar Conical (Long)	637	Steel	Red-white	Seasonal (in place year round)	21.00	45° 53' 20.12"	80° 59' 49.59"	Concrete	2227	Chain	27.4	20	2
C-9	8411.000	DK	DK	ON	2244	Unlit	0.6m Spar Conical (Long)	637	Steel	Red-white	Seasonal (in place year round)	20.00	45° 51' 29.52"	80° 51' 50.76"	Concrete	2227	Chain	27.4	20	2
C-9	8412.000	DK2	DK2	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	11.00	45° 52' 38.2"	80° 49' 8.25"	Concrete	545	Chain	15.2	14	2
C-9	8413.000	DK4	DK4	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	14.00	45° 52' 37.12"	80° 47' 15.59"	Concrete	545	Chain	15.2	14	2
C-9	8414.000	DK5	DK5	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	17.70	45° 53' 28.62"	80° 45' 23.59"	Concrete	545	Chain	21.3	14	2
C-9	8415.000	DK7	DK7	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	9.80	45° 53' 24.12"	80° 44' 33.59"	Concrete	341	Chain	13.7	14	2
C-9	8416.000	DK9	DK9	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	9.50	45° 53' 23.62"	80° 44' 25.09"	Concrete	545	Chain	12.2	14	2

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-9	8417.000	DK11	DK11	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	8.50	45° 53' 21.12"	80° 44' 15.59"	Concrete	341	Chain	10.7	14	2
C-9	8418.000	DK13	DK13	ON	2204	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	1.80	45° 53' 20.62"	80° 43' 55.59"	Concrete	545	Chain	3	20	2
C-9	8419.000	DK14	DK14	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.40	45° 53' 19.62"	80° 43' 55.59"	Concrete	341	Chain	3	20	2
C-9	8420.000	DN2	DN2	ON	2204	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	45° 52' 55.12"	80° 49' 31.59"	Concrete	545	Chain	15.2	14	2
C-9	9999.700	LOW WATER	LOW WATER-BEAVERSTONE BAY	ON	2204	Unlit	0.25m SB 23 spar can plastic	43	Plastic	White-orange	Seasonal (in place year round)	2.70	45° 59' 38.64"	81° 9' 31.32"	Concrete	227	Chain	3	14	2
C-9	9999.800	LOW WATER	LOW WATER-BEAVERSTONE BAY	ON	2204	Unlit	0.25m SB 23 spar can plastic	43	Plastic	White-orange	Seasonal (in place year round)	2.40	46° 0' .06"	81° 9' 23.46"	Concrete	227	Chain	4.9	14	2

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Georgian Bay, Small Craft Channel North, Byng Inlet Section
Contract Area no.:	C-10
Province(s):	Ontario
Contract Area Description:	The Contract Area includes a portion of the northern Georgian Bay Small Craft channel, between Byng Inlet and Parry Sound (including Byng Inlet)
Coast Guard Depot:	Parry Sound, Ontario
Commissioning date:	May 1st
Decommissioning date:	November 15th
Total no. of buoys:	175
Max. buoy size(m) diameter :	0.6
Maximum anchor size (weight (kg)):	2272
Maximum buoy weight (kg) :	637
Maximum water depth (m) :	23
Operational Season:	May 1st to November 15th
Overview of work activities:	All buoys are 'seasonal, in-place year round'; 7 buoys have removable lanterns, which are placed onto the buoy at Commissioning & removed at Decommissioning. At Commissioning, work includes position verification, addition of lanterns and, as required, tape & numbers. The work includes planned cyclical mooring inspections and replacement over a 5 year cycle, i.e. 20% of the buoy moorings are inspected and replaced each year. Decommissioning work includes removal of lanterns. Unscheduled work includes response to discrepancies during the operational season.
Comment:	

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-10	953.000	HH2	Byng Inlet light buoy HH2	ON	2293	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	20.00	45° 43' 57.78"	80° 44' 39.84"	Concrete	2270	Chain	36.6	20	2
C-10	955.000	H13	Burton Bank light buoy H13	ON	2293	Night	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	13.00	45° 44' 39.06"	80° 40' 43.68"	Concrete	2227	Chain	27.4	20	2
C-10	955.200	H12	Burton Bank South light buoy H12	ON	2293	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	15.00	45° 44' 34.1"	80° 40' 52.3"	Concrete	2227	Chain	27.4	20	2
C-10	956.000	H19	Britt Turning light buoy H19	ON	2293	Night	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	10.00	45° 45' .12"	80° 39' 27.06"	Concrete	2227	Chain	18.3	20	2
C-10	958.400	H21	Keystone Rock light buoy H21	ON	2293	Night	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.00	45° 45' 14.34"	80° 38' 59.5"	Concrete	1365	Chain	13.7	20	2
C-10	8456.000	H2	H2	ON	2293	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	15.00	45° 44' 4.74"	80° 43' 45.66"	Concrete	2227	Chain	21.3	20	2
C-10	8458.000	H6	H6	ON	2293	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	11.00	45° 44' 20.7"	80° 42' 27.54"	Concrete	2227	Chain	18.3	20	2
C-10	8459.000	H10	H10	ON	2293	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	14.00	45° 44' 26.94"	80° 41' 28.38"	Concrete	2227	Chain	18.3	20	2
C-10	8460.000	H11	H11	ON	2293	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	9.00	45° 44' 33.6"	80° 41' 20.04"	Concrete	2227	Chain	18.3	20	2
C-10	8462.000	H16	H16	ON	2293	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	11.00	45° 44' 44.04"	80° 40' 14.4"	Concrete	2227	Chain	13.7	20	2
C-10	8463.000	H18	H18	ON	2293	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.00	45° 44' 51.96"	80° 39' 51.72"	Concrete	2227	Chain	12	20	2
C-10	8465.000	H23	H23	ON	2293	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	6.00	45° 45' 39.42"	80° 38' 17.28"	Concrete	2227	Chain	9.1	20	2
C-10	8466.000	H24	H24	ON	2293	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	7.00	45° 45' 39.18"	80° 38' 12.36"	Concrete	2227	Chain	7.6	20	2
C-10	8467.000	H26	H26	ON	2293	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	7.00	45° 45' 43.14"	80° 38' 4.8"	Concrete	2227	Chain	7.6	20	2
C-10	8467.200	H26/2	H26/2	ON	2293	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	8.50	45° 45' 46.32"	80° 37' 57.42"		545	Chain	9.1	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-10	8468.000	H28	H28	ON	2293	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	7.00	45° 45' 55.8"	80° 37' 36.66"	Concrete	341	Chain	9.1	14	2
C-10	8469.000	H29	H29	ON	2293	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	6.00	45° 45' 58.74"	80° 37' 30.6"	Concrete	341	Chain	9.1	14	2
C-10	8470.000	H30	H30	ON	2293	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	7.00	45° 45' 57.42"	80° 37' 28.38"	Concrete	545	Chain	9.1	14	2
C-10	8471.000	H31	H31	ON	2293	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	6.00	45° 46' 0"	80° 37' 23.52"	Concrete	341	Chain	9.1	14	2
C-10	8472.000	H32	H32	ON	2293	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	45° 45' 58.74"	80° 37' 21.72"	Concrete	341	Chain	9.1	14	2
C-10	8473.000	H33	H33	ON	2293	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	7.00	45° 46' 1.68"	80° 37' 13.74"	Concrete	341	Chain	7.6	14	2
C-10	8474.000	H34	H34	ON	2293	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	45° 45' 59.7"	80° 37' 14.52"	Concrete	545	Chain	9.1	14	2
C-10	8475.000	H35	H35	ON	2293	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	6.00	45° 46' 1.56"	80° 36' 51.12"	Concrete	545	Chain	9.1	14	2
C-10	8476.000	H36	H36	ON	2293	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	7.00	45° 45' 59.82"	80° 36' 49.98"	Concrete	341	Chain	9.1	14	2
C-10	8477.000	H37	H37	ON	2293	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	7.00	45° 46' 1.74"	80° 36' 43.08"	Concrete	341	Chain	9.1	14	2
C-10	8478.000	H38	H38	ON	2293	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	7.00	45° 46' .12"	80° 36' 42.12"	Concrete	341	Chain	9.1	14	2
C-10	8479.000	H39	H39	ON	2293	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	6.00	45° 46' 2.7"	80° 36' 35.7"	Concrete	341	Chain	9.1	14	2
C-10	8480.000	H40	H40	ON	2293	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	45° 46' .72"	80° 36' 32.16"	Concrete	545	Chain	9.1	14	2
C-10	8481.000	H41	H41	ON	2293	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	6.00	45° 46' 2.28"	80° 34' 33.96"	Concrete	545	Chain	9.1	14	2
C-10	8482.000	H42	H42	ON	2293	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	6.00	45° 46' 1.8"	80° 34' 27.53"	Concrete	341	Chain	7.6	14	2
C-10	8483.000	H43	H43	ON	2293	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	45° 46' 3.57"	80° 34' 26"	Concrete	545	Chain	7.6	14	2
C-10	8484.000	H44	H44	ON	2293	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	7.00	45° 46' 3.69"	80° 34' 16.82"	Concrete	545	Chain	7.6	14	2
C-10	8485.000	H45	H45	ON	2293	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	6.00	45° 46' 6.93"	80° 34' 9.72"	Concrete	545	Chain	9.1	14	2
C-10	8486.000	H46	H46	ON	2293	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	6.00	45° 46' 4.64"	80° 34' 11.92"	Concrete	545	Chain	7.6	14	2
C-10	8487.000	H47	H47	ON	2293	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	7.00	45° 46' 8.78"	80° 34' 6.6"	Concrete	341	Chain	7.6	14	2
C-10	8488.000	H49	H49	ON	2293	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	7.00	45° 46' 14.44"	80° 33' 49.09"	Concrete	341	Chain	7.6	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-10	8489.000	H50	H50	ON	2293	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	6.00	45° 46' 13.55"	80° 33' 36.14"	Concrete	545	Chain	7.6	14	2
C-10	8490.000	H51	H51	ON	2293	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	45° 46' 17.4"	80° 33' 30.42"	Concrete	545	Chain	9.1	14	2
C-10	8491.000	H52	H52	ON	2293	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	6.00	45° 46' 17.17"	80° 33' 22.34"	Concrete	545	Chain	7.6	14	2
C-10	941.000	AA2	Tizard Rock light buoy AA2	ON	2203	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	18.00	45° 34' 5.15"	80° 33' 17.47"	Concrete	2270	Chain	27.4	20	2
C-10	951.100	AE4/2	Puswawa Island light buoy AE4/2	ON	2203	Night	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.10	45° 34' 5.5"	80° 28' 6.8"	Concrete	341	Chain	9.1	14	2
C-10	7913.000	A	A	ON	2203	Unlit	0.6m Spar Conical (Long)	637	Steel	Red-green-red	Seasonal (in place year round)	7.00	45° 33' 47.221"	80° 31' 31.556"	Concrete	2227	Chain	13.7	20	2
C-10	7946.500	A45	A45	ON	2203	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	9.80	45° 26' 3.25"	80° 24' 8.27"	Concrete	1365	Chain	13.7	20	2
C-10	7947.000	A46	A46	ON	2203	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	7.00	45° 27' 20.119"	80° 24' 29.424"	Concrete	2227	Chain	9.1	20	2
C-10	7948.000	A48	A48	ON	2203	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.20	45° 29' 46.65"	80° 24' 33.97"	Concrete	817	Chain	10.7	20	2
C-10	7949.000	A49	A49	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	13.70	45° 32' 29.15"	80° 26' 14.47"	Concrete	545	Chain	18.3	14	2
C-10	7950.000	A51	A51	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	4.00	45° 32' 32.15"	80° 26' 46.47"	Concrete	545	Chain	10.7	14	2
C-10	7951.000	A53	A53	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.00	45° 32' 29.055"	80° 27' 19.083"	Concrete	341	Chain	7.6	14	2
C-10	7952.000	A55	A55	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	4.00	45° 32' 32.761"	80° 27' 29.372"	Concrete	341	Chain	12.2	14	2
C-10	7952.200	A55/1	A55/1	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.70	45° 32' 48.25"	80° 27' 49.47"	Concrete	341	Chain	6.1	14	2
C-10	7952.500	A55/3	A55/3	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	8.50	45° 33' 28.75"	80° 29' 50.97"	Concrete	545	Chain	10.7	14	2
C-10	7953.000	A56	A56	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	6.10	45° 33' 30.217"	80° 29' 52.031"	Concrete	341	Chain	7.6	14	2
C-10	7954.000	A57	A57	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 34' 10.904"	80° 31' 19.393"	Concrete	341	Chain	9.1	14	2
C-10	7955.000	A58	A58	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	2.00	45° 34' 8.389"	80° 31' 15.999"	Concrete	545	Chain	9.1	14	2
C-10	7956.000	A59	A59	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.00	45° 34' 12.813"	80° 31' 10.74"	Concrete	545	Chain	7.6	14	2

Appendix C.2, Central and Arctic Region

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-10	7956.500	A60	A60	ON	2203	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal (in place year round)	1.80	45° 34' 46.658"	80° 30' 42.481"	Concrete	341	Chain	3	14	2
C-10	7957.000	A61	A61	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.00	45° 34' 13.693"	80° 31' 8.62"	Concrete	341	Chain	7.6	14	2
C-10	7957.100	A61/1	A61/1	ON	2203	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal (in place year round)	1.50	45° 34' 46.807"	80° 30' 43.078"	Concrete	227	Chain	1.5	14	2
C-10	7957.200	A62	A62	ON	2203	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal (in place year round)	1.50	45° 34' 47.145"	80° 30' 42.873"	Concrete	227	Chain	2.4	14	2
C-10	7958.000	A63	A63	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.00	45° 34' 53.688"	80° 30' 40.54"	Concrete	341	Chain	4.6	14	2
C-10	7959.000	A65	A65	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	2.00	45° 35' 6.323"	80° 30' 41.947"	Concrete	341	Chain	3	14	2
C-10	7960.000	A66	A66	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.00	45° 35' 5.649"	80° 31' 9.243"	Concrete	341	Chain	6.1	14	2
C-10	7961.000	A67	A67	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	2.00	45° 35' 7.582"	80° 30' 47.104"	Concrete	341	Chain	3	14	2
C-10	7962.000	A68	A68	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	7.60	45° 35' 1.728"	80° 31' 22.628"	Concrete	341	Chain	9.1	14	2
C-10	7963.000	A69	A69	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.00	45° 35' 2.802"	80° 31' 29.711"	Concrete	341	Chain	7.6	14	2
C-10	7964.000	A70	A70	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Red	Seasonal	3.00	45° 35' 3.686"	80° 31' 32.758"	Concrete	545	Chain	7.6	14	2
C-10	7965.000	A71	A71	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.00	45° 35' 1.15"	80° 31' 52.97"	Concrete	545	Chain	13.7	14	2
C-10	7966.000	A72	A72	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	9.00	45° 35' 3.15"	80° 31' 51.47"	Concrete	545	Chain	13.7	14	2
C-10	7967.000	A73	A73	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	4.00	45° 35' 1.1"	80° 32' 13.846"	Concrete	545	Chain	12.2	14	2
C-10	7968.000	A74	A74	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	5.00	45° 35' 2.461"	80° 32' 16.834"	Concrete	545	Chain	13.7	14	2
C-10	7969.000	A75	A75	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	2.00	45° 35' 14.151"	80° 32' 4.535"	Concrete	545	Chain	7.6	14	2
C-10	7969.300	A75/1	A75/1	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	4.30	45° 35' 21.65"	80° 31' 59.47"	Concrete	341	Chain	7.6	14	2
C-10	7969.500	A75/3	A75/3	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	5.50	45° 35' 24.15"	80° 31' 59.47"	Concrete	341	Chain	9.1	14	2
C-10	7969.600	A76	A76	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.40	45° 35' 22.15"	80° 31' 58.47"	Concrete	341	Chain	6.1	14	2
C-10	7970.000	A77	A77	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	4.00	45° 35' 56.73"	80° 32' 7.955"	Concrete	545	Chain	6.1	14	2
C-10	7971.000	A78	A78	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	4.00	45° 35' 58.505"	80° 32' 6.692"	Concrete	545	Chain	7	14	2

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BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-10	7972.000	A80	A80	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.00	45° 36' 4.351"	80° 32' 10.221"	Concrete	341	Chain	6.1	14	2
C-10	7973.000	A81	A81	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	2.00	45° 36' 7.15"	80° 32' 10.47"	Concrete	341	Chain	6.7	14	2
C-10	7974.000	A83	A83	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	2.00	45° 36' 9.15"	80° 32' 9.47"	Concrete	341	Chain	6.4	14	2
C-10	7975.000	A85	A85	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	4.00	45° 36' 12.772"	80° 32' 10.965"	Concrete	341	Chain	10.7	14	2
C-10	7976.000	A88	A88	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	5.20	45° 37' 12.541"	80° 31' 27.778"	Concrete	545	Chain	6.1	14	2
C-10	7977.000	A89	A89	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	5.50	45° 37' 20.962"	80° 31' 35.354"	Concrete	545	Chain	7.6	14	2
C-10	7978.000	A91	A91	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	5.20	45° 37' 57.15"	80° 33' 21.47"	Concrete	341	Chain	6.1	14	2
C-10	7979.000	A93	A93	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	6.10	45° 38' .568"	80° 34' 23.699"	Concrete	545	Chain	9.1	14	2
C-10	7980.000	A94	A94	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	5.80	45° 38' 1.433"	80° 34' 23.794"	Concrete	341	Chain	7.9	14	2
C-10	7981.000	A95	A95	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	8.80	45° 38' 2.903"	80° 34' 35.991"	Concrete	545	Chain	9.1	14	2
C-10	7982.000	A98	A98	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	10.00	45° 38' 8.736"	80° 35' 2.902"	Concrete	545	Chain	10.7	14	2
C-10	7983.000	A99	A99	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	45° 38' 10.085"	80° 35' 10.359"	Concrete	545	Chain	13.7	14	2
C-10	7984.000	A100	A100	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	5.00	45° 38' 11.102"	80° 35' 9.548"	Concrete	545	Chain	10.7	14	2
C-10	7985.000	A102	A102	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 38' 16.378"	80° 35' 34.265"	Concrete	545	Chain	9.1	20	2
C-10	7985.100	A102/2	A102/2	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	2.70	45° 38' 33.15"	80° 35' 54.47"	Concrete	545	Chain	7.6	14	2
C-10	7986.000	A104	A104	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	2.00	45° 38' 49.65"	80° 36' 13.47"	Concrete	545	Chain	7.6	20	2
C-10	7987.000	A105	A105	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.00	45° 39' 10.15"	80° 36' 37.47"	Concrete	545	Chain	6.1	20	2
C-10	7987.200	A106	A106	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.40	45° 39' 28.15"	80° 36' 54.47"	Concrete	545	Chain	10.7	14	2
C-10	7988.000	A107	A107	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.70	45° 39' 42.573"	80° 37' 13.15"	Concrete	545	Chain	7.6	14	2
C-10	7989.000	A108	A108	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.00	45° 39' 44.211"	80° 37' 11.589"	Concrete	545	Chain	6.1	14	2

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BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-10	7990.000	A110	A110	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 39' 57.15"	80° 37' 45.97"	Concrete	817	Chain	7.6	14	2
C-10	7991.000	A112	A112	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	45° 40' 18.812"	80° 38' 2.339"	Concrete	545	Chain	7.6	14	2
C-10	7992.000	A114	A114	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	45° 40' 41.15"	80° 38' 18.47"	Concrete	545	Chain	7.6	20	2
C-10	7992.100	A114/2	A114/2	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	5.50	45° 41' 7.15"	80° 38' 37.47"		545	Chain	9.1	14	2
C-10	7993.000	A116	A116	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.90	45° 41' 26.15"	80° 38' 56.97"	Concrete	545	Chain	7.6	20	2
C-10	8001.000	A126	A126	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.90	45° 43' 22.35"	80° 40' 19.27"	Concrete	817	Chain	9.1	20	2
C-10	8001.020	A126/2	A126/2	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	4.00	45° 43' 36.15"	80° 40' 14.47"	Concrete	545	Chain	7.6	14	2
C-10	8001.040	A126/4	A126/4	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.50	45° 43' 40.35"	80° 40' 12.67"	Concrete	545	Chain	7.6	14	2
C-10	8002.000	A127	A127	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.60	45° 43' 30.15"	80° 40' 18.07"	Concrete	545	Chain	9.1	14	2
C-10	8002.010	A127/1	A127/1	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	4.30	45° 43' 36.75"	80° 40' 16.27"	Concrete	545	Chain	9.1	20	2
C-10	8002.030	A127/3	A127/3	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	8.20	45° 43' 41.55"	80° 40' 14.47"	Concrete	545	Chain	9.1	14	2
C-10	8003.000	A128	A128	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	45° 43' 42.65"	80° 40' 11.47"	Concrete	545	Chain	9.1	14	2
C-10	8004.000	A129	A129	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.00	45° 43' 48.428"	80° 40' .406"	Concrete	545	Chain	13.7	14	2
C-10	8005.000	A130	A130	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 43' 48.657"	80° 39' 56.388"	Concrete	545	Chain	9.1	14	2
C-10	8006.000	A132	A132	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.40	45° 44' 8.295"	80° 39' 52.121"	Concrete	341	Chain	4.6	14	2
C-10	8007.000	A133	A133	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.70	45° 44' 11.15"	80° 39' 54.47"	Concrete	545	Chain	6.1	14	2
C-10	8007.100	A133/1	A133/1	ON	2203	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Temporary	2.10	45° 44' 12.6"	80° 39' 51.6"	Concrete	341	Chain	2.7	20	2

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BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-10	8008.000	A134	A134	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	2.00	45° 44' 11.678"	80° 39' 50.448"	Concrete	341	Chain	4	14	2
C-10	8009.000	A135	A135	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	2.00	45° 44' 13.352"	80° 39' 50.143"	Concrete	341	Chain	3	14	2
C-10	8010.000	A136	A136	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	2.00	45° 44' 12.62"	80° 39' 49.805"	Concrete	341	Chain	4	14	2
C-10	8011.000	A138	A138	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	2.00	45° 44' 13.355"	80° 39' 45.455"	Concrete	341	Chain	3	14	2
C-10	8012.000	A139	A139	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	2.00	45° 44' 17.371"	80° 39' 36.686"	Concrete	227	Chain	6.1	14	2
C-10	8013.000	A140	A140	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.00	45° 44' 28.792"	80° 39' 16.756"	Concrete	545	Chain	7.6	20	2
C-10	8014.000	A141	A141	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	2.00	45° 44' 27.935"	80° 39' 17.298"	Concrete	545	Chain	6.1	14	2
C-10	8015.000	A143	A143	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	2.00	45° 44' 30.596"	80° 39' 19.392"	Concrete	341	Chain	6.1	14	2
C-10	8016.000	A145	A145	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	2.00	45° 44' 37.312"	80° 39' 23.091"	Concrete	341	Chain	7.6	20	2
C-10	8016.600	A146/2	A146/2	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.60	45° 44' 42.15"	80° 39' 21.97"	Concrete	341	Chain	6.1	14	2
C-10	8017.000	A147	A147	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 44' 46.65"	80° 39' 21.468"	Concrete	341	Chain	13.7	14	2
C-10	8018.000	A149	A149	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	4.00	45° 45' 28.15"	80° 38' 51.47"	Concrete	545	Chain	9.1	14	2
C-10	8019.000	A151	A151	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.00	45° 45' 40.15"	80° 38' 52.47"	Concrete	545	Chain	6.1	20	2
C-10	8025.000	AD4	AD4	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	45° 23' 5.822"	80° 19' 53.895"	Concrete	227	Chain	4.6	14	2
C-10	8026.000	AE1	AE1	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	4.90	45° 33' 45.872"	80° 28' 58.598"	Concrete	545	Chain	7.3	14	2
C-10	8027.000	AE2	AE2	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	4.60	45° 33' 52.112"	80° 28' 44.332"	Concrete	341	Chain	9.1	14	2
C-10	8028.000	AE4	AE4	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	6.50	45° 33' 53.611"	80° 28' 39.053"	Concrete	545	Chain	9.1	14	2
C-10	8029.000	AE5	AE5	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	7.00	45° 33' 55.884"	80° 28' 37.76"	Concrete	545	Chain	9.1	14	2
C-10	8030.000	AE6	AE6	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	6.10	45° 34' 37.117"	80° 25' 41.861"	Concrete	545	Chain	9.1	14	2
C-10	8031.000	AE7	AE7	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	4.00	45° 35' 30.173"	80° 24' 11.231"	Concrete	545	Chain	6.1	14	2
C-10	8032.000	AE9	AE9	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	5.80	45° 35' 32.344"	80° 24' .936"	Concrete	545	Chain	7.6	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-10	8036.000	AK	KENNEDY BANK AK	ON	2243	Unlit	0.6m Spar Conical (Long)	637	Steel	Red-green-red	Seasonal (in place year round)	9.00	45° 30' 24"	80° 40' 18"	Concrete	2270	Chain	13.7	20	2
C-10	8037.000	AL1	AL1	ON	2203	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.00	45° 34' 51.15"	80° 32' 51.47"	Concrete	2227	Chain	13.7	20	2
C-10	8038.000	AL2	AL2	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	45° 34' 58.1"	80° 32' 27.749"	Concrete	545	Chain	10.7	14	2
C-10	8039.000	AL3	AL3	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	45° 35' .92"	80° 32' 29.823"	Concrete	545	Chain	12.2	14	2
C-10	8040.000	AL5	AL5	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	45° 35' 2.15"	80° 32' 24.47"	Concrete	545	Chain	13.7	14	2
C-10	8041.000	AM2	MORDEN ROCK AM2	ON	2243	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	12.00	45° 41' 13"	80° 42' 12"	Concrete	2270	Chain	18.3	20	2
C-10	8041.010	AN1	AN1	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.70	45° 41' 25.59"	80° 39' 4.63"	Concrete	545	Chain	9.1	14	2
C-10	8041.020	AN2	AN2	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.40	45° 41' 37.65"	80° 39' 27.79"	Concrete	545	Chain	9.1	14	2
C-10	8041.030	AN3	AN3	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.70	45° 41' 36.33"	80° 39' 28.93"		545	Chain	9.1	14	2
C-10	8041.040	AN4	AN4	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.40	45° 41' 45.03"	80° 39' 43.99"	Concrete	545	Chain	9.1	14	2
C-10	8041.050	AN5	AN5	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.30	45° 41' 43.89"	80° 39' 45.25"	Concrete	545	Chain	9.1	14	2
C-10	8041.060	AN6	AN6	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.50	45° 41' 55.77"	80° 40' 7.39"	Concrete	545	Chain	9.1	14	2
C-10	8041.070	AN7	AN7	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.20	45° 41' 54.63"	80° 40' 9.13"	Concrete	545	Chain	9.1	14	2
C-10	8041.080	AN8	AN8	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 42' 8.01"	80° 40' 34.39"	Concrete	545	Chain	9.1	14	2
C-10	8041.090	AN9	AN9	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.60	45° 42' 6.81"	80° 40' 35.65"	Concrete	545	Chain	9.1	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-10	8041.100	AN10	AN10	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 42' 26.73"	80° 40' 34.63"		545	Chain	9.1	20	2
C-10	8041.110	AN11	AN11	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.30	45° 42' 29.67"	80° 40' 34.99"	Concrete	545	Chain	9.1	14	2
C-10	8041.140	AN14	AN14	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.30	45° 42' 41.49"	80° 40' 33.55"		545	Chain	9.1	20	2
C-10	8041.150	AN15	AN15	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	8.20	45° 42' 48.63"	80° 40' 33.31"	Concrete	545	Chain	9.1	14	2
C-10	8041.160	AN16	AN16	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	4.60	45° 43' 4.05"	80° 40' 30.49"	Concrete	545	Chain	9.1	14	2
C-10	8041.170	AN17	AN17	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.90	45° 43' 4.17"	80° 40' 32.47"		545	Chain	9.1	20	2
C-10	8041.180	AN18	AN18	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.90	45° 43' 13.15"	80° 40' 24.47"	Concrete	545	Chain	7.6	14	2
C-10	8041.190	AN19	AN19	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	7.60	45° 43' 14.15"	80° 40' 26.97"		545	Chain	9.1	14	2
C-10	8041.200	AP	AP	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-yellow-black	Seasonal (in place year round)	6.10	45° 32' 56.876"	80° 25' 38.992"	Concrete	817	Chain	10.7	14	2
C-10	8041.250	AQ	AQ	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Yellow-black-yellow	Seasonal (in place year round)	9.10	45° 34' 9.85"	80° 31' 22.97"	Concrete	545	Chain	12.2	14	2
C-10	8041.270	AQ1	AQ1	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	7.30	45° 34' 5.35"	80° 31' 21.27"	Concrete	545	Chain	12.2	14	2
C-10	8041.290	AQ3	AQ3	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	6.70	45° 34' 19.25"	80° 31' 31.17"	Concrete	545	Chain	13.7	14	2
C-10	8041.300	AQ4	AQ4	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	6.10	45° 34' 23.85"	80° 31' 33.77"	Concrete	545	Chain	13.7	14	2
C-10	8041.310	AQ5	AQ5	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.80	45° 34' 37.75"	80° 31' 43.37"	Concrete	545	Chain	12.2	14	2
C-10	8041.320	AQ6	AQ6	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	6.10	45° 34' 33.65"	80° 31' 42.27"	Concrete	545	Chain	13.7	14	2
C-10	8041.340	AQ8	AQ8	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.60	45° 34' 53.35"	80° 31' 50.37"	Concrete	545	Chain	10.7	14	2
C-10	8041.500	AX1	AX1	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	8.20	45° 43' 59.34"	80° 39' 58.74"		545	Chain	9.1	20	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-10	8041.510	AX3	AX3	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.70	45° 44' 9.42"	80° 40' 4.5"		545	Chain	7.6	20	2
C-10	8041.520	AX4	AX4	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 44' 10.56"	80° 40' 4.8"		545	Chain	9.1	20	2
C-10	8041.530	AX6	AX6	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.40	45° 44' 19.68"	80° 40' 10.08"		545	Chain	10.7	20	2
C-10	8041.540	AX7	AX7	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.70	45° 44' 21.12"	80° 40' 11.94"		545	Chain	12.2	20	2
C-10	8041.550	AX8	AX8	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	8.20	45° 44' 25.5"	80° 40' 11.94"		545	Chain	10.7	20	2
C-10	8759.000	PP2	PP2	ON	2242	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	12.00	45° 22' 8.22"	80° 22' 25.26"	Concrete	2227	Chain	19.8	20	2
C-10	8759.020	PP4	PP4	ON	2242	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	14.30	45° 22' 35.58"	80° 23' 3.98"	Concrete	1365	Chain	18.3	20	2
C-10	8759.030	PP5	PP5	ON	2242	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	14.00	45° 22' 28.92"	80° 23' 22.28"	Concrete	1365	Chain	19.8	20	2
C-10	8759.040	PP8	PP8	ON	2242	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	17.40	45° 24' 19.98"	80° 24' 2.58"	Concrete	1365	Chain	27.4	20	2

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Georgian Bay, Small Craft Channel South, Parry Sound Section
Contract Area no.:	C-11
Province(s):	Ontario
Contract Area Description:	The Contract Area includes a portion of the southern Georgian Bay Small Craft channel, between Parry Sound and 'Go Home' Bay.
Coast Guard Depot:	Parry Sound, Ontario
Commissioning date:	May 1st
Decommissioning date:	November 15th
Total no. of buoys:	263
Max. buoy size(m) diameter :	1.4
Maximum anchor size (weight (kg)):	4545
Maximum buoy weight (kg) :	1811
Maximum water depth (m) :	21
Operational Season:	May 1st to November 15th
Overview of work activities:	<p>13 buoys are seasonal and replaced by winter spars .All remaining buoys are 'seasonal, in-place year round'; 3 buoys have removable lanterns, which are placed onto the buoy at Commissioning & removed at Decommissioning. At Commissioning, work includes position verification addition of lanterns and, as required, tape & numbers.</p> <p>The work includes planned cyclical mooring inspections and replacement over a 5 year cycle, i.e. 20% of the buoy moorings are inspected and replaced each year. Decommissioning work includesre placement of summer buoys with winter spars for 13 buoys and removal of lanterns. Unscheduled work includes response to discrepancies during the operational season.</p>
Comment:	

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-11	905.000	P2	Parry Sound Approach light buoy P2	ON	2225	Night	1.4m Buoy	1811	Steel	Red	Seasonal	20.00	45° 20' 44"	80° 25' 11"	Concrete	2270	Chain	27.4	20	2
C-11	907.000	P7	Farr Rock light buoy P7	ON	2225	Night	1.4m Buoy	1811	Steel	Green	Seasonal	14.00	45° 21' 25"	80° 22' 46"	Concrete	2270	Chain	27.4	20	2
C-11	908.000	P10	Three Star Shoal light buoy P10	ON	2225	Night	1.4m Buoy	1811	Steel	Red	Seasonal	16.00	45° 21' 34"	80° 21' 53"	Concrete	2270	Chain	27.4	20	2
C-11	911.000	P12	Ariel Rock light buoy P12	ON	2225	Night	1.4m Buoy	1811	Steel	Red	Seasonal	14.00	45° 21' 17"	80° 20' 45"	Concrete	4540	Chain	27.4	20	2
C-11	912.000	P13	Arthur Orr Rock light buoy P13	ON	2225	Night	1.4m Buoy	1811	Steel	Green	Seasonal	17.00	45° 21' 6"	80° 20' 20"	Concrete	2270	Chain	27.4	20	2
C-11	913.000	P16	Hall Rock Shoal light buoy P16	ON	2225	Night	1.4m Buoy	1811	Steel	Red	Seasonal	9.00	45° 20' 28"	80° 19' 33.5"	Concrete	2270	Chain	18.3	20	2
C-11	914.000	P19	Middle Ground light buoy P19	ON	2225	Night	1.4m Buoy	1811	Steel	Green	Seasonal	10.00	45° 20' 26"	80° 19' 29"	Concrete	2270	Chain	18.3	20	2
C-11	915.000	P22	Telegram Rock light buoy P22	ON	2225	Night	1.4m Buoy	1811	Steel	Red	Seasonal	14.00	45° 20' 6"	80° 18' 53"	Concrete	2270	Chain	27.4	20	2
C-11	916.000	P24	Hooper Island Shoal light buoy P24	ON	2225	Night	1.4m Buoy	1811	Steel	Red	Seasonal	14.00	45° 19' 47"	80° 18' 18"	Concrete	4540	Chain	21.3	20	2
C-11	919.000	P26	Borer Bank light buoy P26	ON	2225	Night	1.4m Buoy	1811	Steel	Red	Seasonal	21.00	45° 19' 40"	80° 16' 55"	Concrete	2270	Chain	27.4	20	2
C-11	920.000	P27	Spruce Island Shoal light buoy P27	ON	2225	Night	1.4m Buoy	1811	Steel	Green	Seasonal	10.00	45° 19' 49.5"	80° 15' 30"	Concrete	2270	Chain	18.3	20	2
C-11	920.200	P28	McClelland Rock light buoy P28	ON	2225	Night	1.4m Buoy	1811	Steel	Red	Seasonal	10.00	45° 19' 46.77"	80° 15' 28.2"	Concrete	2270	Chain	18.3	20	2
C-11	921.000	P30	Carling Rock light buoy P30	ON	2224	Night	1.4m Buoy	1811	Steel	Red	Seasonal	19.00	45° 20' 5.58"	80° 14' 10.2"	Concrete	2270	Chain	27.4	20	2
C-11	926.700	P35	Busty Shoal light buoy P35	ON	2224	Night	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.80	45° 20' 49.239"	80° 3' 43.891"	Concrete	2227	Chain	27.4	20	2
C-11	927.000	P37	McKerrel Rock light buoy P37	ON	2224	Night	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	11.00	45° 20' 35.886"	80° 3' 9.965"	Concrete	2227	Chain	27.4	20	2
C-11	8733.000	P9	P9	ON	2225	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	15.00	45° 21' 33"	80° 22' 26"	Concrete	2270	Chain	27.4	20	2
C-11	8734.000	P11	P11	ON	2225	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	10.00	45° 21' 43.122"	80° 21' 50.922"	Concrete	2227	Chain	13.7	20	2
C-11	8735.000	P15	P15 ARTHUR ORR SPAR	ON	2225	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	15.00	45° 20' 56"	80° 20' 0"	Concrete	2270	Chain	13.7	20	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-11	8736.000	P17	P17 MIDDLE GROUND N.	ON	2225	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.00	45° 20' 31"	80° 19' 29"	Concrete	2270	Chain	13.7	20	2
C-11	8737.000	P20	P20	ON	2225	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	12.00	45° 20' 15"	80° 19' 29"	Concrete	2270	Chain	13.7	20	2
C-11	8739.000	P23	P23	ON	2225	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	14.00	45° 20' 15.5"	80° 18' 58"	Concrete	2270	Chain	18.3	20	2
C-11	8740.000	P25	P25	ON	2225	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	16.00	45° 20' 4"	80° 18' 18"	Concrete	2270	Chain	18.3	20	2
C-11	8741.000	P29	SPRUCE ISLAND P29	ON	2224	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	14.00	45° 20' .6"	80° 14' 58.68"	Concrete	2270	Chain	18.3	20	2
C-11	8742.000	P31	DAVY ISLAND P31	ON	2224	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	16.50	45° 20' 16.68"	80° 13' 0"	Concrete	2270	Chain	18.3	20	2
C-11	8743.000	P33	P33	ON	2224	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	45° 21' 33.48"	80° 6' 37.62"	Concrete	545	Chain	13.7	14	2
C-11	8744.000	P39	P39	ON	2224	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.20	45° 20' 33.274"	80° 2' 51.427"	Concrete	2227	Chain	9.1	20	2
C-11	8745.000	P41	P41	ON	2224	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	8.20	45° 20' 15.794"	80° 2' 33.323"	Concrete	2227	Chain	9.1	14	2
C-11	8746.000	P42	P42	ON	2224	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	8.20	45° 20' 12.266"	80° 2' 33.477"	Concrete	817	Chain	10.4	14	2
C-11	8747.000	P43	P43	ON	2224	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.90	45° 20' 12.302"	80° 2' 30.532"	Concrete	817	Chain	10.7	14	2
C-11	8748.000	P44	P44	ON	2224	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	8.50	45° 20' 10.762"	80° 2' 31.643"	Concrete	545	Chain	10.7	14	2
C-11	8749.000	P45	P45	ON	2224	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.90	45° 20' 7.32"	80° 2' 22.731"	Concrete	227	Chain	9.1	14	2
C-11	8760.000	PS2	PS2	ON	2224	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.50	45° 21' .626"	80° 2' 52.696"	Concrete	341	Chain	7.6	14	2
C-11	7914.000	A1	A1	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	14.60	45° 20' 22.76"	80° 14' 31.03"	Concrete	545	Chain	19.8	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-11	7915.000	A2	A2	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.50	45° 20' 25.63"	80° 14' 29.16"	Concrete	545	Chain	9.1	14	2
C-11	7916.000	A3	A3	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.20	45° 21' 3.468"	80° 14' 54"	Concrete	545	Chain	7.6	14	2
C-11	7917.000	A5	A5	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.10	45° 21' 21.158"	80° 17' 17.277"	Concrete	341	Chain	3	14	2
C-11	7918.000	A7	A7	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.10	45° 21' 21.898"	80° 17' 29.502"	Concrete	341	Chain	4.6	14	2
C-11	7919.000	A8	A8	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.10	45° 21' 22.859"	80° 17' 29.989"	Concrete	341	Chain	4.6	14	2
C-11	7920.000	A9	A9	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 21' 18.776"	80° 17' 53.817"	Concrete	341	Chain	4.6	14	2
C-11	7921.000	A10	A10	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 21' 19.445"	80° 18' 1.115"	Concrete	341	Chain	7.6	14	2
C-11	7922.000	A11	A11	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.70	45° 21' 17.543"	80° 18' .48"	Concrete	341	Chain	10.7	14	2
C-11	7923.000	A12	A12	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.50	45° 21' 19.85"	80° 18' 3.47"	Concrete	341	Chain	9.1	14	2
C-11	7924.000	A14	A14	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.70	45° 21' 23.458"	80° 18' 8.089"	Concrete	341	Chain	7.6	14	2
C-11	7925.000	A15	A15	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.30	45° 21' 25.255"	80° 18' 13.035"	Concrete	545	Chain	7.6	14	2
C-11	7926.000	A16	A16	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.40	45° 21' 26.63"	80° 18' 12.651"	Concrete	545	Chain	4.6	14	2
C-11	7927.000	A18	A18	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	45° 21' 31.15"	80° 18' 16.47"	Concrete	545	Chain	6.1	14	2
C-11	7928.000	A19	A19	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 21' 45.648"	80° 18' 20.07"	Concrete	341	Chain	9.1	14	2
C-11	7929.000	A20	A20	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 21' 47.427"	80° 18' 19.396"	Concrete	341	Chain	6.1	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-11	7929.500	A21	A21	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.40	45° 21' 48.966"	80° 18' 23.202"	Concrete	341	Chain	6.1	14	2
C-11	7930.000	A22	A22	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 21' 50.395"	80° 18' 21.462"	Concrete	545	Chain	7.6	14	2
C-11	7931.000	A24	A24	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 21' 55.506"	80° 18' 25.704"	Concrete	341	Chain	6.1	14	2
C-11	7932.000	A25	A25	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	11.90	45° 23' 12.928"	80° 19' 11.584"	Concrete	545	Chain	15.2	14	2
C-11	7933.000	A26	A26	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.80	45° 23' 9.61"	80° 19' 9.822"	Concrete	341	Chain	15.2	14	2
C-11	7934.000	A28	A28	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 23' 18.737"	80° 18' 48.884"	Concrete	341	Chain	7.6	14	2
C-11	7935.000	A30	A30	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.90	45° 23' 29.261"	80° 18' 50.864"	Concrete	341	Chain	7.6	14	2
C-11	7936.000	A31	A31	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 23' 39.304"	80° 18' 53.626"	Concrete	341	Chain	7.6	14	2
C-11	7936.500	A31/1	A31/1	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.70	45° 24' 1.62"	80° 19' 9.12"	Concrete	341	Chain	3.7	20	2
C-11	7936.700	A31/3	A31/3	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.70	45° 24' 11.58"	80° 19' 9.18"	Concrete	341	Chain	3.7	20	2
C-11	7936.900	A31/5	A31/5	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.70	45° 24' 24.06"	80° 19' 7.2"	Concrete	341	Chain	3.7	20	2
C-11	7937.000	A32	A32	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.40	45° 24' 1.382"	80° 19' 7.174"	Concrete	341	Chain	6.1	14	2
C-11	7937.200	A32/2	A32/2	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.70	45° 24' 11.16"	80° 19' 7.32"	Concrete	341	Chain	3.7	20	2
C-11	7938.000	A33	A33	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	45° 24' 29.277"	80° 19' 9.041"	Concrete	341	Chain	4.6	14	2
C-11	7939.000	A34	SHEBESHEKONG CHANNEL A34	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 24' 51.342"	80° 19' 23.334"	Concrete	341	Chain	4.6	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-11	7939.200	A34/2	A34/2	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 24' 57.3"	80° 19' 32.88"	Concrete	545	Chain	4.6	14	2
C-11	7940.000	A35	A35	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 24' 47.713"	80° 19' 20.712"	Concrete	341	Chain	6.1	14	2
C-11	7940.100	A35/1	A35/1	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.70	45° 24' 55.68"	80° 19' 32.58"	Concrete	545	Chain	4.6	14	2
C-11	7940.300	A35/3	A35/3	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 25' 16.5"	80° 19' 49.2"	Concrete	341	Chain	3.7	20	2
C-11	7941.000	A36	A36	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 25' 6.617"	80° 19' 44.712"	Concrete	545	Chain	4.6	14	2
C-11	7942.000	A37	A37	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 25' 32.133"	80° 20' 50.916"	Concrete	545	Chain	9.1	14	2
C-11	7942.800	A38	A38	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 25' 16.74"	80° 19' 47.94"	Concrete	341	Chain	3.7	20	2
C-11	7943.000	A39	A39	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	45° 25' 33.22"	80° 21' 16.264"	Concrete	341	Chain	10.7	14	2
C-11	7944.000	A40	A40	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	8.00	45° 25' 32.218"	80° 21' 41.162"	Concrete	341	Chain	12.2	14	2
C-11	7945.000	A42	A42	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	45° 25' 33.232"	80° 22' 13.089"	Concrete	545	Chain	12.2	14	2
C-11	7946.000	A44	A44	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	8.00	45° 25' 45.584"	80° 23' 20.605"	Concrete	545	Chain	10.4	14	2
C-11	8020.000	AC1	AC1	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	5.50	45° 22' 48.75"	80° 19' 3.029"	Concrete	341	Chain	7.6	14	2
C-11	8021.000	AC2	AC2	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	6.10	45° 22' 46.594"	80° 19' 3.055"	Concrete	341	Chain	9.1	14	2
C-11	8022.000	AD1	AD1	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	2.00	45° 23' 4.089"	80° 19' 49.535"	Concrete	341	Chain	4.6	14	2
C-11	8023.000	AD2	AD2	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	45° 23' 3.92"	80° 19' 44.018"	Concrete	341	Chain	3.7	14	2
C-11	8024.000	AD3	AD3	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 23' 4.586"	80° 19' 52.79"	Concrete	227	Chain	4.6	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-11	8033.000	AH1	AH1	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 21' 18.41"	80° 14' 27.3"	Concrete	341	Chain	4.6	14	2
C-11	8034.000	AH3	AH3	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	1.80	45° 21' 22.11"	80° 14' 24.12"	Concrete	341	Chain	3.7	14	2
C-11	8035.000	AH4	AH4	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.10	45° 21' 21.89"	80° 14' 22.96"	Concrete	341	Chain	3.7	20	2
C-11	8750.000	PA1	PA1	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	9.10	45° 21' 55.901"	80° 20' 24.932"	Concrete	545	Chain	13.7	14	2
C-11	8751.000	PE2	PE2	ON	2224	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	22.90	45° 23' 45.24"	80° 5' 12.06"	Concrete	545	Chain	27.4	14	2
C-11	8752.000	PJ2	PJ2	ON	2203	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	6.00	45° 20' 36.006"	80° 17' 19.057"	Concrete	2227	Chain	9.1	20	2
C-11	8753.000	PJ4	PJ4	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	9.80	45° 20' 52.898"	80° 17' 57.362"	Concrete	545	Chain	13.7	14	2
C-11	8754.000	PJ5	PJ5	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.00	45° 21' 11.378"	80° 18' 15.404"	Concrete	545	Chain	9.1	14	2
C-11	8755.000	PJ6	PJ6	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.00	45° 21' 12.026"	80° 18' 13.753"	Concrete	545	Chain	6.1	14	2
C-11	8756.000	PJ7	PJ7	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.00	45° 21' 23.766"	80° 18' 20.338"	Concrete	545	Chain	7.6	14	2
C-11	8757.000	PJ8	PJ8	ON	2203	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	4.00	45° 21' 24.086"	80° 18' 19.924"	Concrete	545	Chain	9.1	14	2
C-11	8757.500	PK1	PK1	ON	2224	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.40	45° 23' 37.8"	80° 7' 53.4"	Concrete	817	Chain	13.7	14	2
C-11	8758.000	PK2	PK2	ON	2224	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.90	45° 23' 46.14"	80° 7' 48.18"	Concrete	545	Chain	9.1	14	2
C-11	8288.000	CS24	CS24	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.20	45° 19' 27.48"	80° 14' 9.84"	Concrete	545	Chain	11.3	14	2
C-11	8290.000	CS27	CS27	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	15.00	45° 19' 53.88"	80° 13' 51.72"	Concrete	545	Chain	20.7	14	2
C-11	8291.000	CT2	CT2	ON	2224	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	20.40	45° 19' 40.267"	80° 11' 29.741"	Concrete	545	Chain	24.4	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-11	8292.000	CT3	CT3	ON	2224	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 19' 35.649"	80° 11' 29.862"	Concrete	341	Chain	4.6	14	2
C-11	8293.000	CT4	CT4	ON	2224	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.10	45° 19' 36.168"	80° 11' 29.543"	Concrete	341	Chain	4.6	14	2
C-11	934.000	MCS	Lone Rock West Cardinal light buoy MCS	ON	2242	Night	0.6m Spar Can (Long)	510	Steel	Yellow-black-yellow	Seasonal (in place year round)	24.10	45° 9' 15.36"	80° 13' 45"	Serrated	1365	Chain	27.4	20	2
C-11	8137.000	C127	C127	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	9.00	45° 0' 48.96"	80° 0' 16.44"	Concrete	545	Chain	12.2	14	2
C-11	8138.000	C127/1	C127/1	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	12.00	45° 1' 1.86"	80° 0' 33.96"	Concrete	545	Chain	15.2	20	2
C-11	8139.000	C128	C128	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	8.50	45° 1' 14.03"	80° 0' 59.83"	Concrete	545	Chain	10.7	20	2
C-11	8140.000	C129	C129	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	45° 1' 58.56"	80° 1' 20.06"	Concrete	545	Chain	9.1	14	2
C-11	8141.000	C130	C130	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.00	45° 2' 9.54"	80° 1' 10.63"	Concrete	545	Chain	15.2	20	2
C-11	8142.000	C131	C131	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	45° 2' 36.96"	80° 1' 4.53"	Concrete	341	Chain	9.1	14	2
C-11	8143.000	C132	C132	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	45° 2' 38.27"	80° 1' 3.96"	Concrete	341	Chain	9.1	14	2
C-11	8144.000	C133	C133	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	45° 2' 52.8"	80° 1' 4.1"	Concrete	545	Chain	9.1	14	2
C-11	8145.000	C134	C134	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	45° 2' 52.62"	80° 1' 3.23"	Concrete	341	Chain	6.1	14	2
C-11	8146.000	C135	C135	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	8.00	45° 3' .75"	80° 1' 3.71"	Concrete	545	Chain	9.1	14	2
C-11	8147.000	C137	C137	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	45° 3' 16.56"	80° 1' 15.6"	Concrete	341	Chain	9.1	14	2
C-11	8148.000	C138	C138	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	13.00	45° 3' 36.42"	80° 2' 51.34"	Concrete	545	Chain	15.2	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-11	8149.000	C139	C139	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	21.00	45° 3' 49.83"	80° 4' 11.76"	Concrete	545	Chain	24.4	14	2
C-11	8150.000	C140	C140	ON	2202	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	15.20	45° 3' 59.62"	80° 4' 50.23"	Concrete	2227	Chain	21.3	20	2
C-11	8151.000	C141	C141	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	11.00	45° 4' 9.49"	80° 4' 59.67"	Concrete	545	Chain	12.2	14	2
C-11	8152.000	C143	C143	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	45° 4' 34.98"	80° 5' 22.91"	Concrete	545	Chain	12.2	14	2
C-11	8153.000	C144	C144	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	45° 4' 53.56"	80° 5' 48.18"	Concrete	545	Chain	13.7	14	2
C-11	8154.000	C145	C145	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	45° 5' 5.58"	80° 5' 55.81"	Concrete	545	Chain	12.2	14	2
C-11	8155.000	C146	C146	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	45° 5' 9.12"	80° 5' 54"	Concrete	545	Chain	9.1	14	2
C-11	8156.000	C147	C147	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	8.00	45° 5' 9.83"	80° 5' 54.91"	Concrete	545	Chain	9.8	14	2
C-11	8157.000	C149	C149	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	8.00	45° 5' 15"	80° 6' .9"	Concrete	545	Chain	13.7	14	2
C-11	8158.000	C150	C150	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	11.00	45° 5' 16.48"	80° 6' .12"	Concrete	545	Chain	12.2	14	2
C-11	8158.500	C152	C152	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.70	45° 5' 39.3"	80° 5' 52.92"	Concrete	341	Chain	4.6	14	2
C-11	8159.000	C153	C153	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.70	45° 5' 38.94"	80° 5' 53.34"	Concrete	545	Chain	4.6	14	2
C-11	8160.000	C154	C154	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.80	45° 5' 40.44"	80° 5' 52.42"	Concrete	545	Chain	7.6	14	2
C-11	8161.000	C156	C156	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	8.20	45° 5' 49.68"	80° 6' 6.96"	Concrete	545	Chain	15.2	14	2
C-11	8162.000	C157	C157	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	17.70	45° 5' 52.92"	80° 6' 19.26"	Concrete	545	Chain	18.3	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-11	8163.000	C158	C158	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	45° 6' 3.6"	80° 6' 27.36"	Concrete	545	Chain	12.2	14	2
C-11	8164.000	C159	C159	ON	2202	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal (in place year round)	5.00	45° 6' 16.32"	80° 6' 23.4"	Concrete	341	Chain	7.6	14	2
C-11	8165.000	C160	C160	ON	2202	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal (in place year round)	3.00	45° 6' 18.48"	80° 6' 22.68"	Concrete	341	Chain	4.6	14	2
C-11	8166.000	C161	C161	ON	2202	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal (in place year round)	3.00	45° 6' 19.08"	80° 6' 23.46"	Concrete	341	Chain	3	14	2
C-11	8167.000	C163	C163	ON	2202	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal (in place year round)	5.00	45° 6' 21"	80° 6' 24.18"	Concrete	341	Chain	7.6	14	2
C-11	8168.000	C164	C164	ON	2202	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal (in place year round)	4.00	45° 6' 21.3"	80° 6' 23.64"	Concrete	341	Chain	6.1	14	2
C-11	8169.000	C165	C165	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	13.10	45° 6' 26.64"	80° 6' 29.94"	Concrete	341	Chain	13.7	14	2
C-11	8170.000	C167	C167	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	45° 6' 40.02"	80° 6' 50.28"	Concrete	545	Chain	10.7	14	2
C-11	8171.000	C169	C169	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 6' 45.84"	80° 6' 51.78"	Concrete	341	Chain	7.6	14	2
C-11	8172.000	C170	C170	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 7' 18.12"	80° 7' 8.58"	Concrete	545	Chain	13.7	14	2
C-11	8173.000	C172	C172	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	9.00	45° 7' 25.74"	80° 7' 11.76"	Concrete	545	Chain	12.2	14	2
C-11	8174.000	C173	C173	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	45° 7' 33.72"	80° 7' 11.58"	Concrete	545	Chain	9.1	14	2
C-11	8175.000	C175	C175	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	12.00	45° 7' 57"	80° 7' 12.84"	Concrete	545	Chain	13.7	14	2
C-11	8176.000	C179	C179	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	13.00	45° 10' 2.1"	80° 7' 50.1"	Concrete	817	Chain	15.2	14	2
C-11	8177.000	C180	C180	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	9.00	45° 10' 14.76"	80° 7' 54.18"	Concrete	341	Chain	12.2	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-11	8178.000	C181	C181	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	45° 10' 48"	80° 8' 11.58"	Concrete	545	Chain	7.6	14	2
C-11	8179.000	C183	C183	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	11.00	45° 11' 12.138"	80° 8' 27.954"	Concrete	545	Chain	13.7	14	2
C-11	8180.000	C184	C184	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.10	45° 12' 15.84"	80° 8' 59.82"	Concrete	545	Chain	9.1	14	2
C-11	8181.000	C185	C185	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	14.00	45° 12' 26.22"	80° 9' 2.1"	Concrete	545	Chain	15.2	14	2
C-11	8182.000	C186	C186	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	45° 12' 26.4"	80° 9' .84"	Concrete	817	Chain	7.6	14	2
C-11	8183.000	C188	C188	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	11.00	45° 12' 31.92"	80° 9' 2.418"	Concrete	341	Chain	13.7	14	2
C-11	8184.000	C189	C189	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	11.00	45° 13' 3.96"	80° 9' 9.06"	Concrete	545	Chain	13.7	14	2
C-11	8185.000	C190	C190	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	11.30	45° 13' 3.96"	80° 9' 6.72"	Concrete	545	Chain	13.7	14	2
C-11	8186.000	C193	C193	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.70	45° 13' 56.34"	80° 9' 21.84"	Concrete	341	Chain	7.6	14	2
C-11	8187.000	C194	C194	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	8.00	45° 14' 8.58"	80° 9' 5.1"	Concrete	341	Chain	10.7	14	2
C-11	8188.000	C200	C200	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 15' 15.72"	80° 8' 3.66"	Concrete	341	Chain	7.6	14	2
C-11	8189.000	C201	C201	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 15' 16.5"	80° 8' 3.54"	Concrete	341	Chain	6.1	14	2
C-11	8190.000	C202	C202	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	45° 15' 14.94"	80° 7' 48.3"	Concrete	341	Chain	12.2	14	2
C-11	8191.000	C203	C203	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	45° 15' 15.3"	80° 7' 42.24"	Concrete	341	Chain	7.6	14	2
C-11	8192.000	C204	C204	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	9.50	45° 15' 8.64"	80° 7' 24"	Concrete	341	Chain	12.2	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-11	8192.500	C204/2	C204/2	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.60	45° 15' 7.86"	80° 7' 18.96"	Concrete	341	Chain	6.1	14	2
C-11	8193.000	C205	C205	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.40	45° 15' 9.54"	80° 7' 19.5"	Concrete	341	Chain	6.1	14	2
C-11	8194.000	C206	C206	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.50	45° 15' 15.42"	80° 7' 8.34"	Concrete	341	Chain	7.6	14	2
C-11	8195.000	C207	C207	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	45° 15' 16.14"	80° 7' 9"	Concrete	341	Chain	9.1	14	2
C-11	8196.000	C208	C208	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 15' 17.64"	80° 7' 6.12"	Concrete	341	Chain	7.6	14	2
C-11	8197.000	C209	C209	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 15' 28.74"	80° 6' 51.36"	Concrete	341	Chain	4.6	14	2
C-11	8198.000	C210	C210	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.70	45° 15' 28.26"	80° 6' 51.42"	Concrete	341	Chain	4.6	14	2
C-11	8199.000	C211	C211	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 15' 31.98"	80° 6' 46.14"	Concrete	545	Chain	6.1	14	2
C-11	8200.000	C212	C212	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.70	45° 15' 33"	80° 6' 44.64"	Concrete	341	Chain	3.7	14	2
C-11	8201.000	C213	C213	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.40	45° 16' 13.08"	80° 5' 56.82"	Concrete	341	Chain	7.6	14	2
C-11	8202.000	C217	C217	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.60	45° 17' 40.2"	80° 3' 33.12"	Concrete	341	Chain	9.1	14	2
C-11	8203.000	C219	C219	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 18' .24"	80° 3' 7.02"	Concrete	341	Chain	7.6	14	2
C-11	8204.000	C220	C220	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 18' 2.64"	80° 3' 5.34"	Concrete	341	Chain	6.1	14	2
C-11	8205.000	C221	C221	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 18' 3.3"	80° 3' 5.94"	Concrete	341	Chain	6.1	14	2
C-11	8206.000	C223	C223	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 18' 17.7"	80° 2' 57"	Concrete	341	Chain	7.6	14	2

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BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-11	8207.000	C224	C224	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 18' 17.16"	80° 2' 56.16"	Concrete	341	Chain	7.6	14	2
C-11	8208.000	C226	C226	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 18' 25.32"	80° 2' 49.2"	Concrete	341	Chain	4.6	14	2
C-11	8209.000	C227	C227	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 18' 26.82"	80° 2' 45.9"	Concrete	341	Chain	7.6	14	2
C-11	8209.500	C228	C228	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.70	45° 18' 35.58"	80° 2' 32.46"	Concrete	341	Chain	6.1	14	2
C-11	8219.000	CE2	CE2	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	45° 0' 17.19"	79° 58' 50.4"	Concrete	341	Chain	10.7	14	2
C-11	8220.000	CE4	CE4	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 0' 37.49"	79° 58' 50.51"	Concrete	341	Chain	4.6	20	2
C-11	8221.000	CE5	CE5	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	45° 0' 39.44"	79° 58' 50.94"	Concrete	341	Chain	6.1	20	2
C-11	8222.000	CE6	CE6	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	45° 0' 39.63"	79° 58' 49.8"	Concrete	341	Chain	9.1	20	2
C-11	8223.000	CE8	CE8	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.60	45° 0' 43.74"	79° 59' 7.28"	Concrete	341	Chain	9.1	14	2
C-11	8224.000	CH1	CH1	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 1' 28.8"	80° 0' 46.74"	Concrete	341	Chain	6.1	14	2
C-11	8225.000	CH2	CH2	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 1' 29.82"	80° 0' 45.76"	Concrete	341	Chain	6.1	14	2
C-11	8226.000	CH4	CH4	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 1' 38.94"	80° 0' 44.22"	Concrete	341	Chain	4.9	14	2
C-11	8226.006	CH4/2	CH4/2	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.80	45° 1' 43.14"	80° 0' 34.74"	Concrete	341	Chain	7.6	14	2
C-11	8227.000	CH5	CH5	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 1' 44.21"	80° 0' 35.91"	Concrete	341	Chain	6.1	14	2
C-11	8228.000	CH6	CH6	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 1' 47.94"	80° 0' 33.19"	Concrete	341	Chain	5	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-11	8229.000	CH7	CH7	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 1' 49.5"	80° 0' 33.66"	Concrete	341	Chain	6.1	14	2
C-11	8230.000	CH9	CH9	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 1' 54"	80° 0' 34.26"	Concrete	341	Chain	5.5	14	2
C-11	8231.000	CH10	CH10	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 1' 54.18"	80° 0' 33.41"	Concrete	341	Chain	4	14	2
C-11	8232.000	CH11	CH11	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 2' 6.78"	80° 0' 38.06"	Concrete	341	Chain	4.9	14	2
C-11	8233.000	CJ	CJ	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red-green-red	Seasonal (in place year round)	3.00	45° 5' 4.2"	80° 0' 10.08"	Concrete	341	Chain	5.5	20	2
C-11	8234.000	CJ2	CJ2	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 5' 4.8"	80° 0' 12.9"	Concrete	341	Chain	5.8	20	2
C-11	8235.000	CK2	CK2	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 9' 2.34"	80° 5' 22.68"	Concrete	341	Chain	4.6	14	2
C-11	8236.000	CK4	CK4	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 8' 29.64"	80° 3' 32.52"	Concrete	341	Chain	4.6	14	2
C-11	8237.000	CL1	CL1	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	45° 5' 1.38"	80° 0' 7.08"	Concrete	341	Chain	6.4	20	2
C-11	8237.100	CL1/1	CL1/1	ON	2202	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal (in place year round)	2.40	45° 5' 3.19"	80° 0' 8.4"	Concrete	341	Chain	3.7	14	2
C-11	8238.000	CL2	CL2	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 4' 58.68"	80° 0' 6.66"	Concrete	341	Chain	4.6	20	2
C-11	8239.000	CM1	CM1	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	8.00	45° 10' 44.64"	80° 6' 57.12"	Concrete	545	Chain	10.7	14	2
C-11	8240.000	CN	CN	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red-green-red	Seasonal (in place year round)	3.00	45° 13' 55.38"	80° 9' 41.28"	Concrete	341	Chain	9.1	14	2
C-11	8241.000	CN1	CN1	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	22.00	45° 12' 9.96"	80° 10' 7.14"	Concrete	545	Chain	30.5	14	2
C-11	8242.000	CP	CP	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red-green-red	Seasonal (in place year round)	6.10	45° 13' 6.6"	80° 10' 6.18"	Concrete	545	Chain	7.6	14	2

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BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-11	8243.000	CP1	CP1	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	45° 13' 3.9"	80° 10' 20.82"	Concrete	545	Chain	15.2	14	2
C-11	8243.500	CP2	CP2	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.90	45° 13' 25.86"	80° 10' 57.06"	Concrete	227	Chain	9.1	14	2
C-11	8244.000	CP2/2	CP2/2	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 13' 26.88"	80° 11' 12.24"	Concrete	545	Chain	10.7	14	2
C-11	8245.000	CP3	CP3	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.10	45° 13' 24.72"	80° 11' 15.36"	Concrete	341	Chain	9.1	14	2
C-11	8246.000	CP4	CP4	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	45° 13' 24.78"	80° 11' 23.16"	Concrete	341	Chain	15.2	14	2
C-11	8247.000	CP6	CP6	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	9.00	45° 13' 26.52"	80° 11' 34.92"	Concrete	545	Chain	10.7	14	2
C-11	8247.200	CP6/2	CP6/2	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.10	45° 13' 30.06"	80° 11' 36.3"	Concrete	545	Chain	9.1	14	2
C-11	8248.000	CP7	CP7	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	45° 13' 29.1"	80° 11' 37.32"	Concrete	341	Chain	12.2	14	2
C-11	8248.050	CP8	CP8	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 13' 34.32"	80° 11' 36.12"	Concrete	341	Chain	10.7	14	2
C-11	8249.000	CP9	CP9	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 13' 36.3"	80° 11' 36.9"	Concrete	341	Chain	7.6	14	2
C-11	8250.000	CP10	CP10	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	45° 13' 51.84"	80° 11' 31.92"	Concrete	341	Chain	13.7	14	2
C-11	8251.000	CP11	CP11	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	9.00	45° 13' 58.86"	80° 11' 30.24"	Concrete	341	Chain	13.7	14	2
C-11	8252.000	CP13	CP13	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	45° 13' 58.38"	80° 11' 37.14"	Concrete	341	Chain	15.2	14	2
C-11	8253.000	CP14	CP14	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.70	45° 13' 59.28"	80° 11' 41.16"	Concrete	545	Chain	9.1	14	2
C-11	8254.000	CP15	CP15	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 14' 9.06"	80° 11' 59.7"	Concrete	545	Chain	7.6	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-11	8255.000	CP16	CP16	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 14' 10.14"	80° 12' .24"	Concrete	545	Chain	7.6	14	2
C-11	8256.000	CP17	CP17	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	45° 14' 22.2"	80° 12' 6.96"	Concrete	545	Chain	7.6	14	2
C-11	8256.500	CP18	CP18	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.90	45° 14' 23.04"	80° 12' 6.36"	Concrete	817	Chain	7.6	14	2
C-11	8257.000	CP19	CP19	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	45° 14' 25.44"	80° 12' 8.58"	Concrete	341	Chain	7.6	14	2
C-11	8258.000	CP21	CP21	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	45° 14' 30.12"	80° 12' 11.04"	Concrete	341	Chain	7.6	14	2
C-11	8259.000	CP23	CP23	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	45° 14' 33.3"	80° 12' 12.66"	Concrete	341	Chain	7.6	14	2
C-11	8260.000	CP24	CP24	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.40	45° 14' 33.54"	80° 12' 11.88"	Concrete	341	Chain	7.6	14	2
C-11	8261.000	CP25	CP25	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	45° 14' 40.02"	80° 12' 14.22"	Concrete	545	Chain	7.6	14	2
C-11	8262.000	CP27	CP27	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	45° 14' 46.8"	80° 12' 13.98"	Concrete	341	Chain	9.1	14	2
C-11	8263.000	CP29	CP29	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	9.10	45° 14' 49.98"	80° 12' 34.92"	Concrete	341	Chain	9.1	14	2
C-11	8264.000	CP30	CP30	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	45° 14' 51.12"	80° 12' 35.94"	Concrete	341	Chain	9.1	14	2
C-11	8265.000	CP31	CP31	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	9.10	45° 14' 53.1"	80° 12' 39.06"	Concrete	341	Chain	10.7	14	2
C-11	8265.500	CP32	CP32	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	9.40	45° 15' 5.58"	80° 12' 38.94"	Concrete	227	Chain	13.7	14	2
C-11	8266.000	CP33	CP33	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.40	45° 15' 21.66"	80° 12' 43.32"	Concrete	545	Chain	7.6	14	2
C-11	8267.000	CQ1	CQ1	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 14' 21.6"	80° 11' 51.12"	Concrete	341	Chain	6.1	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-11	8268.000	CQ3	CQ3	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	45° 14' 47.82"	80° 11' 53.88"	Concrete	227	Chain	3.7	20	2
C-11	8269.000	CQ4	CQ4	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.30	45° 14' 47.58"	80° 11' 53.52"	Concrete	227	Chain	6.1	14	2
C-11	8269.100	CQ4/2	CQ4/2	ON	2202	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal (in place year round)	3.70	45° 14' 48.48"	80° 11' 53.88"	Concrete	91	Chain	4.6	14	2
C-11	8269.400	CQ4/4	CQ4/4	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 15' 4.8"	80° 11' 57.84"	Concrete	341	Chain	4.6	14	2
C-11	8270.000	CQ5	CQ5	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 15' 11.52"	80° 11' 58.26"	Concrete	341	Chain	5.5	14	2
C-11	8271.000	CQ7	CQ7	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.70	45° 15' 18.54"	80° 12' 4.08"	Concrete	341	Chain	6.1	14	2
C-11	8272.500	CS1	CS1	ON	2242	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	39.60	45° 10' 8.82"	80° 12' 37.68"	Concrete	2227	Chain	42.7	14	2
C-11	8274.000	CS5	CS5	ON	2202	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	25.60	45° 13' 11.04"	80° 13' 2.82"	Concrete	2227	Chain	27.4	20	2
C-11	8276.000	CS8	CS8	ON	2202	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	15.20	45° 14' 8.64"	80° 13' 57.48"	Concrete	2227	Chain	13.7	20	2
C-11	8277.000	CS9	CS9	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	24.00	45° 14' 34.62"	80° 14' 10.56"	Concrete	545	Chain	29	14	2
C-11	8278.000	CS11	CS11	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	16.50	45° 15' 8.76"	80° 14' 14.88"	Concrete	545	Chain	15.2	14	2
C-11	8279.000	CS12	CS12	ON	2202	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	19.00	45° 15' 20.52"	80° 13' 59.76"	Concrete	2227	Chain	27.4	20	2
C-11	8281.000	CS14	CS14	ON	2202	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	12.00	45° 16' 1.08"	80° 13' 57.18"	Concrete	2227	Chain	13.7	20	2
C-11	8282.000	CS15	CS15	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	13.70	45° 16' 56.88"	80° 14' 10.32"	Concrete	341	Chain	16.2	14	2
C-11	8283.000	CS16	CS16	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.00	45° 17' 36.42"	80° 13' 59.34"	Concrete	545	Chain	9.4	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-11	8284.000	CS18	CS18	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.20	45° 17' 55.08"	80° 13' 51.18"	Concrete	545	Chain	15.2	14	2
C-11	8285.000	CS19	CS19	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.90	45° 18' 37.62"	80° 14' 19.08"	Concrete	545	Chain	11.3	14	2
C-11	8286.000	CS20	CS20	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.90	45° 18' 39.3"	80° 14' 18.24"	Concrete	545	Chain	11.3	14	2
C-11	8287.000	CS22	CS22	ON	2202	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	5.80	45° 18' 40.44"	80° 14' 23.34"	Concrete	2227	Chain	7.6	20	2
C-11	8294.000	CU1	CU1	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	8.00	45° 13' 26.94"	80° 10' 12"	Concrete	545	Chain	10.7	14	2
C-11	8294.100	CV1	CV1	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	8.20	45° 15' 23.4"	80° 8' 41.58"	Concrete	341	Chain	8.2	14	2
C-11	8294.200	CV2	CV2	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	1.80	45° 15' 32.88"	80° 8' 28.44"	Concrete	227	Chain	3	14	2
C-11	8294.300	CV3	CV3	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 15' 33.06"	80° 8' 28.86"	Concrete	91	Chain	3.7	14	2
C-11	9979.050	GBC	GBC	ON	2242	Unlit	0.6m Spar Can (Long)	510	Steel	Red-white	Seasonal (in place year round)	22.90	45° 0' 48.78"	80° 5' 52.02"	Concrete	2227	Chain	27.4	20	2
C-11	9979.060	GBD	GBD	ON	2242	Unlit	0.6m Spar Can (Long)	510	Steel	Red-white	Seasonal (in place year round)	27.10	45° 2' 29.88"	80° 5' 52.08"	Concrete	2227	Chain	30.5	20	2
C-11	9979.062	GBH2	GBH2	ON	2242	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	18.90	45° 5' 35.76"	80° 8' 53.76"	Concrete	2227	Chain	27.4	20	2
C-11	9979.064	GBH4	GBH4	ON	2242	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	34.80	45° 7' 33.9"	80° 10' 19.02"	Concrete	2227	Chain	41.1	20	2
C-11	9979.080	GBH6	GBH6	ON	2202	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	12.20	45° 8' 11.76"	80° 9' 1.08"	Concrete	2227	Chain	18.3	20	2
C-11	9979.090	GBH7	GBH7	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	25.00	45° 8' 20.04"	80° 8' 57.6"	Concrete	545	Chain	27.4	14	2
C-11	9979.110	GBH9	GBH9	ON	2202	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	28.40	45° 8' 33.24"	80° 8' 9.54"	Concrete	2227	Chain	36.6	20	2

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-11	9979.130	GBH11	GBH11	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.70	45° 9' 0"	80° 7' 42.9"	Concrete	545	Chain	13.7	14	2
C-11	9981.000	GB7	GB7	ON	2242	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	31.70	45° 4' 13.68"	80° 5' 55.62"	Concrete	545	Chain	36.6	20	2
C-11	9982.000	GB8	GB8	ON	2242	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	25.90	45° 3' 59.508"	80° 5' 45.54"	Concrete	2227	Chain	35.1	20	2

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Georgian Bay, Small Craft Channel South, Port Severn Section
Contract Area no.:	C-12
Province(s):	Ontario
Contract Area Description:	The Contract Area includes a portion of the southern Georgian Bay Small Craft channel, between Penatanguishine and 'Go Home' Bay.
Coast Guard Depot:	Parry Sound, Ontario
Commissioning date:	May 1st
Decommissioning date:	November 15th
Total no. of buoys:	275
Max. buoy size(m) diameter :	0.6
Maximum anchor size (weight (kg)):	1363
Maximum buoy weight (kg) :	637
Maximum water depth (m) :	23
Operational Season:	May 1st to November 15th
Overview of work activities:	All buoys are 'seasonal, in-place year round'; 11 buoys have removable lanterns, which are placed onto the buoy at Commissioning & removed at Decommissioning. At Commissioning, work includes position verification, addition of lanterns and, as required, tape & numbers. The work includes planned cyclical mooring inspections and replacement over a 5 year cycle, i.e. 20% of the buoy moorings are inspected and replaced each year. Decommissioning work includes removal of lanterns. Unscheduled work includes response to discrepancies during the operational season.
Comment:	

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-12	858.000	M3	Bennet Bank light buoy M3	ON	2241	Night	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	14.00	44° 52' 24.54"	80° 1' 26.94"	Concrete	2227	Chain	27.4	20	2
C-12	860.000	M6	Sawlog Point light buoy M6	ON	2241	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.00	44° 52' 26.747"	79° 57' 4.754"	Concrete	2227	Chain	27.4	20	2
C-12	862.000	M12	Pinery Point light buoy M12	ON	2241	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	9.00	44° 50' 22.71"	79° 53' 38.32"	Concrete	2227	Chain	18.3	20	2
C-12	863.000	M13	Candlemas Shoal light buoy M13	ON	2241	Night	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	11.00	44° 49' 14.908"	79° 52' 28.248"	Concrete	2227	Chain	18.3	20	2
C-12	870.000	M20	Midland Bay Shoal light buoy M20	ON	2221	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	10.00	44° 45' 57"	79° 52' 44"	DOR-MOR	227	Chain	27.4	20	2
C-12	8600.300	M	Watcher Reef West Cardinal M	ON	2241	Unlit	0.6m Spar Can (Long)	510	Steel	Yellow-black-yellow	Seasonal (in place year round)	20.10	44° 56' 35.194"	80° 5' 39.405"	Serrated	1365	Chain	27.4	20	2
C-12	8600.500	M2	LOTTIE WOLF ROCK M2	ON	2241	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	15.00	44° 55' 44.927"	80° 10' 23.226"	Concrete	2227	Chain	27.4	20	2
C-12	8601.000	M5	INDIAN BELLE RK. M5	ON	2241	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	22.00	44° 53' 10.288"	79° 57' 31.267"	Concrete	2227	Chain	27.4	20	2
C-12	8602.000	M9	GIN ISLAND M9	ON	2241	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	17.00	44° 51' 13.937"	79° 53' 41.264"	Concrete	2227	Chain	18.3	20	2
C-12	8603.000	M14	CANDLEMAS SHOAL M14	ON	2241	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	9.00	44° 49' 22.731"	79° 52' 44.308"	Concrete	2270	Chain	13.7	20	2
C-12	8604.000	M15	ROSS SHOAL M15	ON	2241	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	9.00	44° 48' 24.473"	79° 51' 55.774"	Concrete	2227	Chain	13.7	20	2
C-12	883.000	MM4	Flat Point light buoy MM4	ON	2241	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	10.00	44° 46' 31.451"	79° 48' 6.237"	Concrete	2227	Chain	19.8	20	2
C-12	884.000	MV1	Victoria Harbour light buoy MV1	ON	2223	Night	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	44° 45' 10.5"	79° 47' 12"	Concrete	341	Chain	6.1	14	2
C-12	885.000	MC4	Sturgeon Point light buoy MC4	ON	2241	Night	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.10	44° 46' 18.034"	79° 45' 19.86"	Concrete	545	Chain	9.1	14	2
C-12	895.000	MK	Roberts Island light buoy MK	ON	2202	Night	0.6m Spar Can (Long)	510	Steel	Red-white	Seasonal (in place year round)	6.00	44° 50' 24.366"	79° 50' 50.67"	Concrete	2227	Chain	13.7	20	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-12	895.500	MN5	Tonch Point light buoy MN5	ON	2202	Night	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 51' 42.924"	79° 50' 56.77"	Concrete	545	Chain	6.1	14	2
C-12	902.400	MC	Spain Rock light buoy MC	ON	2241	Night	0.6m Spar Can (Long)	510	Steel	Yellow-black-yellow	Seasonal (in place year round)	22.30	44° 59' 38.677"	80° 5' 2.329"		1365	Chain	27.4	20	2
C-12	8042.000	C	C	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green-red-green	Seasonal (in place year round)	3.00	44° 47' 12.66"	79° 43' 48.66"	Concrete	341	Chain	6.1	14	2
C-12	8042.200	C4	C4	ON	2202	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal (in place year round)	2.40			Concrete	341	Chain	4.6	14	2
C-12	8043.000	C5	C5	ON	2202	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal (in place year round)	2.10			Concrete	454	Chain	4.6	14	2
C-12	8044.000	C6	C6	ON	2202	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal (in place year round)	1.50	0° 0' 0"	0° 0' 0"	Concrete	341	Chain		14	2
C-12	8045.000	C7	C7	ON	2202	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal (in place year round)	6.70	0° 0' 0"	0° 0' 0"	Concrete	341	Chain	9.1	14	2
C-12	8045.100	C7/1	C7/1	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Temporary	5.50	0° 0' 0"	0° 0' 0"	Concrete	227	Chain	9.1	14	2
C-12	8046.000	C8	C8	ON	2202	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal (in place year round)	3.70	0° 0' 0"	0° 0' 0"	Concrete	341	Chain	6.1	14	2
C-12	8047.000	C7/3	C7/3	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Temporary	2.40			Concrete	227	Chain	4.6	14	2
C-12	8047.010	C7/5	C7/5	ON	2203	Unlit	0.3m Spar Can-Plastic (ORT)	66	Plastic	Green	Temporary	6.70	44°47' 58.86"	79° 43' 22.560"	Concrete		Chain	2.4		2
C-12	8047.200	C8/2	C8/2	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Temporary	3.00			Concrete	227	Chain	4.6	14	2
C-12	8047.400	C8/4	C8/4	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Temporary	3.00			Concrete	227	Chain	4.6	14	2
C-12	8047.600	C8/6	C8/6	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Temporary	2.40			Concrete	341	Chain	4.6	14	2
C-12	8047.900	C9	C9	ON	2202	Unlit	0.3m Spar Can (ORT)	80	Plastic	Green	Seasonal (in place year round)	3.00	44° 47' 57.24"	79° 43' 23.76"	Concrete	545	Chain	4.6	14	2
C-12	8048.000	C10	C10	ON	2202	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal (in place year round)	3.00	44° 47' 58.4"	79° 43' 23.7"	Concrete	341	Chain	4.6	14	2
C-12	8049.000	C11	C11	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	44° 47' 56.57"	79° 43' 25.26"	Concrete	341	Chain	7.6	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-12	8050.000	C12	C12	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.70	44° 47' 57.6"	79° 43' 25.49"	Concrete	341	Chain	6.1	14	2
C-12	8051.000	C13	C13	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	44° 47' 55.73"	79° 43' 31.47"	Concrete	341	Chain	9.1	14	2
C-12	8052.000	C14	C14	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 47' 56.45"	79° 43' 31.94"	Concrete	341	Chain	4.6	14	2
C-12	8053.000	C15	C15	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	44° 47' 49.12"	79° 43' 46.14"	Concrete	341	Chain	7.6	14	2
C-12	8054.000	C16	C16	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.40	44° 47' 49.92"	79° 43' 47.46"	Concrete	341	Chain	6.1	14	2
C-12	8055.000	C17	C17	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.70	44° 47' 43.56"	79° 43' 52.2"	Concrete	341	Chain	4.6	14	2
C-12	8056.000	C18	C18	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	44° 47' 29.7"	79° 43' 43.79"	Concrete	341	Chain	4.6	14	2
C-12	8057.000	C19	C19	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 47' 17.58"	79° 43' 43.52"	Concrete	341	Chain	4.6	14	2
C-12	8058.000	C21	C21	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.30	44° 47' 7.32"	79° 44' 3.83"	Concrete	341	Chain	6.1	14	2
C-12	8058.500	C22	C22	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Temporary	3.00	44° 47' 10.5"	79° 44' 8"	Concrete	341	Chain	4.6	14	2
C-12	8059.000	C23	C23	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 47' 10.52"	79° 44' 14.56"	Concrete	341	Chain	4.6	14	2
C-12	8060.000	C25	C25	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.70	44° 47' 13.92"	79° 44' 47.1"	Concrete	341	Chain	4.6	14	2
C-12	8061.000	C27	C27	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.10	44° 47' 16.38"	79° 44' 55.8"	Concrete	341	Chain	6.1	14	2
C-12	8062.000	C28	C28	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	44° 47' 18.22"	79° 45' 4.89"	Concrete	341	Chain	4.6	14	2
C-12	8062.200	C28/2	C28/2	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 47' 18.54"	79° 45' 8.34"	Concrete	341	Chain	4.6	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-12	8063.000	C29	C29	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.40	44° 47' 19.88"	79° 45' 16.8"	Concrete	341	Chain	6.1	14	2
C-12	8064.000	C31	C31	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 47' 23.28"	79° 45' 25.77"	Concrete	341	Chain	4.6	14	2
C-12	8065.000	C31/5	C31/5	ON	2202	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal (in place year round)	2.10	44° 47' 16.37"	79° 45' 31.68"	Concrete	91	Chain	2.1	14	2
C-12	8066.000	C32	C32	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 47' 23.884"	79° 45' 27.36"	Concrete	341	Chain	6.1	14	2
C-12	8066.200	C32/2	C32/2	ON	2202	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Temporary	1.80	44° 47' 16.74"	79° 45' 31.8"	Concrete	227	Chain	1.5	14	2
C-12	8067.000	C33	C33	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	44° 47' 14.24"	79° 45' 33.3"	Concrete	341	Chain	4	14	2
C-12	8068.000	C34	C34	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	44° 47' 14.48"	79° 45' 33.87"	Concrete	227	Chain	4.6	14	2
C-12	8068.100	C35	C35	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.90	44° 47' 16.02"	79° 45' 55.74"	Concrete	341	Chain	7.6	20	2
C-12	8069.000	C36	C36	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.50	44° 47' 15.25"	79° 45' 38.46"	Concrete	341	Chain	4	14	2
C-12	8070.000	C38	C38	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.40	44° 47' 19.39"	79° 46' 3.02"	Concrete	341	Chain	6.1	14	2
C-12	8071.000	C39	C39	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.10	44° 47' 20.3"	79° 46' 14.63"	Concrete	341	Chain	7	14	2
C-12	8072.000	C40	C40	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.50	44° 47' 21.63"	79° 46' 14.14"	Concrete	341	Chain	7.6	14	2
C-12	8073.000	C42	C42	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.50	44° 47' 25.02"	79° 46' 23.95"	Concrete	341	Chain	6.1	14	2
C-12	8074.000	C44	C44	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	44° 47' 26.45"	79° 46' 31.84"	Concrete	341	Chain	6.1	14	2
C-12	8075.000	C45	C45	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.10	44° 47' 25.33"	79° 46' 34.91"	Concrete	341	Chain	7.6	14	2

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BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-12	8076.000	C46	C46	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	44° 47' 27.06"	79° 46' 38.98"	Concrete	341	Chain	7	14	2
C-12	8077.000	C47	C47	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 47' 27.5"	79° 46' 47.59"	Concrete	545	Chain	6.1	14	2
C-12	8078.000	C49	C49	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	44° 47' 28.83"	79° 46' 59.87"	Concrete	545	Chain	7.6	14	2
C-12	8079.000	C49/1	C49/1	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	44° 47' 30.96"	79° 47' 13.26"	Concrete	545	Chain	9.1	14	2
C-12	8080.000	C50	C50	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	44° 47' 30.29"	79° 47' 1.76"	Concrete	341	Chain	9.1	14	2
C-12	8081.000	C51	C51	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 47' 34.19"	79° 47' 31.4"	Concrete	545	Chain	7.6	14	2
C-12	8081.300	C52/2	C52/2	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	1.80	44° 49' 11.28"	79° 47' 45.96"	Concrete	341	Chain	3	14	2
C-12	8082.000	C53	C53	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.20	44° 49' 6.66"	79° 47' 45.9"	Concrete	545	Chain	7.6	14	2
C-12	8083.000	C53/1	C53/1	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	44° 49' 14.4"	79° 47' 47.92"	Concrete	341	Chain	3	14	2
C-12	8084.000	C54	C54	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	1.80	44° 49' 15.12"	79° 47' 46.97"	Concrete	341	Chain	3.4	14	2
C-12	8085.000	C54/2	C54/2	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 49' 34.56"	79° 47' 52.87"	Concrete	341	Chain	4	20	2
C-12	8086.000	C55	C55	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	44° 49' 36.24"	79° 47' 53.76"	Concrete	341	Chain	3	14	2
C-12	8087.000	C56	C56	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	44° 49' 51.53"	79° 48' 2.95"	Concrete	341	Chain	4	14	2
C-12	8088.000	C57	C57	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 50' 7.5"	79° 48' 10.75"	Concrete	341	Chain	4	14	2
C-12	8089.000	C59	C59	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.40	44° 50' 27.78"	79° 48' 26.856"	Concrete	341	Chain	6.1	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-12	8090.000	C61	C61	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	1.20	44° 50' 30.42"	79° 48' 36.54"	Concrete	91	Chain	3	14	2
C-12	8091.000	C62	C62	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	1.20	44° 50' 30.81"	79° 48' 36.24"	Concrete	341	Chain	2.4	14	2
C-12	8092.000	C63	C63	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	44° 50' 33"	79° 48' 39.68"	Concrete	91	Chain	3	14	2
C-12	8092.100	C63/1	C63/1	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	1.80	44° 50' 34.56"	79° 48' 40.86"	Concrete	227	Chain	3	14	2
C-12	8093.000	C64	C64	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	44° 50' 39.43"	79° 48' 42.72"	Concrete	341	Chain	1.5	14	2
C-12	8094.000	C65	C65	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	44° 50' 42.44"	79° 48' 44.3"	Concrete	227	Chain	3.4	20	2
C-12	8095.000	C66	C66	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	1.50	44° 50' 43.52"	79° 48' 43.58"	Concrete	341	Chain	3.7	14	2
C-12	8096.000	C68	C68	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	1.80	44° 50' 45.33"	79° 48' 55.08"	Concrete	341	Chain	3	14	2
C-12	8096.100	C68/2	C68/2	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	1.80	44° 50' 48.66"	79° 48' 59.58"	Concrete	227	Chain	2.4	14	2
C-12	8097.000	C69	C69	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	44° 50' 50.42"	79° 49' 1.94"	Concrete	341	Chain	4	14	2
C-12	8098.000	C71	C71	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	44° 50' 53.04"	79° 49' 13.68"	Concrete	341	Chain	6.1	14	2
C-12	8099.000	C73	C73	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.50	44° 50' 54.35"	79° 49' 30.14"	Concrete	341	Chain	7.6	14	2
C-12	8100.000	C75	C75	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.70	44° 50' 57.53"	79° 49' 29.58"	Concrete	341	Chain	6.1	14	2
C-12	8101.000	C76	C76	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.50	44° 50' 57.48"	79° 49' 24.36"	Concrete	341	Chain	6.1	14	2
C-12	8102.000	C78	C78	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	44° 51' 9.18"	79° 49' 26.46"	Concrete	341	Chain	4.9	14	2

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BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-12	8103.000	C80	C80	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	44° 51' 18.36"	79° 49' 26.52"	Concrete	341	Chain	5.5	14	2
C-12	8104.000	C81	C81	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 51' 21.18"	79° 49' 29.54"	Concrete	341	Chain	4.9	14	2
C-12	8105.000	C82	C82	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 51' 23.82"	79° 49' 28.9"	Concrete	341	Chain	4	14	2
C-12	8106.000	C83	C83	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.40	44° 51' 29.27"	79° 49' 35.78"	Concrete	341	Chain	6.1	14	2
C-12	8107.000	C84	C84	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 51' 29.1"	79° 49' 34.38"	Concrete	341	Chain	4.6	14	2
C-12	8108.000	C86	C86	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.40	44° 51' 35.64"	79° 49' 39.28"	Concrete	341	Chain	4.9	14	2
C-12	8109.000	C87	C87	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 51' 34.78"	79° 49' 40.12"	Concrete	341	Chain	3	14	2
C-12	8110.000	C89	C89	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 51' 39.4"	79° 49' 40.39"	Concrete	341	Chain	4	14	2
C-12	8111.000	C90	C90	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 51' 42.54"	79° 49' 39.68"	Concrete	341	Chain	6.1	14	2
C-12	8111.100	C91	C91	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	1.80	44° 51' 49.5"	79° 49' 39.9"	Concrete	341	Chain	2.1	14	2
C-12	8111.300	C91/1	C91/1	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.70	44° 51' 57.96"	79° 49' 37.62"	Concrete	341	Chain	3.7	14	2
C-12	8112.000	C92	C92	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 51' 46.01"	79° 49' 39.72"	Concrete	341	Chain	4.6	14	2
C-12	8113.000	C93	C93	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.40	44° 52' 7.09"	79° 49' 35.6"	Concrete	545	Chain	4.6	14	2
C-12	8113.400	C94	C94	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 51' 48.876"	79° 49' 39.054"	Concrete	341	Chain	3	14	2
C-12	8114.000	C95	C95	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.70	44° 52' 19.68"	79° 49' 29.49"	Concrete	341	Chain	4	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-12	8115.000	C95/1	C95/1	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 52' 27"	79° 49' 23.4"	Concrete	341	Chain	4	14	2
C-12	8115.100	C95/3	C95/3	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)		44° 53' 3.816"	79° 49' 53.424"	Concrete	341	Chain	9.1	14	2
C-12	8116.000	C96	C96	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	44° 52' 18.96"	79° 49' 29.04"	Concrete	341	Chain	4	14	2
C-12	8116.200	C96/2	C96/2	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.40	44° 52' 22.926"	79° 49' 25.512"	Concrete	227	Chain	3.7	14	2
C-12	8116.400	C96/4	C96/4	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.90	44° 52' 26.262"	79° 49' 21.714"	Concrete	341	Chain	6.1	14	2
C-12	8117.000	C97	C97	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	13.40	44° 53' 14.304"	79° 50' 4.044"	Concrete	341	Chain	16.8	14	2
C-12	8118.000	C98	C98	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	44° 53' 22.37"	79° 50' 5.64"	Concrete	341	Chain	7.6	14	2
C-12	8119.000	C102	C102	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	44° 54' 18.48"	79° 51' 50.56"	Concrete	545	Chain	13.7	14	2
C-12	8120.000	C104	C104	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	44° 54' 54.98"	79° 53' 57.19"	Concrete	545	Chain	7.6	14	2
C-12	8121.000	C106	C106	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 55' 28.49"	79° 55' .01"	Concrete	341	Chain	7.6	14	2
C-12	8122.000	C107	C107	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	44° 55' 46.75"	79° 55' 18.97"	Concrete	545	Chain	15.2	14	2
C-12	8123.000	C108	C108	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	14.90	44° 56' 6.846"	79° 55' 48.018"	Concrete	341	Chain	18.3	14	2
C-12	8124.000	C109	C109	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	18.00	44° 56' 34.09"	79° 56' 23.32"	Concrete	545	Chain	27.4	14	2
C-12	8124.500	C110	C110	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	9.80	44° 56' 22.32"	79° 56' 8.04"	Concrete	341	Chain	13.7	14	2
C-12	8126.000	C113	C113	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	26.80	44° 57' .66"	79° 57' .29"	Concrete	545	Chain	27.4	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-12	8127.000	C114	C114	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	13.00	44° 58' .16"	79° 57' 30.2"	Concrete	545	Chain	15.2	14	2
C-12	8128.000	C115	C115	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	18.00	44° 58' 3.02"	79° 57' 38.85"	Concrete	545	Chain	24.4	14	2
C-12	8129.000	C116	C116	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	44° 58' 37.12"	79° 57' 58.39"	Concrete	545	Chain	15.2	14	2
C-12	8130.000	C117	C117	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	9.00	44° 58' 52.6"	79° 58' 16.77"	Concrete	545	Chain	10.1	14	2
C-12	8131.000	C118	C118	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.30	44° 59' 10.92"	79° 58' 49.48"	Concrete	545	Chain	10.7	14	2
C-12	8132.000	C120	C120	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.20	44° 59' 14.42"	79° 59' 1.87"	Concrete	545	Chain	9.1	14	2
C-12	8133.000	C121	C121	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	44° 59' 17.92"	79° 59' 13.92"	Concrete	545	Chain	9.1	14	2
C-12	8134.000	C123	C123	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.10	44° 59' 24.91"	79° 59' 23.82"	Concrete	545	Chain	10.7	14	2
C-12	8135.000	C125	C125	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	44° 59' 40.4"	79° 59' 39.86"	Concrete	545	Chain	9.1	14	2
C-12	8136.000	C126	C126	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	44° 59' 40.22"	79° 59' 35.7"	Concrete	545	Chain	9.1	14	2
C-12	8210.000	CA1	CA1	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	9.00	44° 55' 38.49"	79° 52' 51.59"	Concrete	341	Chain	13.7	14	2
C-12	8211.000	CC	HILL BANK BUOY CC	ON	2202	Unlit	0.6m Spar Can (Long)	510	Steel	Black-yellow	Seasonal (in place year round)	9.10	44° 47' 37.55"	79° 48' 11.35"	Concrete	817	Chain	13.7	20	2
C-12	8212.000	CC1	CC1	ON	2202-2	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal (in place year round)	3.00	44° 56' 34.5"	79° 55' 47"	Concrete	341	Chain	5.2	14	2
C-12	8213.000	CC2	CC2	ON	2202-2	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal (in place year round)	2.00	44° 56' 35.5"	79° 55' 46"	Concrete	341	Chain	3.4	14	2
C-12	8214.000	CD1	CD1	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	13.70	44° 58' 29.76"	79° 57' 20"	Concrete	545	Chain	16.8	14	2

Appendix C.2, Central and Arctic Region

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-12	8215.000	CD2	CD2	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.70	44° 58' 35.61"	79° 57' 12.4"	Concrete	545	Chain	13.7	14	2
C-12	8216.000	CD3	CD3	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	9.10	44° 59' 4.58"	79° 56' 44.12"	Concrete	341	Chain	12.2	14	2
C-12	8217.000	CD5	CD5	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	9.10	44° 59' 12.32"	79° 56' 36.06"	Concrete	341	Chain	10.7	14	2
C-12	8218.000	CE1	CE1	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	9.10	44° 59' 19.29"	79° 58' 20.94"	Concrete	545	Chain	12.2	14	2
C-12	8606.500	MA3	MA3	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	16.20	44° 54' 40.441"	79° 54' 32.202"	Concrete	545	Chain	19.8	14	2
C-12	8608.000	MA6	MA6	ON	2241	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	8.00	44° 54' 32.524"	79° 56' 30.491"	Concrete	545	Chain	9.1	14	2
C-12	8609.000	MA5	MA5	ON	2241	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	44° 54' 26.354"	79° 56' 27.455"	Concrete	545	Chain	13.7	14	2
C-12	8610.000	MA4	MA4	ON	2202	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	25.00	44° 55' 5.28"	79° 55' 18.84"	Concrete	2227	Chain	27.4	20	2
C-12	8611.000	MC2	MC2	ON	2241	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	44° 46' 41.497"	79° 46' 45.005"	Concrete	545	Chain	9.1	14	2
C-12	8612.000	MC3	MC3	ON	2241	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	44° 46' 19.6"	79° 45' 17.605"	Concrete	341	Chain	9.1	14	2
C-12	8613.000	MC5	MC5	ON	2241	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.60	44° 46' 20.104"	79° 45' 5.272"	Concrete	341	Chain	7.6	14	2
C-12	8614.000	MC6	MC6	ON	2241	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	44° 46' 18.79"	79° 45' 6.147"	Concrete	341	Chain	9.1	14	2
C-12	8615.000	MC7	MC7	ON	2241	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	44° 46' 20.396"	79° 44' 55.211"	Concrete	341	Chain	9.1	14	2
C-12	8616.000	MC8	MC8	ON	2241	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	44° 46' 19.215"	79° 44' 58.546"	Concrete	341	Chain	9.1	14	2
C-12	8617.000	MC9	MC9	ON	2241	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	44° 46' 20.608"	79° 44' 45.802"	Concrete	545	Chain	7.6	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-12	8618.000	MC10	MC10	ON	2241	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	44° 46' 19.294"	79° 44' 45.262"	Concrete	545	Chain	7.6	14	2
C-12	8619.000	MC11	MC11	ON	2241	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	44° 46' 21.935"	79° 44' 39.84"	Concrete	545	Chain	9.1	14	2
C-12	8620.000	MC12	MC12	ON	2241	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 46' 20.754"	79° 44' 39.896"	Concrete	545	Chain	6.1	14	2
C-12	8621.000	MC13	MC13	ON	2241	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	44° 46' 22.48"	79° 44' 33.952"	Concrete	341	Chain	9.1	14	2
C-12	8622.000	MC15	MC15	ON	2241	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	44° 46' 19.626"	79° 44' 18.209"	Concrete	341	Chain	9.1	14	2
C-12	8623.000	MC16	MC16	ON	2241	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	44° 46' 10.601"	79° 44' 16.532"	Concrete	341	Chain	9.1	14	2
C-12	8624.000	MC17	MC17	ON	2241	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.10	44° 46' 11.278"	79° 44' 13.253"	Concrete	341	Chain	7.6	14	2
C-12	8625.000	MC18	MC18	ON	2241	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	44° 46' 6.898"	79° 44' 14.054"	Concrete	341	Chain	9.1	14	2
C-12	8626.000	MC19	MC19	ON	2241	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.50	44° 46' 4.39"	79° 44' 9.024"	Concrete	341	Chain	7.6	14	2
C-12	8627.000	MC20	MC20	ON	2241	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	44° 46' 2.704"	79° 44' 10.868"	Concrete	341	Chain	9.1	14	2
C-12	8628.000	MC21	MC21	ON	2241	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	44° 46' 1.019"	79° 43' 51.455"	Concrete	341	Chain	7.6	14	2
C-12	8629.000	MC22	MC22	ON	2241	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	44° 45' 59.745"	79° 43' 52.349"	Concrete	545	Chain	7.6	14	2
C-12	8630.000	MC27	MC27	ON	2241	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 45' 51.12"	79° 43' 19.876"	Concrete	545	Chain	5.8	14	2
C-12	8631.000	MC28	MC28	ON	2241	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 45' 42.436"	79° 43' 22.874"	Concrete	545	Chain	6.1	14	2
C-12	8632.000	MC29	MC29	ON	2241	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 45' 45.839"	79° 43' 5.533"	Concrete	341	Chain	4.9	14	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-12	8633.000	MC30	MC30	ON	2241	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 45' 44.361"	79° 43' 4.757"	Concrete	341	Chain	4	14	2
C-12	8634.000	MC31	MC31	ON	2241	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 45' 45.456"	79° 42' 58.015"	Concrete	341	Chain	4.9	14	2
C-12	8635.000	MC32	MC32	ON	2241	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	44° 45' 44.41"	79° 42' 58.141"	Concrete	341	Chain	7.6	14	2
C-12	8636.000	MC33	MC33	ON	2241	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	44° 45' 44.849"	79° 42' 45.732"	Concrete	341	Chain	9.1	14	2
C-12	8637.000	MC34	MC34	ON	2241	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	44° 45' 44.316"	79° 42' 46.62"	Concrete	341	Chain	7.6	14	2
C-12	8638.000	MC35	MC35	ON	2241	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	44° 45' 43.405"	79° 42' 40.946"	Concrete	341	Chain	4	14	2
C-12	8639.000	MC36	MC36	ON	2241	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	44° 45' 42.778"	79° 42' 40.709"	Concrete	341	Chain	7.6	14	2
C-12	8640.000	MC37	MC37	ON	2241	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	44° 45' 42.116"	79° 42' 35.678"	Concrete	341	Chain	6.1	14	2
C-12	8641.000	MC38	MC38	ON	2241	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 45' 41.573"	79° 42' 36.363"	Concrete	341	Chain	4.9	14	2
C-12	8642.000	MC39	MC39	ON	2241	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 45' 41.14"	79° 42' 32.087"	Concrete	341	Chain	4.9	14	2
C-12	8643.000	MC40	MC40	ON	2241	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 45' 40.01"	79° 42' 33.003"	Concrete	227	Chain	5.2	20	2
C-12	8644.000	MC41	MC41	ON	2241	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	1.80	44° 45' 39.78"	79° 42' 31.68"	Concrete	341	Chain	3	14	2
C-12	8645.000	MC43	MC43	ON	2241	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.40	44° 45' 35.5"	79° 42' 29.118"	Concrete	341	Chain	4.3	20	2
C-12	8646.000	MC45	MC45	ON	2241	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 45' 33.698"	79° 42' 27.232"	Concrete	227	Chain	4.9	20	2
C-12	8647.000	MC47	MC47	ON	2241	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 45' 33.161"	79° 42' 24.06"	Concrete	227	Chain	5.2	20	2

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BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-12	8648.000	MC49	MC49	ON	2241	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	44° 45' 33.738"	79° 42' 21.3"	Concrete	341	Chain	4	14	2
C-12	8649.000	MC50	MC50	ON	2241	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 45' 33.21"	79° 42' 20.909"	Concrete	341	Chain	4.9	14	2
C-12	8650.000	MC51	MC51	ON	2241	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 45' 34.495"	79° 42' 16.025"	Concrete	341	Chain	4.6	14	2
C-12	8651.000	MC52	MC52	ON	2241	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 45' 33.868"	79° 42' 15.85"	Concrete	341	Chain	3.7	14	2
C-12	8652.000	MC53	MC53	ON	2241	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	44° 45' 31.941"	79° 42' 8.919"	Concrete	227	Chain	6.1	14	2
C-12	8653.000	MC54	MC54	ON	2241	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 45' 31.125"	79° 42' 9.08"	Concrete	341	Chain	6.1	14	2
C-12	8674.000	ME2	ME2	ON	2218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	44° 48' 32"	79° 56' 10"	Concrete	341	Chain	6.1	14	2
C-12	8675.000	ME3	ME3	ON	2218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	44° 48' 20"	79° 56' 14.5"	Concrete	341	Chain	7.6	14	2
C-12	8676.000	ME4	ME4	ON	2218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	44° 48' 25"	79° 56' 17"	Concrete	341	Chain	7.6	14	2
C-12	8677.000	ME5	ME5	ON	2218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	44° 47' 58"	79° 56' 16"	Concrete	341	Chain	9.1	14	2
C-12	8678.000	ME6	ME6	ON	2218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	44° 47' 17"	79° 56' 25.5"	Concrete	341	Chain	9.1	14	2
C-12	8679.000	ME8	ME8	ON	2218	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.60	44° 46' 43"	79° 56' 31.5"	Concrete	341	Chain	9.1	14	2
C-12	8680.000	ME9	ME9	ON	2218	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	44° 46' 41"	79° 56' 25"	Concrete	341	Chain	7.6	14	2
C-12	8681.000	MH2	OSPREY BANK MH2	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	9.80	44° 52' 35.34"	79° 53' 49.55"	Concrete	545	Chain	10.7	14	2
C-12	8681.500	MH2/2	MH2/2	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.90	44° 53' 18.79"	79° 54' 4.2"	Concrete	545	Chain	7.6	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-12	8682.000	MH3	MH3	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	11.00	44° 53' 25.48"	79° 54' 5.38"	Concrete	341	Chain	12.2	14	2
C-12	8682.500	MH3/1	MH3/1	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.40	44° 53' 27.41"	79° 54' 5.145"	Concrete	341	Chain	7.6	14	2
C-12	8683.000	MH4	MH4	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.10	44° 53' 25.53"	79° 54' 4.37"	Concrete	341	Chain	10.7	14	2
C-12	8683.500	MH4/2	MH4/2	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	44° 53' 27.5"	79° 54' 4.233"	Concrete	341	Chain	6.1	14	2
C-12	8684.000	MH5	MH5	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	44° 53' 29.47"	79° 54' 4.92"	Concrete	545	Chain	7.6	14	2
C-12	8684.500	MH5/1	MH5/1	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.60	44° 53' 42.57"	79° 54' 10.72"	Concrete	341	Chain	7.6	14	2
C-12	8685.000	MH6	MH6	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 53' 29.25"	79° 54' 3.9"	Concrete	341	Chain	7.6	14	2
C-12	8686.000	MH7	MH7	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.90	44° 53' 42.9"	79° 54' 11.84"	Concrete	545	Chain	9.1	14	2
C-12	8687.000	MH8	MH8	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	44° 53' 41.34"	79° 54' 7.14"	Concrete	341	Chain	9.1	14	2
C-12	8688.000	MH9	MH9	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	11.00	44° 53' 51.43"	79° 54' 34.23"	Concrete	341	Chain	13.7	14	2
C-12	8688.500	MH9/1	MH9/1	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	18.60	44° 54' 25.34"	79° 54' 17.5"	Concrete	545	Chain	22.9	14	2
C-12	8689.000	MH10	MH10	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.00	44° 53' 52.98"	79° 54' 32.97"	Concrete	341	Chain	13.7	14	2
C-12	8690.000	MH11	MH11	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	44° 54' 52.26"	79° 54' 25.25"	Concrete	341	Chain	9.1	14	2
C-12	8691.000	MH12	MH12	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.70	44° 54' 54.45"	79° 54' 22.71"	Concrete	545	Chain	7.6	14	2
C-12	8692.000	MJ1	MJ1	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	44° 53' 17.46"	79° 53' 18.19"	Concrete	341	Chain	7.6	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-12	8693.000	MJ2	MJ2	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	44° 53' 19.24"	79° 53' 18.48"	Concrete	341	Chain	9.1	14	2
C-12	8694.000	MJ3	MJ3	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	44° 53' 25.38"	79° 53' 28.06"	Concrete	341	Chain	7.6	14	2
C-12	8695.000	MJ6	MJ6	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	44° 53' 41.16"	79° 53' 35.58"	Concrete	341	Chain	9.1	14	2
C-12	8696.000	MJ8	MJ8	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	44° 53' 49.38"	79° 53' 37.04"	Concrete	545	Chain	6.1	14	2
C-12	8697.000	MJ9	MJ9	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	44° 53' 52.32"	79° 53' 38.43"	Concrete	341	Chain	7.6	14	2
C-12	8698.000	MK1	MK1	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	9.00	44° 49' 26.02"	79° 51' 55.62"	Concrete	341	Chain	12.2	14	2
C-12	8699.000	MK2	PRESENT ISL. MK2	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	44° 49' 2.82"	79° 51' 49"	Concrete	341	Chain	7	14	2
C-12	8699.100	MK2/2	MK2/2	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.20	44° 50' 39.79"	79° 50' 24"	Concrete	545	Chain	7.6	14	2
C-12	8700.000	MK3	MK3	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 50' 45.84"	79° 50' 8.4"	Concrete	545	Chain	7.6	14	2
C-12	8701.000	MK4	MK4	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 50' 43.74"	79° 50' 7.56"	Concrete	545	Chain	7.6	14	2
C-12	8702.000	MK6	MK6	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 50' 47"	79° 49' 54.26"	Concrete	545	Chain	6.1	14	2
C-12	8706.000	MM10	MM10	ON	2223	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.60	44° 45' 39"	79° 47' 43"	Concrete	545	Chain	7.6	14	2
C-12	8709.000	MN1	MN1	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	44° 50' 46.74"	79° 51' 16.284"	Concrete	341	Chain	9.1	14	2
C-12	8710.000	MN2	MN2	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.40	44° 50' 48.282"	79° 51' 14.418"	Concrete	341	Chain	9.1	14	2
C-12	8710.500	MN3	MN3	ON	2202	Unlit	0.6m SB 60 Spar Can Pl		Plastic	Green	Seasonal (in place year round)	7.30	44° 51' 26.88"	79° 51' 11.76"	Concrete	2227	Chain	9.1	20	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-12	8711.000	MN4	MN4	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 51' 19.674"	79° 51' 9.162"	Concrete	341	Chain	7.6	14	2
C-12	8712.000	MN6	MN6	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	44° 51' 44.82"	79° 50' 49.2"	Concrete	341	Chain	7.6	14	2
C-12	8713.000	MN7	TONCH POINT MN7	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.70	44° 52' 5.62"	79° 50' 43.97"	Concrete	341	Chain	6.1	14	2
C-12	8714.000	MN8	MN8	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 52' 20.76"	79° 50' 39.64"	Concrete	341	Chain	4.6	14	2
C-12	8715.000	MN9	MN9	ON	2202	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal (in place year round)	2.00	44° 52' 21.79"	79° 50' 31.87"	Concrete	341	Chain	3	14	2
C-12	8716.000	MN10	MN10	ON	2202	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal (in place year round)	2.10	44° 52' 20.76"	79° 50' 31.91"	Concrete	227	Chain	2.7	20	2
C-12	8716.500	MN10/2	MN10/2	ON	2202	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Temporary	1.50	44° 52' 18"	79° 50' 28"	Concrete	227	Chain	1.8	14	2
C-12	8717.000	MN11	MN11	ON	2202	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal (in place year round)	1.80	44° 52' 19.45"	79° 50' 23.88"	Concrete	227	Chain	3	14	2
C-12	8718.000	MN12	MN12	ON	2202	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal (in place year round)	2.00	44° 52' 18.9"	79° 50' 23.94"	Concrete	341	Chain	2.4	20	2
C-12	8719.000	MN13	MN13	ON	2202	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal (in place year round)	1.80	44° 52' 16.47"	79° 50' 14.79"	Concrete	227	Chain	1.8	14	2
C-12	8720.000	MN14	MN14	ON	2202	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal (in place year round)	2.00	44° 52' 16.11"	79° 50' 16.9"	Concrete	227	Chain	3	14	2
C-12	8720.200	MN14/2	MN14/2	ON	2202	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Temporary	1.50	44° 52' 14.5"	79° 50' 10.5"	Concrete	227	Chain	1.8	14	2
C-12	8721.000	MN15	MN15	ON	2202	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal (in place year round)	2.00	44° 52' 16.73"	79° 49' 57.64"	Concrete	341	Chain	3	14	2
C-12	8722.000	MN16	MN16	ON	2202	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal (in place year round)	1.00	44° 52' 16.56"	79° 49' 59"	Concrete	91	Chain	3	14	2
C-12	8723.000	MP2	MP2	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 46' 7.896"	79° 43' 20.04"	Concrete	545	Chain	7.6	14	2
C-12	8724.000	MP3	MP3	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	44° 46' 13.02"	79° 43' 22.1"	Concrete	545	Chain	7.6	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-12	8725.000	MP4	MP4	ON	2202	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	44° 46' 55.36"	79° 43' 33.2"	Concrete	545	Chain	6.1	14	2
C-12	8725.500	MP5	MP5	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.70	44° 46' 54.3"	79° 43' 39.798"	Concrete	341	Chain	6.1	20	2
C-12	8726.000	MQ1	MQ1	ON	2202	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	13.40	44° 53' 43.38"	79° 53' 5.95"	Concrete	341	Chain	13.7	14	2
C-12	8728.000	MV2	MV2	ON	2223	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	44° 45' 6"	79° 46' 46"	Concrete	341	Chain	4.6	14	2
C-12	9975.000	GB	GB	ON	2241	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Yellow-black-yellow	Seasonal (in place year round)	10.70	44° 53' 30.182"	79° 57' 56.456"	Concrete	545	Chain	19.8	14	2
C-12	9976.000	GB2	GB2	ON	2241	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.60	44° 54' 48.98"	79° 58' .369"	Concrete	545	Chain	10.7	20	2
C-12	9977.000	GB3	GB3	ON	2241	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.60	44° 55' 44.006"	79° 58' 11.007"	Concrete	545	Chain	9.1	20	2
C-12	9978.000	GB4	GB4	ON	2241	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.60	44° 55' 49.486"	79° 58' 4.598"	Concrete	545	Chain	13.7	14	2
C-12	9978.050	GBB	GBB	ON	2241	Unlit	0.6m Spar Can (Long)	510	Steel	Red-white	Seasonal (in place year round)	16.20	44° 57' 18.678"	80° 0' 54.774"	Concrete	2227	Chain	27.4	20	2
C-12	9979.000	GB5	GB5	ON	2241	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.50	44° 58' 45.096"	80° 3' 36.39"	Concrete	2227	Chain	15.2	20	2
C-12	9983.000	MG1	MG1	ON	2241	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	10.70	44° 53' 9.163"	79° 55' 28.077"	Concrete	545	Chain	13.7	20	2
C-12	9984.000	MG2	MG2	ON	2241	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	8.20	44° 53' 53.013"	79° 55' 40.765"	Concrete	545	Chain	13.7	14	2
C-12	9985.000	MG3	MG3	ON	2241	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	9.50	44° 53' 46.378"	79° 55' 53.043"	Concrete	545	Chain	13.7	14	2
C-12	9986.000	MG4	MG4	ON	2241	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	13.10	44° 54' 25.639"	79° 56' 12.196"	Concrete	545	Chain	18.3	14	2
C-12	9987.000	MG5	MG5	ON	2241	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	44° 54' 11.882"	79° 56' 5.377"	Concrete	341	Chain	13.7	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-12	9989.000	MG7	MG7	ON	2241	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	10.70	44° 55' 24.51"	79° 56' 24.026"	Concrete	545	Chain	13.7	20	2
C-12	9990.000	MG8	MG8	ON	2241	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	25.30	44° 55' 45.555"	79° 56' 35.112"	Concrete	545	Chain	27.4	20	2
C-12	9991.000	MG9	MG9	ON	2241	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	8.80	44° 55' 41.121"	79° 56' 38.391"	Concrete	341	Chain	13.7	14	2
C-12	9992.000	MG10	MG10	ON	2241	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.20	44° 56' 19.672"	79° 56' 48.061"	Concrete	545	Chain	13.7	14	2
C-12	9993.000	MG11	MG11	ON	2241	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	19.20	44° 56' 3.382"	79° 56' 55.83"	Concrete	341	Chain	27.4	14	2
C-12	9995.000	MG13	MG13	ON	2241	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	11.00	44° 56' 18.309"	79° 56' 52.83"	Concrete	545	Chain	18.3	20	2
C-12	9995.050	CMG	CMG	ON	2202	Unlit	0.6m Spar Conical (Long)	637	Steel	Black-yellow	Seasonal (in place year round)	25.00	44° 56' 57.84"	79° 56' 45.6"	Concrete	545	Chain	27.4	20	2
C-12	9999.001	A	A	ON	2202	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Yellow	Seasonal (in place year round)	3.40	44° 47' 9.78"	79° 44' 2.82"	Concrete	341	Chain	6.1	14	2
C-12	9999.002	B	B	ON	2202	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Yellow	Seasonal (in place year round)	7.60	44° 47' 36.3"	79° 47' 55.8"		341	Chain	9.1	14	2
C-12	9999.003	C	C	ON	2202	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Yellow	Seasonal (in place year round)	7.00	44° 48' 52.68"	79° 47' 54.3"	Concrete	341	Chain	9.1	14	2
C-12	9999.004	D	D	ON	2202	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Yellow	Seasonal (in place year round)	3.00	44° 50' 51.78"	79° 49' 3"	Concrete	341	Chain	4.6	14	2
C-12	9999.100	LOW WATER	LOW WATER-MOREAU ROCK	ON	2202	Unlit	0.25m SB 23 spar can plastic	43	Plastic	White-orange	Seasonal (in place year round)	3.00	44° 47' 10.02"	79° 44' 2.4"	Concrete	227	Chain	6.1	14	2
C-12	9999.200	LOW WATER	LOW WATER-HILL BANK	ON	2202	Unlit	0.25m SB 23 spar can plastic	43	Plastic	White-orange	Seasonal (in place year round)	5.50	44° 47' 35.4"	79° 47' 55.8"	Concrete	545	Chain	9.1	14	2
C-12	9999.300	LOW WATER	LOW WATER-MOORE POINT	ON	2202	Unlit	0.25m SB 23 spar can plastic	43	Plastic	White-orange	Seasonal (in place year round)	5.50	44° 48' 56.04"	79° 47' 52.32"	Concrete	227	Chain	7.6	14	2
C-12	9999.400	LOW WATER	LOW WATER-QUARRY ISLAND NORTH	ON	2202	Unlit	0.25m SB 23 spar can plastic	43	Plastic	White-orange	Seasonal (in place year round)	4.00	44° 50' 51.18"	79° 49' 2.04"	Concrete	227	Chain	6.1	14	2

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-12	9999.500	LOW WATER	LOW WATER-BIG DOG CHANNEL WEST	ON	2202	Unlit	0.25m SB 23 spar can plastic	43	Plastic	White-orange	Seasonal (in place year round)	4.60	44° 52' 23.46"	79° 50' 37.38"	Concrete	227	Chain			2
C-12	9999.600	LOW WATER	LOW WATER-BIG DOG CHANNEL EAST	ON	2202	Unlit	0.25m SB 23 spar can plastic	43	Plastic	White-orange	Seasonal (in place year round)	5.50	44° 52' 15.9"	79° 49' 50.46"	Concrete	341	Chain	4.6	14	2

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Georgian Bay, Western Section
Contract Area no.:	C-13
Province(s):	Ontario
Contract Area Description:	The Contract Area includes the western section of Georgian Bay, as well as the entrance to Georgian Bay from Lake Huron and extends to Little Current at the north.
Coast Guard Depot:	Parry Sound, Ontario
Commissioning date:	April 15th
Decommissioning date:	November 15th
Total no. of buoys:	121
Max. buoy size(m) diameter :	1.4
Maximum anchor size (weight (kg)):	2272
Maximum buoy weight (kg) :	1811
Maximum water depth (m) :	36
Operational Season:	April 15th to November 15th
Overview of work activities:	<p>3 of the 121 buoys are equipped with lights; they are seasonal and replaced with winter spars.</p> <p>16 year round buoys are equipped with removable lanterns which are placed and removed at the start and end of the operational season.</p> <p>All other buoys are year round and unlit. At Commissioning, work includes position verification, placing of lanterns and replacement of tape and numbers as required. In addition winter buoys are lifted and replaced with summer buoys.</p> <p>Decommissioning activities include replacement of summer buoys with winter spars and removal of lanterns.</p> <p>The work includes planned cyclical mooring inspections and replacement over a 5 year cycle, i.e. 20% of the buoy moorings are inspected and replaced each year. This applies to year round buoys only.</p> <p>Unscheduled work includes response to discrepancies during the operational season.</p>
Comment:	

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-13	827.000	T5	Surprise Shoal light buoy T5	ON	2282	Night	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	36.00	45° 3' 31.14"	81° 1' 44.45"	Concrete	2270	Chain	54.9	20	2
C-13	834.000	T9	Squaw Point Shoal light buoy T9	ON	2283	Night	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	20.00	44° 37' 1.38"	80° 55' 7.38"	Concrete	2227	Chain	27.4	20	2
C-13	835.000	T12	Owen Sound Harbour light buoy T12	ON	2283	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.00	44° 35' 11.16"	80° 56' 19.32"	Concrete	2227	Chain	13.7	20	2
C-13	839.000	T7	Vail Point Shoal light buoy T7	ON	2283	Night	1.4m Buoy	1811	Steel	Green	Seasonal	32.00	44° 44' 47.46"	80° 47' 20.1"	Concrete	2270	Chain	48.8	20	2
C-13	844.000	TN2	New Bank light buoy TN2	ON	2283	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	16.00	44° 36' 47.94"	80° 20' 4.02"	Concrete	2270	Chain	27.4	20	2
C-13	846.000	TN11	Lockerbie Rock light buoy TN11	ON	2283	Night	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	10.70	44° 32' 14.58"	80° 13' 48.6"	Concrete	2270	Chain	27.4	20	2
C-13	849.000	TN12	Collingwood light buoy TN12	ON	2283	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	7.60	44° 31' 11"	80° 13' 35"	Concrete	2227	Chain	13.7	20	2
C-13	852.000	TN21	Collingwood Harbour light buoy TN21	ON	2283	Night	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	7.00	44° 30' 50.4"	80° 13' 31"	Concrete	2227	Chain	13.7	20	2
C-13	8492.000	J	BERNARD ROCK J	ON	2245	Unlit	0.6m Spar Conical (Long)	637	Steel	Red-green-red	Seasonal (in place year round)	29.00	45° 54' 24.038"	81° 33' 27.5"	Concrete	2270	Chain	41.1	20	2
C-13	8494.000	J10	J10 ERIE SHINGLE	ON	2235	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	11.00	45° 33' 52.08"	81° 38' 37.99"	Concrete	2270	Chain	27.4	20	2
C-13	8524.000	JA2	NORTHEAST SHINGLE JA2	ON	2235	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	9.00	45° 36' 6.54"	81° 24' 45.84"	Concrete	2270	Chain	18.3	20	2
C-13	8525.000	JC1	DAWSON ROCK JC1	ON	2245	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	15.00	45° 38' 51.14"	81° 15' 50.16"	Concrete	2270	Chain	27.4	20	2
C-13	8806.070	TD	McElhinney Ground TD	ON	2235	Unlit	0.6m Spar Can (Long)	510	Steel	Green-red-green	Seasonal (in place year round)	12.00	45° 18' 54.48"	81° 38' 6.24"	Concrete	2270	Chain	27.4	20	2
C-13	8807.000	T3	Bears Rump Shoal T3	ON	2235	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	10.00	45° 18' 14.61"	81° 34' 40.89"	Concrete	2270	Chain	18.3	20	2
C-13	8808.000	T11	RUSSEL BROS SPAR T11	ON	2283	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	44° 35' 8.58"	80° 56' 13.86"	Concrete	545	Chain	9.1	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-13	8810.000	T16	OWEN SOUND SPAR T16	ON	2283	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	44° 34' 59.04"	80° 56' 23.46"	Concrete	545	Chain	9.1	14	2
C-13	8811.000	T17	T17	ON	2283	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	44° 34' 57.18"	80° 56' 18.78"	Concrete	545	Chain	10.1	14	2
C-13	8812.000	T20	OWEN SOUND INNER T20	ON	2283	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	44° 34' 52.44"	80° 56' 25.68"	Concrete	545	Chain	9.1	14	2
C-13	8813.000	T21	OWEN SOUND INNER T21	ON	2283	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	44° 34' 47.7"	80° 56' 24.18"	Concrete	817	Chain	13.7	20	2
C-13	8827.000	TH1	LAMORANDIERE BANK TH1	ON	2282	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	18.00	44° 56' 59.28"	81° 4' 2.76"	Concrete	2227	Chain	27.4	20	2
C-13	8828.000	TH2	MACGREGOR HBR. TH2	ON	2282	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	10.00	44° 55' 24.72"	81° 3' 13.5"	Concrete	2270	Chain	12.2	20	2
C-13	8829.000	TH3	MACGREGOR HBR. TH3	ON	2282	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	9.00	44° 55' 22.56"	81° 2' 19.56"	Concrete	545	Chain	13.7	14	2
C-13	8830.000	TJ2	KIDD POINT TJ2	ON	2282	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	10.00	44° 49' 23.76"	80° 59' 59.76"	Concrete	2227	Chain	13.7	14	2
C-13	8831.000	TJ4	COLPOYS BAY TJ4	ON	2283	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	44° 46' 41.82"	81° 7' 28.68"	Concrete	545	Chain	12.2	14	2
C-13	8832.000	TK1	TK1	ON	2282	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	6.00	45° 14' 54"	81° 17' 53"	Concrete	545	Chain	7.6	14	2
C-13	8833.000	TK2	WINGFIELD BASIN TK2	ON	2282	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	5.50	45° 14' 54"	81° 17' 54.5"	Concrete	2227	Chain	7.6	14	2
C-13	8834.000	TK3	WINGFIELD BASIN TK3	ON	2282	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	4.90	45° 14' 52"	81° 17' 53"	Concrete	817	Chain	7.6	14	2
C-13	8835.000	TK4	TK4	ON	2282	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	5.00	45° 14' 52"	81° 17' 54.5"	Concrete	817	Chain	6.1	14	2
C-13	8835.500	TK5	TK5	ON	2282	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	4.60	45° 14' 47.52"	81° 17' 50.04"		817	Chain	6.1	14	2
C-13	8836.000	TM2	MEAFORD TM2	ON	2283	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	5.00	44° 36' 43.44"	80° 35' 23.46"	Concrete	545	Chain	9.1	14	2
C-13	8836.500	TMM1	TMM1	ON	2283	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 36' 35.76"	80° 35' 1.56"	Concrete	545	Chain	4.6	14	2
C-13	8838.000	TN4	MARY WARD LEDGES TN4	ON	2283	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	7.00	44° 35' 10.2"	80° 19' 35.7"	Concrete	2270	Chain	13.7	20	2
C-13	8839.000	TN6	MARY WARD LEDGES TN6	ON	2283	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.00	44° 34' 17.52"	80° 18' 13.92"	Concrete	2270	Chain	13.7	20	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-13	8840.000	TN8	MARY WARD LEDGES TN8	ON	2283	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	10.00	44° 33' 29.7"	80° 16' 45.36"	Concrete	2270	Chain	13.7	20	2
C-13	8841.000	TN10	NOTTAWASAGA ISL. TN10	ON	2283	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	10.00	44° 32' 33.6"	80° 15' 6.66"	Concrete	2270	Chain	13.7	20	2
C-13	8842.000	TN13	COLLINGWOOD OUTER TN13	ON	2283	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	7.00	44° 31' 8.88"	80° 13' 30.66"	Concrete	2270	Chain	9.1	20	2
C-13	8844.000	TN15	COLLINGWOOD TN15	ON	2283	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	44° 31' 1.98"	80° 13' 31.2"	Concrete	545	Chain	9.1	14	2
C-13	8845.000	TN16	COLLINGWOOD TN16	ON	2283	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	6.00	44° 31' 1.86"	80° 13' 34.5"	Concrete	2270	Chain	9.1	20	2
C-13	8846.000	TN17	C-WOOD BREAKWATER TN17	ON	2283	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	44° 30' 56"	80° 13' 31"	Concrete	545	Chain	9.1	14	2
C-13	8847.000	TN18	C-WOOD BREAKWATER TN18	ON	2283	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	6.00	44° 30' 56.16"	80° 13' 34.62"	Concrete	2227	Chain	9.1	20	2
C-13	8849.000	TN20	COLLINGWOOD HBR. ENT TN20	ON	2283	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	44° 30' 46.14"	80° 13' 35.22"	Concrete	545	Chain	9.1	14	2
C-13	8850.000	TN22	COLLINGWOOD TN22	ON	2283	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	44° 30' 37.98"	80° 13' 38.7"	Concrete	545	Chain	10.7	14	2
C-13	8851.000	TN24	COLLINGWOOD TN24	ON	2283	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	7.00	44° 30' 33.36"	80° 13' 23.64"	Concrete	545	Chain	9	14	2
C-13	8852.000	TN26	COLLINGWOOD TN26	ON	2283	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	7.00	44° 30' 30"	80° 13' 18"	Concrete	545	Chain	9	14	2
C-13	8854.000	TP2	JACKSON SHOAL TP2	ON	2282	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	14.00	45° 1' 40"	81° 11' 13"	Concrete	2270	Chain	27.4	20	2
C-13	8855.000	TS1	JACKSON SHOAL N. TS1	ON	2282	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	7.00	45° 2' 32"	81° 11' 7"	Concrete	2227	Chain	13.7	20	2
C-13	8856.000	TT	THORNBURY FAIRWAY TT	ON	2283	Unlit	0.6m Spar Conical (Long)	637	Steel	Red-white	Seasonal (in place year round)	12.00	44° 34' 15.17"	80° 26' 52.47"	Concrete	2227	Chain	13.7	20	2
C-13	8857.000	TT1	TT1	ON	2283	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	44° 34' 4.2"	80° 26' 57.48"	Concrete	545	Chain	9.1	14	2
C-13	8858.000	TT2	TT2	ON	2283	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 34' 5.22"	80° 27' .3"	Concrete	545	Chain	7.6	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-13	8859.000	TT4	TT4	ON	2283	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 34' .5"	80° 27' 2"	Concrete	545	Chain	3.7	14	2
C-13	979.000	E11	Ann Long light buoy E11	ON	2205	Night	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	6.00	45° 58' 28.14"	81° 32' 29.76"	Concrete	2270	Chain	7.6	20	2
C-13	983.000	J12	Campbell Rock light buoy J12	ON	2245	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	27.40	45° 49' 36.66"	81° 33' 22.84"	Concrete	2270	Chain	41.1	20	2
C-13	985.000	J13	Burnt Island Bank light buoy J13	ON	2245	Night	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	17.00	45° 54' 17.22"	81° 35' 21.33"	Concrete	2270	Chain	27.4	20	2
C-13	988.000	J16	Centre Island Bank light buoy J16	ON	2245	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	22.00	45° 55' 9.85"	81° 39' 20.69"	Concrete	2270	Chain	27.4	20	2
C-13	989.300	EE6	Caroline Rocks light buoy EE6	ON	2245	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	24.00	46° 0' 8.82"	81° 43' 13.26"	Concrete	2270	Chain	27.4	20	2
C-13	989.400	EE5	Duncan City Rock light buoy EE5	ON	2245	Night	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	9.00	46° 0' 13.98"	81° 43' 26.61"	Concrete	2270	Chain	27.4	20	2
C-13	994.000	J17	Strawberry Island light buoy J17	ON	2205	Night	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	18.00	45° 56' 42"	81° 49' 1.9"	Concrete	2270	Chain	27.4	20	2
C-13	999.000	J24	Long Point light buoy J24	ON	2207	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	7.00	45° 58' 12.6"	81° 53' 34.86"	Concrete	2227	Chain	13.7	20	2
C-13	1000.000	J31	Gibbons Point Turning light buoy J31	ON	2207	Night	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	7.00	45° 58' 40.12"	81° 54' 17.82"	Concrete	2227	Chain	9.1	20	2
C-13	8428.000	E4	E4	ON	2205	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	45° 58' 26.22"	81° 31' 30.84"	Concrete	545	Chain	7.6	14	2
C-13	8430.000	E7	E7	ON	2205	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	45° 58' 31.38"	81° 31' 55.86"	Concrete	545	Chain	7.6	14	2
C-13	8432.000	E12	E12	ON	2205	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	45° 58' 24.78"	81° 32' 56.16"	Concrete	545	Chain	12.2	14	2
C-13	8433.000	E14	E14	ON	2205	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	9.00	45° 58' 11.64"	81° 33' 51"	Concrete	2227	Chain	15.2	20	2
C-13	8434.000	E16	E16	ON	2205	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 57' 36.78"	81° 36' 2.58"	Concrete	545	Chain	9.1	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-13	8434.500	E17	E17	ON	2205	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	45° 57' 22.74"	81° 36' 37.32"	Concrete	545	Chain	9.1	14	2
C-13	8435.000	E18	E18	ON	2205	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	45° 57' 27.96"	81° 36' 30.24"	Concrete	545	Chain	9.1	14	2
C-13	8436.000	E19	E19	ON	2205	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	45° 57' 21.84"	81° 36' 44.7"	Concrete	545	Chain	9.1	14	2
C-13	8437.000	E20	E20	ON	2205	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	45° 57' 25.02"	81° 36' 39.54"	Concrete	545	Chain	9.1	14	2
C-13	8438.000	E21	E21	ON	2205	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	45° 56' 35.88"	81° 39' 7.92"	Concrete	545	Chain	6.1	14	2
C-13	8439.000	E22	E22	ON	2205	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	4.00	45° 56' 30.9"	81° 39' 30.84"	Concrete	341	Chain	4.6	14	2
C-13	8440.000	E23	LANSDOWNE E23	ON	2205	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	5.00	45° 56' 27.42"	81° 39' 34.92"	Concrete	545	Chain	6	14	2
C-13	8441.000	E26	BOAT ROCK SPAR E26	ON	2205	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	9.00	45° 56' 41.88"	81° 42' 9.96"	Concrete	545	Chain	21.3	14	2
C-13	8442.000	E27	SHOAL ISL.SPIT E27	ON	2205	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	19.00	45° 56' 40.44"	81° 45' 15.72"	Concrete	545	Chain	27.4	14	2
C-13	8443.000	E28	EAST MARY ISL E28	ON	2205	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	9.00	45° 57' 31.98"	81° 44' 22.56"	Concrete	545	Chain	15.2	14	2
C-13	8444.000	EA2	EA2 Killarney Quarries	ON	2205	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	17.00	45° 57' 59.68"	81° 33' 56.22"	Concrete	2270	Chain	27.4	20	2
C-13	8445.000	EE1	WATTS ROCK CAN EE1	ON	2205	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	22.00	45° 55' 35.46"	81° 43' 30.3"	Concrete	2270	Chain	27.4	20	2
C-13	8446.000	EE2	PARTRIDGE ISL. CON EE2	ON	2205	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	19.00	45° 55' 28.08"	81° 42' 33.66"	Concrete	2270	Chain	27.4	20	2
C-13	8447.000	EE3	SPLIT ROCK SPAR EE3	ON	2205	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	19.00	45° 56' 15.96"	81° 43' 16.02"	Concrete	2270	Chain	27.4	20	2
C-13	8448.000	EE7	MCGREGOR BAY EE7	ON	2205	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	9.00	46° 0' 55.74"	81° 44' 21.6"	Concrete	545	Chain	12.2	14	2
C-13	8449.000	EH	EH	ON	2205	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green-red-green	Seasonal (in place year round)	9.00	46° 0' 15.66"	81° 42' 25.8"	Concrete	341	Chain	9.1	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-13	8451.000	EH2	EH2	ON	2205	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	8.00	46° 0' 36.3"	81° 40' 17.4"	Concrete	545	Chain	9.1	14	2
C-13	8452.000	EH3	EH3	ON	2205	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	46° 0' 42.24"	81° 39' 34.62"	Concrete	341	Chain	7.6	14	2
C-13	8453.000	EH4	EH4	ON	2205	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	46° 0' 40.44"	81° 39' 42.78"	Concrete	545	Chain	7.6	14	2
C-13	8454.000	EH5	EH5	ON	2205	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.40	46° 0' 38.34"	81° 39' 20.88"	Concrete	341	Chain	4.6	20	2
C-13	8455.000	EH6	EH6	ON	2205	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	46° 0' 39.54"	81° 39' 35.16"	Concrete	341	Chain	6.1	14	2
C-13	8455.500	EK1	EK1	ON	2205	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal (in place year round)	3.70	45° 59' 54"	81° 32' 9"	Concrete	341	Chain	6.1	14	2
C-13	8495.000	J15	SKULL POINT REEF J15	ON	2245	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	22.00	45° 54' 42.402"	81° 39' .06"	Concrete	2270	Chain	41.1	20	2
C-13	8495.500	J19	CARON REEF J19	ON	2205	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	18.20	45° 57' 54.12"	81° 50' 13.92"	Concrete	2227	Chain	27.4	20	2
C-13	8496.000	J20	GARDEN IS.BANK J20	ON	2205	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	6.00	45° 58' 33"	81° 51' 14"	Concrete	2270	Chain	13.7	20	2
C-13	8497.000	J21	J21	ON	2205	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	6.00	45° 58' 22.56"	81° 52' 3.6"	Concrete	2227	Chain	10.7	20	2
C-13	8498.000	J26	J26	ON	2207	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	7.00	45° 58' 21.6"	81° 53' 46.32"	Concrete	2227	Chain	9.1	20	2
C-13	8500.000	J28	J28	ON	2207	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.00	45° 58' 33.66"	81° 53' 58.32"	Concrete	2227	Chain	9.1	20	2
C-13	8501.000	J29	J29	ON	2207	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	9.00	45° 58' 35.34"	81° 54' 7.74"	Concrete	545	Chain	9.1	14	2
C-13	8503.000	J32	J32	ON	2207	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	6.00	45° 58' 41.66"	81° 54' 10.11"	Concrete	817	Chain	10.7	14	2
C-13	8504.000	J34	J34	ON	2207	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	7.00	45° 58' 46.12"	81° 54' 26.06"	Concrete	545	Chain	10.7	14	2
C-13	8505.000	J36	J36	ON	2207	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	7.00	45° 58' 48.24"	81° 54' 40.08"	Concrete	545	Chain	9.1	14	2
C-13	8506.000	J37	J37	ON	2207	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	7.00	45° 58' 49.29"	81° 55' 9.63"	Concrete	817	Chain	9.1	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-13	8507.000	J39	J39	ON	2207	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	7.00	45° 58' 51.6"	81° 55' 18.66"	Concrete	2227	Chain	12.2	20	2
C-13	8546.500	JM1	JM1	ON	2245	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	13.00	45° 48' 57.78"	81° 37' 1.2"	Concrete	2227	Chain	13.7	20	2
C-13	8547.000	JM4	JM4	ON	2245	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.00	45° 48' 11.31"	81° 42' 26.28"	Concrete	545	Chain	7.6	14	2
C-13	8556.000	JV1	LOON ISL. REEF JV1	ON	2205	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	11.00	45° 53' 42.16"	81° 48' 15.74"	Concrete	545	Chain	13.7	14	2
C-13	8606.000	MA	Campana Shoal MA	ON	2241	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green-red-green	Seasonal (in place year round)	4.60	44° 46' 22.938"	80° 9' 10.02"	Concrete	545	Chain	9.1	14	2
C-13	8607.000	MA11	CHRISTIAN ISL SPAR MA11	ON	2241	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	44° 47' 2.94"	80° 9' 5.568"	Concrete	545	Chain	9.1	14	2
C-13	8817.000	TA6	DEVIL ISLAND SPAR TA6	ON	2274	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	6.00	45° 15' 24.66"	81° 43' 45.84"	Concrete	2227	Chain	13.7	20	2
C-13	8818.000	TA8	RUSSEL REEF TA8	ON	2274	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	15.00	45° 15' 59.1"	81° 43' .48"	Concrete	2270	Chain	27.4	20	2
C-13	8821.000	TE3	TE3	ON	2274	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	9.00	45° 14' 3.9"	81° 43' 29.52"	Concrete	2227	Chain	13.7	20	2
C-13	8822.000	TE5	SOUTHEAST BANK TE5	ON	2274	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	6.00	45° 14' 36.42"	81° 42' 46.32"	Concrete	2227	Chain	13.7	20	2
C-13	8823.000	TE7	EARL PATCHES TE7	ON	2274	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	9.00	45° 15' 5.46"	81° 42' 7.8"	Concrete	2227	Chain	13.7	20	2
C-13	8824.000	TE8	CHINA REEF TE8	ON	2274	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	18.00	45° 15' 1.2"	81° 42' 1.92"	Concrete	2227	Chain	27.4	20	2
C-13	8825.000	TE10	TE10	ON	2274	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.00	45° 15' 18.66"	81° 41' 30.84"	Concrete	2227	Chain	13.7	20	2
C-13	8826.000	TE11	TOBERMORY HBR. TE11	ON	2274	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	16.00	45° 15' 40.74"	81° 39' 53.94"	Concrete	545	Chain	18.3	14	2
C-13	800.000	TA1	Southwest Bank light buoy TA1	ON	2274	Night	1.4m Buoy	1811	Steel	Green	Seasonal	15.00	45° 14' 2.58"	81° 45' 26.34"	Concrete	2270	Chain	27.4	20	2
C-13	8814.000	TA2	DEVIL IS CH. ENT. TA2	ON	2274	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	10.00	45° 14' 1.98"	81° 45' 1.26"	Concrete	2270	Chain	18.3	20	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-13	8815.000	TA3	SW.BANK SPAR TA3	ON	2274	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	13.00	45° 14' 18.84"	81° 45' 11.76"	Concrete	2270	Chain	27.4	20	2
C-13	8816.000	TA5	MIDDLE BANK SPAR TA5	ON	2274	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	13.00	45° 15' 16.92"	81° 44' 6.48"	Concrete	2270	Chain	18.3	20	2
C-13	8819.000	TE1	Cape Hurd Entrance TE1	ON	2274	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	10.00	45° 13' 30.18"	81° 44' 8.16"	Concrete	2270	Chain	18.3	20	2
C-13	8820.000	TE2	TE2	ON	2274	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	9.00	45° 13' 46.68"	81° 43' 42.24"	Concrete	2227	Chain	13.7	20	2
C-13	802.500	J2	West Sister Shoal light buoy, J2	ON	2235	Night	1.4m Buoy	1811	Steel	Red	Seasonal	16.00	45° 22' 5.8"	81° 47' 51.02"	Concrete	2270	Chain	27.4	20	2
C-13	8493.000	J3	J3 Lucas Island	ON	2235	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	16.00	45° 23' 30.72"	81° 46' 31.72"	Concrete	2270	Chain	27.4	20	2
C-13	8806.000	T1	BAD NEIGHBOUR ROCK T1	ON	2235	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	16.00	45° 21' 34.26"	81° 45' 53.28"	Concrete	2270	Chain	27.4	20	2
C-13	8806.050	TC	O'BRIEN PATCH TC	ON	2235	Unlit	0.6m Spar Can (Long)	510	Steel	Green-red-green	Seasonal (in place year round)	15.00	45° 20' 25.02"	81° 46' 29.4"	Concrete	2270	Chain	41.2	20	2

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Lake Huron Harbours		
Contract Area no.:	C-14, A-D		
Province(s):	Ontario		
Contract Area Description:	<p>The Contract Area includes 5 sub-contract areas:</p> <p>C-14A: southern L.Huron</p> <p>C-14B: Goderich</p> <p>C-14C: Point Clark to Southampton including Port Elgin</p> <p>C-14D: western shore of Bruce peninsula including Oliphant, Stokes Bay and Pine Tree Harbour</p> <p>C-14E: southern shore of Manatoulin Isl. including South Baymouth and Providence Bay</p>		
Coast Guard Depot:	Parry Sound, Ontario		
Commissioning date:	April 15th		
Decommissioning date:	November 15th		
Total no. of buoys:	51		
Max. buoy size(m) diameter :	see table, page 2		
Maximum anchor size (weight (kg)):	see table, page 2		
Maximum buoy weight (kg) :	see table, page 2		
Maximum water depth (m) :	see table, page 2		
Operational Season:	May 1st to October 31st		
Overview of work activities:	<p>For C-14C, lit buoys are lifted and replaced by winter spars</p> <p>For C-14D, the lit buoys is completely placed and completely removed at start and end of season, including anchor.</p> <p>For C-14E, lanterns are removable and are placed & removed at start and end of operational season.</p> <p>All other buoys are year round; commissioning, work includes position verification, replacement of tape and numbers as required.</p> <p>The work includes planned cyclical mooring inspections and replacement over a 5 year cycle, i.e. 20% of the buoy moorings are inspected and replaced each year.</p> <p>Unscheduled work includes response to discrepancies during the operational season.</p>		

Comment: The sub sectors will be tendered as separate contracts.

Table: Sub-area information

Location	No. of buoys/ lighted	Max. anchor size kg	Max. buoy size (m) diameter	Max. buoy weight kg	Max. water depth (m)
C-14A: southern L.Huron	1	2270	0.6	640	11
C-14B: Goderich	4,	91	0.3	65	8
C-14C: Point Clark to Southampton	17, 3 lit	2272	1.4	1811	11
C-14D: western shore of Bruce peninsula	18, 1 lit	2272	1.4	1811	11
C-14E: southern shore of Manatoulin Isl.	11, 4 lit	2272	1.4	1811	15

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-14a	7186.000	V2	V2	ON	Z2294	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	11.00	43° 13' 3"	82° 3' 30"	Concrete	2270	Chain	18	28	2
C-14b	9004.000	VX3	VX3	ON	2228	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	8.50	43° 44' 50.388"	81° 44' 2.274"	Concrete	91	Chain	13.7	14	2
C-14b	9005.000	VX4	VX4	ON	2228	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	8.20	43° 44' 42.12"	81° 43' 53.862"	Concrete	91	Chain	13.7	14	2
C-14b	9006.000	VX5	VX5	ON	2228	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	8.20	43° 44' 51.72"	81° 43' 51.846"	Concrete	91	Chain	13.7	14	2
C-14b	9007.000	VX7	VX7	ON	2228	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	8.20	43° 44' 52.56"	81° 43' 44.598"	Concrete	91	Chain	13.7	14	2
C-14c	785.000	VC2	Logie Rock light buoy VC2	ON	2291	Night	1.4m Buoy	1811	Steel	Red	Seasonal	10.70	44° 27' 42.54"	81° 27' 1.38"	Concrete	2270	Chain	27.4	20	2
C-14c	792.000	VJ3	Saugeen River Turning light buoy VJ3	ON	2292	Night	1.4m Buoy	1811	Steel	Green	Seasonal	7.00	44° 30' 12"	81° 23' 27"	Concrete	2270	Chain	18.3	20	2
C-14c	793.000	VJ2	Southampton light buoy VJ2	ON	2292	Night	1.4m Buoy	1811	Steel	Red	Seasonal	9.10	44° 30' 39"	81° 23' 41"	Concrete	2270	Chain	22.9	20	2
C-14c	8952.000	V6	POINT CLARK V6	ON	2261	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	7.00	44° 4' 26"	81° 47' 2"	Concrete	2270	Chain	13.7	20	2
C-14c	8953.000	VC3	VC3	ON	2291	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.50	44° 26' 50.17"	81° 24' 41.564"	Concrete	2227	Chain	13.7	20	2
C-14c	8954.000	VC4	VC4	ON	2291	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.00	44° 26' 43.8"	81° 24' 32.1"	Concrete	227	Chain	6.1	14	2
C-14c	8954.500	VC5	VC5	ON	2291	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	2.70	44° 26' 45"	81° 24' 32"	Concrete	227	Chain	6.1	14	2
C-14c	8957.000	VC7	VC7	ON	2291	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	3.00	44° 26' 43.44"	81° 24' 25.5"	Concrete	227	Chain	6.1	14	2
C-14c	8958.000	VC8	VC8	ON	2291	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	3.00	44° 26' 42.48"	81° 24' 25.74"	Concrete	227	Chain	6.1	14	2
C-14c	8959.000	VE1	VE1	ON	2292	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	9.00	44° 28' 30"	81° 25' 10"	Concrete	2270	Chain	13.7	20	2
C-14c	8960.000	VE3	VE3	ON	2292	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	44° 29' 40"	81° 23' 38"	Concrete	545	Chain	9.1	14	2
C-14c	8961.000	VE4	VE4	ON	2292	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	44° 29' 39"	81° 23' 33.5"	Concrete	545	Chain	9.1	14	2
C-14c	8977.000	VJ	VJ	ON	2292	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red-green-red	Seasonal (in place year round)	8.00	44° 30' 56"	81° 22' 50"	Concrete	545	Chain	12.2	14	2
C-14c	8978.000	VJ5	VJ5	ON	2292	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	6.00	44° 30' 10"	81° 22' 50"	Concrete	227	Chain	9.1	14	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-14c	8979.000	VJ6	VJ6	ON	2292	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	7.00	44° 30' 6"	81° 22' 51"	Concrete	227	Chain	9.1	14	2
C-14c	8982.000	VJ9	VJ9	ON	2292	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	3.00	44° 30' 8"	81° 22' 37"	Concrete	227	Chain	7.6	14	2
C-14c	8983.000	VJ10	VJ10	ON	2292	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	3.00	44° 30' 6"	81° 22' 37"	Concrete	227	Chain	7.6	14	2
C-14d	796.300	VK2	Stokes Bay Entrance light buoy VK2	ON	2292	Night	1.4m Buoy	1811	Steel	Red	Seasonal	13.00	44° 56' 50"	81° 27' 36"	Concrete	2270	Chain	27.4	20	2
C-14d	8984.000	VK1	VK1	ON	2292	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	44° 57' 5"	81° 27' 36"	Concrete	545	Chain	13.7	14	2
C-14d	8986.000	VK4	VK4	ON	2292	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	9.00	44° 57' 4"	81° 26' 38"	Concrete	2227	Chain	13.7	14	2
C-14d	8987.000	VK6	VK6	ON	2292	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	11.00	44° 57' 14"	81° 26' 5"	Concrete	545	Chain	13.7	14	2
C-14d	8988.000	VK7	VK7	ON	2292	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	44° 57' 24"	81° 25' 48"	Concrete	545	Chain	9.1	14	2
C-14d	8989.000	VK8	VK8	ON	2292	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	44° 57' 31"	81° 25' 9"	Concrete	545	Chain	10.7	14	2
C-14d	8990.000	VK10	VK10	ON	2292	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	44° 58' 21"	81° 23' 40"	Concrete	227	Chain	10.7	14	2
C-14d	8991.000	VK11	VK11	ON	2292	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 59' 3"	81° 23' 24"	Concrete	227	Chain	4	14	2
C-14d	8992.000	VK12	VK12	ON	2292	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	44° 58' 54"	81° 23' 2"	Concrete	227	Chain	9.1	14	2
C-14d	8993.000	VK13	VK13	ON	2292	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.70	44° 59' 27"	81° 23' 6"	Concrete	227	Chain	6.1	14	2
C-14d	8994.000	VK14	VK14	ON	2292	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	44° 59' 21"	81° 23' 0"	Concrete	227	Chain	4	14	2
C-14d	8995.000	VM1	BARRETT REEF SPAR VM1	ON	2292	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	11.00	44° 51' 28"	81° 22' 33"	Concrete	2270	Chain	18.3	20	2
C-14d	8996.000	VN2	CAVALIER ISLAND VN2	ON	2292	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	7.00	44° 48' 2"	81° 21' 24"	Concrete	2227	Chain	13.7	20	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-14d	8997.000	VP2	OLIPHANT SPAR VP2	ON	2292	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	6.00	44° 42' 39"	81° 18' 36"	Concrete	2227	Chain	10.7	20	2
C-14d	8998.000	VP3	WHITEFISH ISLAND VP3	ON	2292	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	44° 42' 45"	81° 18' 24"	Concrete	545	Chain	6.1	14	2
C-14d	8999.000	VS2	VS2	ON	2292	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	45° 3' 57"	81° 30' 15"	Concrete	545	Chain	9.1	14	2
C-14d	9000.000	VS3	VS3	ON	2292	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 4' 2"	81° 30' 15"	Concrete	545	Chain	9.1	14	2
C-14d	9001.000	VS4	VS4	ON	2292	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 4' 6"	81° 30' 7"	Concrete	545	Chain	9.1	14	2
C-14e	806.000	JS2	South Baymouth light buoy JS2	ON	2273	Night	1.4m Buoy	1811	Steel	Red	Seasonal	15.00	45° 32' 14"	82° 1' 36.5"	Concrete	2270	Chain	18.3	20	2
C-14e	806.500	JS5	Inkster Rock light buoy JS5	ON	2273	Night	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	13.00	45° 33' 7.5"	82° 1' 5.5"	Concrete	2270	Chain	18.3	20	2
C-14e	806.700	JS8	McGaw Point light buoy JS8	ON	2273	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	9.00	45° 33' 19.5"	82° 0' 51"	Concrete	2270	Chain	10.7	20	2
C-14e	809.000	JH1	Providence Bay light buoy JH1	ON	2266	Night	1.4m Buoy	1811	Steel	Green	Seasonal	10.70	45° 38' 56"	82° 17' 30"	Concrete	2270	Chain	27.4	20	2
C-14e	8539.000	JF2	JF2	ON	2298	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	14.00	45° 34' 2"	82° 10' 3"	Concrete	2270	Chain	27.4	20	2
C-14e	8550.000	JS6	JS6	ON	2273	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	12.00	45° 33' 8.5"	82° 0' 58"	Concrete	2270	Chain	18.3	20	2
C-14e	8551.000	JS7	JS7	ON	2273	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	7.00	45° 33' 21"	82° 0' 55"	Concrete	2270	Chain	13.7	20	2
C-14e	8552.000	JS9	JS9	ON	2273	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.00	45° 33' 25"	82° 0' 44"	Concrete	2270	Chain	13.7	20	2
C-14e	8553.000	JS10	MCGAW PT SPAR JS10	ON	2273	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	7.00	45° 33' 22"	82° 0' 44.2"	Concrete	2270	Chain	13.7	20	2
C-14e	8554.000	JT1	CASTILIAN SHOAL JT1	ON	2267	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	13.00	45° 52' 9"	83° 15' 56"	Concrete	2227	Chain	22.9	20	2
C-14e	8554.200	JTC	MAGNETIC REEF JTC	ON	2267	Unlit	0.6m Spar Can (Long)	510	Steel	Yellow-black	Seasonal (in place year round)	15.00	45° 48' 45.5"	83° 19' 43"	Serrated	1365	Chain	27.4	20	2

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	St. Clair River & Lake St. Clair
Contract Area no.:	C-15, A-B

Province(s):	Ontario
Contract Area Description:	The Contract Area includes all Canadian areas of the St. Clair River (A) and Lake St. Clair (B) .
Coast Guard Depot:	Amherstburg, Ontario
Commissioning date:	see 'operational season'
Decommissioning date:	see 'operational season'
Total no. of buoys:	113
Max. buoy size(m) diameter :	see table, page 2
Maximum anchor size (weight (kg)):	see table, page 2
Maximum buoy weight (kg) :	see table, page 2
Maximum water depth (m) :	see table, page 2
Operational Season:	St. Clair River:Year round navigation Lake St. Clair: May 15th to October 31st.
Overview of work activities:	<p>St. Clair R.:18 buoys are seasonal; the remainder are 'seasonal, in place year round'. 2 buoys are equipped with removable lanterns.</p> <p>Lake St. Clair: 5 buoys are seasonal; the remainder are 'seasonal, in place year round'.</p> <p>For year round buoys, commissioning work includes position verification, addition of lanterns and, as required, tape & numbers.</p> <p>Decommissioning work includes removal of lanterns.</p> <p>For seasonal buoys, commissioning work includes replacing winter spar with summer buoy and verifying position; decommissioning work includes replacing of summer buoy with winter spar.</p> <p>The work also includes planned cyclical mooring inspections and replacement over a 5 year cycle, i.e. 20% of the buoy moorings are inspected and replaced each year. This applies to 'year round' buoys only.</p> <p>Unscheduled work includes response to discrepancies during the operational season.</p>
Comment:	<p>The 2 areas will be tendered as separate contracts.</p> <p><i>Season start and end dates may vary as a result of ice conditions.</i></p> <p>For St. Clair River: Season start and end dates are related to St. Lawrence Seaway Opening and Closing schedules.</p>

Table: Sub-area information

Location	No. of buoys/ lighted	Max. anchor size kg	Max. buoy size (m) diameter	Max. buoy weight kg	Max. water depth (m)
C-15A; St. Clair River	40, 20 lit	2948	1.4	1811	11
C-15B: Lake St. Clair	73, 5 lit	2270	1.4	1811	7

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-15a	722.000	X32	Light buoy X32	ON	US14853	Night	1.4m Buoy	1811	Steel	Red	Seasonal	9.00	42° 30' 55.8"	82° 41' 8.9"	Concrete	2270	Chain	13	28	2
C-15a	722.500	X34	Lighted spar buoy X34	ON	US14853	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	9.00	42° 31' 9.5"	82° 40' 30.2"	Concrete	2270	Chain	13	28	2
C-15a	726.500	X42	Lighted spar buoy X42	ON	US14853	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.00	42° 32' 2.3"	82° 38' 2.3"	Concrete	2270	Chain	13	28	2
C-15a	730.700	X50	St. Clair Cutoff light buoy X50	ON	US14853	Night	1.4m Buoy	1811	Steel	Red	Seasonal	9.00	42° 32' 56.4"	82° 35' 30"	Concrete	2270	Chain	13	28	2
C-15a	731.200	A14	St. Clair Cutoff light buoy A14	ON	US14853	Night	1.4m Buoy	1811	Steel	Red	Seasonal	8.00	42° 33' 9"	82° 35' 10"	Concrete	2270	Chain	13	28	2
C-15a	737.500	A22	Light buoy A22	ON	US14853	Night	1.4m Buoy	1811	Steel	Red	Seasonal	9.00	42° 34' 6.5"	82° 34' 29.2"	Concrete	2270	Chain	13	28	2
C-15a	738.000	A24	South Channel light buoy A24	ON	US14853	Night	1.4m Buoy	1811	Steel	Red	Seasonal	8.00	42° 34' 45.1"	82° 33' 32"	Concrete	2270	Chain	13	28	2
C-15a	740.000	A30	Walpole Island light buoy A30	ON	US14853	Night	1.4m Buoy	1811	Steel	Red	Seasonal	10.00	42° 36' 13.7"	82° 31' 33.1"	Concrete	2270	Chain	13	28	2
C-15a	745.000	A36	Chenal Ecarte Shoal light buoy A36	ON	US14853	Night	1.4m Buoy	1811	Steel	Red	Seasonal	8.00	42° 38' 12.8"	82° 30' 35.4"	Concrete	2270	Chain	13	28	2
C-15a	749.100	A42/2	Stokes Point light buoy A42/2	ON	US14853	Night	1.4m Buoy	1811	Steel	Red	Seasonal	8.40	42° 44' 5"	82° 28' 47"	Concrete	2270	Chain	13.5	28	2
C-15a	751.000	A44	Recors Point light buoy A44	ON	US14853	Night	1.4m Buoy	1811	Steel	Red	Seasonal	8.00	42° 45' 41.3"	82° 27' 54.5"	Concrete	2270	Chain	13	28	2
C-15a	752.500	A46	Harts Landing light buoy A46	ON	US14853	Night	1.4m Buoy	1811	Steel	Red	Seasonal	9.00	42° 47' 15.1"	82° 28' 14.9"	Concrete	2270	Chain	13	28	2
C-15a	757.000	A54	Middle Ground light buoy A54	ON	US14853	Night	1.4m Buoy	1811	Steel	Red	Seasonal	8.00	42° 50' 30"	82° 28' 15.5"	Concrete	2270	Chain	13	28	2
C-15a	758.000	AMB	Stag Island bifurcation light buoy AMB	ON	US14853	Night	1.4m Buoy	1811	Steel	Red-green-red	Seasonal	10.00	42° 51' 23"	82° 28' 3.7"	Serrated	2948	Chain	13	28	2
C-15a	763.000	AM3	Stag Island North End light buoy AM3	ON	US14853	Night	1.4m Buoy	1811	Steel	Green	Seasonal	7.00	42° 53' 45"	82° 27' 33.5"	Concrete	2270	Chain	13	28	2
C-15a	764.000	AM	Stag Island North Cardinal light buoy AM	ON	US14853	Night	1.4m Buoy	1811	Steel	Black-yellow	Seasonal	9.00	42° 54' 19.8"	82° 27' 44"	Concrete	2270	Chain	13	28	2
C-15a	765.000	A60	St Clair River light buoy A60	ON	US14853	Night	1.4m Buoy	1811	Steel	Red	Seasonal	11.00	42° 55' 12.5"	82° 27' 22.5"	Concrete	2270	Chain	18	28	2
C-15a	765.200	AHB	Sarnia Breakwater light buoy AHB	ON	US14853	Night	1.4m Buoy	1811	Steel	Red-green-red	Seasonal	6.00	42° 58' 31"	82° 24' 36.2"	Concrete	2270	Chain	13	28	2
C-15a	766.000	A66	Bay Point light buoy A66	ON	US14853	Night	1.4m Buoy	1811	Steel	Red	Seasonal	9.00	42° 59' 21.5"	82° 25' 19.5"	Concrete	2270	Chain	18	28	2
C-15a	766.800	A68	Light buoy A68	ON	US14853	Night	1.4m Buoy	1811	Steel	Red	Seasonal	9.00	42° 59' 35"	82° 25' 25.2"	Serrated	2948	Chain	18	28	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-15a	7000.000	A28	A28	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.00	42° 35' 39.5"	82° 32' 27.5"	Concrete	2270	Chain	13	28	2
C-15a	7001.000	A62	A62	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	6.00	42° 58' 41"	82° 24' 44.16"	Concrete	2270	Chain	13	28	2
C-15a	7002.000	A64	A64	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.00	42° 59' 6.8"	82° 25' 6"	Concrete	2270	Chain	13	28	2
C-15a	7003.000	AH2	AH2	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	5.00	42° 58' 26"	82° 24' 36.8"	Concrete	2270	Chain	13	28	2
C-15a	7004.000	AH3	AH3	ON	US14853	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	42° 58' 36.5"	82° 24' 31.5"	Concrete	1135	Chain	9	28	2
C-15a	7005.000	AH5	AH5	ON	US14853	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	42° 58' 44"	82° 24' 28.9"	DOR-MOR	60	Chain	6	28	2
C-15a	7006.000	AM2	AM2	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	6.00	42° 51' 23"	82° 27' 54"	Concrete	2270	Chain	13	28	2
C-15a	7007.000	AS2	AS2	ON	US14853	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	42° 58' 46.4"	82° 24' 31.5"	DOR-MOR	60	Chain	6	28	2
C-15a	7008.000	ASB	ASB	ON	US14853	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red-green-red	Seasonal (in place year round)	5.00	42° 58' 45.5"	82° 24' 28"	DOR-MOR	60	Chain	6	28	2
C-15a	7009.000	ATB	ATB	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Red-green-red	Seasonal (in place year round)	8.00	42° 41' 27"	82° 29' 47"	Concrete	2270	Chain	13	28	2
C-15a	7011.000	X33	X33	ON	US14853	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	7.00	42° 31' 15.7"	82° 40' 34.2"	Concrete	2270	Chain	13	28	2
C-15a	7012.500	X36	X36	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	9.00	42° 31' 23.5"	82° 39' 51"	Concrete	2270	Chain	13	28	2
C-15a	7013.000	X37	X37	ON	US14853	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	7.00	42° 31' 42.8"	82° 39' 18"	Concrete	2270	Chain	13	28	2
C-15a	7014.500	X40	X40	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	9.00	42° 31' 49.3"	82° 38' 38.5"	Concrete	2270	Chain	13	28	2
C-15a	7015.000	X41	X41	ON	US14853	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	6.00	42° 32' 8.3"	82° 38' 7"	Concrete	2270	Chain	13	28	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-15a	7017.000	X45	X45	ON	US14853	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	6.00	42° 32' 34.2"	82° 36' 54"	Concrete	2270	Chain	13	28	2
C-15a	7018.000	X46	X46	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	9.00	42° 32' 28.2"	82° 36' 50"	Concrete	2270	Chain	13	28	2
C-15a	7019.000	XE	XE	ON	US14853	Unlit	0.6m Spar Can (Long)	510	Steel	Black-yellow	Seasonal (in place year round)	5.00	42° 38' 20"	82° 30' 23"	Concrete	1135	Chain	13	28	2
C-15a	7020.000	XE72	XE72	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	6.00	42° 38' 23.5"	82° 30' 21"	Concrete	1135	Chain	13	28	2
C-15a	7021.000	XS	XS	ON	US14853	Unlit	0.6m Spar Can (Long)	510	Steel	Black-yellow-black	Seasonal (in place year round)	6.00	42° 32' 50.5"	82° 36' 8.5"	Concrete	2270	Chain	13	28	2
C-15b	718.000	XM11	Mitchell Bay light buoy XM11	ON	US14850	Night	2ft 11in Tideland/NPL (WB-390)	18	Plastic	Green	Seasonal	1.00	42° 28' 11.58"	82° 25' 51.96"	DOR-MOR	32	Chain	3	20	2
C-15b	718.500	XM1	Ste. Anne Island light buoy XM1	ON	US14850	Night	2ft 11in Tideland/NPL (WB-390)	18	Plastic	Green	Seasonal	1.30	42° 28' 50.3"	82° 26' 7.2"	DOR-MOR	32	Chain	3.1	20	2
C-15b	720.300	XE6	Martin Island light buoy XE6	ON	US14850	Night	2ft 11in Tideland/NPL (WB-390)	18	Plastic	Red	Seasonal	2.00	42° 27' 29.4"	82° 27' 18.5"	DOR-MOR	62	Chain	1.4	20	2
C-15b	7074.000	XE4	XE4	ON	US14850	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	42° 26' 16"	82° 27' 9"	DOR-MOR	137	Chain	6	14	2
C-15b	7075.000	XE8	XE8	ON	US14850	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	1.00	42° 27' 15"	82° 27' 29"	DOR-MOR	32	Chain	3.1	20	2
C-15b	7076.000	XE9	XE9	ON	US14850	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	1.00	42° 27' 31"	82° 27' 16"	DOR-MOR	32	Chain	3.1	20	2
C-15b	7077.000	XE10	XE10	ON	US14850	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	1.00	42° 27' 48"	82° 27' 29"	DOR-MOR	32	Chain	3.1	20	2
C-15b	7078.000	XE11	XE11	ON	US14850	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	1.00	42° 27' 55.8"	82° 27' 25.2"	DOR-MOR	32	Chain	3.1	20	2
C-15b	7079.000	XE12	XE12	ON	US14850	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	1.00	42° 28' 10.8"	82° 27' 24.6"	DOR-MOR	32	Chain	3.1	20	2
C-15b	7080.000	XE13	XE13	ON	US14850	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	1.00	42° 28' 10.8"	82° 27' 27.6"	DOR-MOR	32	Chain	3.1	20	2
C-15b	7081.000	XE14	XE14	ON	US14850	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	1.00	42° 28' 24"	82° 27' 26.4"	DOR-MOR	32	Chain	3.1	20	2
C-15b	7082.000	XE15	XE15	ON	US14850	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	1.00	42° 28' 18"	82° 27' 29.1"	DOR-MOR	32	Chain	3.1	20	2
C-15b	7083.000	XE16	XE16	ON	US14850	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	1.00	42° 28' 28.8"	82° 27' 24"	DOR-MOR	32	Chain	3.1	20	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-15b	7084.000	XE17	XE17	ON	US14850	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	1.00	42° 28' 31.8"	82° 27' 24"	DOR-MOR	32	Chain	3.1	20	2
C-15b	7085.000	XE18	XE18	ON	US14850	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	1.00	42° 28' 31.2"	82° 27' 21.6"	DOR-MOR	32	Chain	3.1	20	2
C-15b	7086.000	XE19	XE19	ON	US14850	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	1.00	42° 28' 36"	82° 27' 13.8"	DOR-MOR	32	Chain	3.1	20	2
C-15b	7088.000	XK1	XK1	ON	US14853	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	1.00	42° 18' 31"	82° 37' 5"	DOR-MOR	32	Chain	3.1	20	2
C-15b	7089.000	XK2	XK2	ON	US14853	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	1.00	42° 18' 31"	82° 37' 7"	DOR-MOR	32	Chain	3.1	20	2
C-15b	7090.000	XK3	XK3	ON	US14853	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	1.00	42° 18' 26"	82° 37' 7"	DOR-MOR	32	Chain	3	20	2
C-15b	7091.000	XK4	XK4	ON	US14853	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	1.00	42° 18' 27"	82° 37' 9"	DOR-MOR	32	Chain	3	20	2
C-15b	7092.000	XK5	XK5	ON	US14853	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	1.00	42° 18' 23"	82° 37' 8"	DOR-MOR	32	Chain	3	20	2
C-15b	7093.000	XK6	XK6	ON	US14853	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	1.00	42° 18' 23"	82° 37' 10"	DOR-MOR	32	Chain	3	20	2
C-15b	7094.000	XK7	XK7	ON	US14853	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	1.00	42° 18' 20"	82° 37' 9"	DOR-MOR	32	Chain	3	20	2
C-15b	7095.000	XK8	XK8	ON	US14853	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	1.00	42° 18' 20"	82° 37' 11"	DOR-MOR	32	Chain	3	20	2
C-15b	7095.100	XK9	Ruscom River spar buoy XK9	ON	US14853	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	1.20	42° 18' 16"	82° 37' 10"	DOR-MOR	32	Chain	3.1	20	2
C-15b	7095.150	XK10	Ruscom River spar buoy XK10	ON	US14853	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	1.20	42° 18' 16"	82° 37' 12"	DOR-MOR	32	Chain	3.1	20	2
C-15b	7095.200	XK11	XK11	ON	US14853	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	1.20	42° 18' 12"	82° 37' 11"	DOR-MOR	32	Chain	3.1	20	2
C-15b	7095.400	XK12	XK12	ON	US14853	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	1.20	42° 18' 12"	82° 37' 13"	DOR-MOR	32	Chain	3.1	20	2
C-15b	7096.000	XM2	XM2	ON	US14850	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	1.00	42° 28' 36"	82° 26' 0"	DOR-MOR	32	Chain	3	20	2
C-15b	7097.000	XM3	XM3	ON	US14850	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	1.00	42° 28' 36"	82° 25' 59.9"	DOR-MOR	32	Chain	3	20	2
C-15b	7098.000	XM4	XM4	ON	US14850	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	1.00	42° 28' 33.6"	82° 26' 2.4"	DOR-MOR	32	Chain	3	20	2
C-15b	7099.000	XM5	XM5	ON	US14850	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	1.00	42° 28' 33"	82° 26' 1.2"	DOR-MOR	32	Chain	3	20	2
C-15b	7100.000	XM6	XM6	ON	US14850	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	1.00	42° 28' 25.2"	82° 25' 59.4"	DOR-MOR	32	Chain	3	20	2
C-15b	7101.000	XM7	XM7	ON	US14850	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	1.00	42° 28' 20"	82° 25' 50"	DOR-MOR	32	Chain	3	20	2
C-15b	7102.000	XM8	XM8	ON	US14850	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	1.00	42° 28' 18.6"	82° 25' 57"	DOR-MOR	32	Chain	3	20	2
C-15b	7103.000	XM9	XM9	ON	US14850	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	1.00	42° 28' 18.6"	82° 25' 55.2"	DOR-MOR	32	Chain	3	20	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-15b	7104.000	XM10	XM10	ON	US14850	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	1.00	42° 28' 10.2"	82° 25' 54"	DOR-MOR	32	Chain	3	20	2
C-15b	7105.000	XM12	XM12	ON	US14850	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	1.00	42° 28' 7.2"	82° 25' 40.2"	DOR-MOR	32	Chain	3	20	2
C-15b	7106.000	XM13	XM13	ON	US14850	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	1.00	42° 28' 8.4"	82° 25' 39"	DOR-MOR	32	Chain	3	20	2
C-15b	7107.000	XM14	XM14	ON	US14850	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	1.00	42° 28' 4.2"	82° 25' 25.8"	DOR-MOR	32	Chain	3	20	2
C-15b	7108.000	XM15	XM15	ON	US14850	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	1.00	42° 28' 5"	82° 25' 23"	DOR-MOR	32	Chain	3	20	2
C-15b	7109.000	XM16	XM16	ON	US14850	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	1.00	42° 28' 2"	82° 25' 25"	DOR-MOR	32	Chain	3	20	2
C-15b	7110.000	XM17	XM17	ON	US14850	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	1.00	42° 28' 0"	82° 25' 15"	DOR-MOR	32	Chain	3	20	2
C-15b	7111.000	XM18	XM18	ON	US14850	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	1.00	42° 27' 54"	82° 24' 58"	DOR-MOR	32	Chain	3	20	2
C-15b	7112.000	XM19	XM19	ON	US14850	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	1.00	42° 27' 58"	82° 24' 58"	DOR-MOR	32	Chain	3	20	2
C-15b	7120.000	XP1	XP1	ON	US14850	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	2.00	42° 19' 35.3"	82° 50' 12.5"	DOR-MOR	32	Chain	3	20	2
C-15b	7120.100	XT4/2	Thames River Temporary Red Buoy XT4/2	ON	US14850	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Temporary		42° 19' 48.8"	82° 27' 42"	DOR-MOR	32	Chain	6.1	20	2
C-15b	7121.000	XP2	XP2	ON	US14850	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	1.00	42° 19' 39.1"	82° 50' 15.4"	DOR-MOR	32	Chain	3	20	2
C-15b	7122.000	XP3	XP3	ON	US14850	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	1.00	42° 19' 27.1"	82° 50' 24.3"	DOR-MOR	32	Chain	3	20	2
C-15b	7123.000	XP4	XP4	ON	US14850	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	1.00	42° 19' 29.4"	82° 50' 27.2"	DOR-MOR	32	Chain	3	20	2
C-15b	7124.000	XP5	XP5	ON	US14850	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	1.00	42° 19' 18.5"	82° 50' 36.6"	DOR-MOR	32	Chain	3	20	2
C-15b	7125.000	XP6	XP6	ON	US14850	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	1.00	42° 19' 19.5"	82° 50' 37.9"	DOR-MOR	32	Chain	3	20	2
C-15b	7127.000	XT4	XT4	ON	US14850	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	42° 20' 2.5"	82° 28' 4.5"	Concrete	680	Chain	6	20	2
C-15b	7128.000	XT5	XT5	ON	US14850	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	42° 19' 54.5"	82° 27' 54"	Concrete	680	Chain	6	20	2
C-15b	7128.100	XT5/3	Thames River Temporary Green Buoy XT5/3	ON	US14850	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Temporary	7.00	42° 19' 49.3"	82° 27' 38.5"	DOR-MOR	32	Chain	1.9	20	2
C-15b	7129.000	XT6	XT6	ON	US14850	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	42° 19' 37.5"	82° 27' 37.002"	Concrete	680	Chain	6	20	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-15b	7130.000	XT7	XT7	ON	US14850	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	42° 19' 37.9"	82° 27' 35.5"	Concrete	680	Chain	6	20	2
C-15b	7130.100	XT9/3	Thames River Temporary Green Buoy XT9/3	ON	US14850	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Temporary	7.00	42° 19' 19.6"	82° 27' 25.7"	DOR-MOR	32	Chain	1.9	20	2
C-15b	7131.000	XT8	XT8	ON	US14850	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	42° 19' 26.5"	82° 27' 34"	Concrete	680	Chain	6	20	2
C-15b	7132.000	XT9	XT9	ON	US14850	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	42° 19' 26.4"	82° 27' 31.6"	Concrete	340	Chain	6	20	2
C-15b	7133.000	XT10	XT10	ON	US14850	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	42° 19' 12.2"	82° 27' 21.6"	Concrete	680	Chain	6	20	2
C-15b	7134.000	XT11	XT11	ON	US14850	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	42° 19' 12.678"	82° 27' 19.68"	Concrete	680	Chain	6	20	2
C-15b	7135.000	XT13	XT13	ON	US14850	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	1.00	42° 19' 7.9"	82° 27' 13.2"	Concrete	225	Chain	3	14	2
C-15b	7136.000	XY1	XY1	ON	US14850	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	1.00	42° 18' 29.4"	82° 46' 33.6"	DOR-MOR	32	Chain	3	20	2
C-15b	7137.000	XY2	XY2	ON	US14850	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	1.00	42° 18' 29.8"	82° 46' 36.7"	DOR-MOR	32	Chain	3	20	2
C-15b	7138.000	XY3	XY3	ON	US14850	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	1.00	42° 18' 23.6"	82° 46' 35.4"	DOR-MOR	32	Chain	3	20	2
C-15b	7139.000	XY4	XY4	ON	US14850	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	1.00	42° 18' 23.8"	82° 46' 38.3"	DOR-MOR	32	Chain	3	20	2
C-15b	7140.000	XY5	XY5	ON	US14850	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	1.00	42° 18' 17.7"	82° 46' 38"	DOR-MOR	32	Chain	3	20	2
C-15b	7141.000	XY6	XY6	ON	US14850	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	1.00	42° 18' 17.7"	82° 46' 40.6"	DOR-MOR	32	Chain	3	20	2

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Lake Erie, west end and Detroit River
Contract Area no.:	C-16
Province(s):	Ontario
Contract Area Description:	The Contract Area includes the Canadian waterd of the Detroit River and western Lake Erie, west of Pelee Passage.
Coast Guard Depot:	Amherstburg, Ontario
Commissioning date:	March 15th (ice dependant)
Decommissioning date:	December 31st (ice dependant)
Total no. of buoys:	87
Max. buoy size(m) diameter :	1.4
Maximum anchor size (weight (kg)):	2948
Maximum buoy weight (kg) :	1811
Maximum water depth (m) :	12
Operational Season:	Year round navigation
Overview of work activities:	<p>22 buoys are seasonal; the remainder are 'seasonal, in place year round'. 36 are equipped with lanterns.</p> <p>For year round buoys, commissioning work includes: position verification, replace tape and numbers as required. There is no decommissioning work.</p> <p>For seasonal buoys, commissioning work includes replacing winter spars with summer buoys and verifying position; decommissioning work includes replacing of summer buoys with winter spars.</p> <p>The work also includes planned cyclical mooring inspections and replacement over a 5 year cycle, i.e. 20% of the buoy moorings are inspected and replaced each year. This applies to 'year round' buoys only.</p> <p>Unscheduled work includes response to discrepancies during the operational season.</p>
Comment:	<p><i>Season start and end dates may vary as a result of ice conditions.</i></p> <p>Season start and end dates are related to St. Lawrence Seaway Opening and Closing schedules.</p>

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-16	638.200	D24	Lighted spar buoy D24	ON	US14848	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Year Round	8.00	42° 0' 45.5"	83° 8' 11.9"	Concrete	2270	Chain	13	28	2
C-16	639.000	D31	Lighted spar buoy D31	ON	US14848	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Year Round	7.00	42° 1' 44.8"	83° 8' 19.7"	Concrete	2270	Chain	13	28	2
C-16	641.000	D32	Light buoy D32	ON	US14848	Night	1.4m Buoy	1811	Steel	Red	Seasonal	8.00	42° 2' 10"	83° 7' 58.7"	Concrete	2270	Chain	13	28	2
C-16	643.000	D35	Lighted spar buoy D35	ON	US14853	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Year Round	8.00	42° 2' 46.3"	83° 7' 54.9"	Concrete	2270	Chain	13	28	2
C-16	644.000	D36	Light buoy D36	ON	US14853	Night	1.4m Buoy	1811	Steel	Red	Seasonal	9.00	42° 2' 45.5"	83° 7' 51.2"	Concrete	2270	Chain	13	28	2
C-16	644.800	D37	Lighted spar buoy D37	ON	US14853	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Year Round	9.00	42° 3' 14.5"	83° 7' 45"	Concrete	2270	Chain	13	28	2
C-16	645.000	D38	Light buoy D38	ON	US14853	Night	1.4m Buoy	1811	Steel	Red	Seasonal	9.00	42° 3' 13.908"	83° 7' 41.04"	Concrete	2270	Chain	13	28	2
C-16	647.500	D45	Lighted spar buoy D45	ON	US14853	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Year Round	9.00	42° 3' 44.5"	83° 7' 34"	Concrete	2270	Chain	13	28	2
C-16	647.600	D46	Light buoy D46	ON	US14853	Night	1.4m Buoy	1811	Steel	Red	Seasonal	9.00	42° 3' 43.968"	83° 7' 30.318"	Concrete	2270	Chain	13	28	2
C-16	650.000	D50	Light buoy D50	ON	US14853	Night	1.4m Buoy	1811	Steel	Red	Seasonal	9.00	42° 4' 12.654"	83° 7' 20.088"	Concrete	2270	Chain	13	28	2
C-16	652.000	D52	Light buoy D52	ON	US14853	Night	1.4m Buoy	1811	Steel	Red	Seasonal	9.00	42° 4' 42.132"	83° 7' 9.57"	Concrete	2270	Chain	13	28	2
C-16	654.000	D56	Light buoy D56	ON	US14853	Night	1.4m Buoy	1811	Steel	Red	Seasonal	9.00	42° 5' 23.316"	83° 6' 54.87"	Serrated	2948	Chain	13	28	2
C-16	655.000	D57	Light buoy D57	ON	US14853	Night	1.4m Buoy	1811	Steel	Green	Seasonal	9.00	42° 5' 28.6"	83° 6' 58.8"	Concrete	2270	Chain	13	28	2
C-16	658.000	D59	Light buoy D59	ON	US14853	Night	1.4m Buoy	1811	Steel	Green	Seasonal	9.00	42° 5' 49.8"	83° 7' .7"	Concrete	2270	Chain	13	28	2
C-16	659.000	D60	Light buoy D60	ON	US14853	Night	1.4m Buoy	1811	Steel	Red	Seasonal	8.00	42° 5' 49.9"	83° 6' 57"	Concrete	2270	Chain	13	28	2
C-16	661.000	D63	Light buoy D63	ON	US14853	Night	1.4m Buoy	1811	Steel	Green	Seasonal	9.00	42° 6' 20.5"	83° 7' 3.8"	Concrete	2270	Chain	13	28	2
C-16	662.000	D64	Light buoy D64	ON	US14853	Night	1.4m Buoy	1811	Steel	Red	Seasonal	9.00	42° 6' 20"	83° 7' 0"	Concrete	2270	Chain	13	28	2
C-16	665.000	D67	Light buoy D67	ON	US14853	Night	1.4m Buoy	1811	Steel	Green	Seasonal	9.00	42° 6' 51.2"	83° 7' 2.1"	Concrete	2270	Chain	13	28	2
C-16	666.000	D68	Light buoy D68	ON	US14853	Night	1.4m Buoy	1811	Steel	Red	Seasonal	9.00	42° 6' 51"	83° 6' 57.9"	Serrated	2948	Chain	13	28	2
C-16	671.000	D72	Light buoy D72	ON	US14853	Night	1.4m Buoy	1811	Steel	Red	Seasonal	9.00	42° 7' 29.9"	83° 6' 55.1"	Concrete	2270	Chain	13	28	2
C-16	675.000	D74	Light buoy D74	ON	US14853	Night	1.4m Buoy	1811	Steel	Red	Seasonal	9.00	42° 7' 49.8"	83° 7' 3.6"	Concrete	2270	Chain	13	28	2
C-16	676.000	D76	Light buoy D76	ON	US14853	Night	1.4m Buoy	1811	Steel	Red	Seasonal	9.00	42° 8' 8.1"	83° 7' 11.3"	Serrated	3630	Chain	13	28	2
C-16	679.000	D78	Light buoy D78	ON	US14853	Night	1.4m Buoy	1811	Steel	Red	Seasonal	9.00	42° 8' 27.8"	83° 7' 19.6"	Concrete	2270	Chain	13	28	2
C-16	681.000	DFB	Light buoy DFB	ON	US14853	Night	1.4m Buoy	1811	Steel	Red-green-red	Seasonal	9.00	42° 9' 9.8"	83° 7' 37.5"	Concrete	2270	Chain	13	28	2
C-16	684.500	D104	Fighting Island North light buoy D104	ON	US14853	Night	1.4m Buoy	1811	Steel	Red	Seasonal	8.00	42° 15' 0"	83° 7' 5.5"	Concrete	2270	Chain	13	28	2
C-16	686.000	DQ	Fighting Island Anchorage light buoy DQ	ON	US14853	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Yellow	Year Round	8.00	42° 15' 6.498"	83° 6' 51.4"	Concrete	1135	Chain	18	28	2
C-16	688.500	D108	Light buoy D108	ON	US14853	Night	1.4m Buoy	1811	Steel	Red	Seasonal	9.00	42° 18' 48.3"	83° 4' 4.5"	Concrete	2270	Chain	18	28	2
C-16	689.000	DL1	Lighted spar buoy DL1	ON	US14853	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Year Round	9.00	42° 2' 33.2"	83° 8' 13.4"	Concrete	2270	Chain	13	28	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-16	690.000	DL5	Lighted spar buoy DL5	ON	US14853	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Year Round	9.00	42° 3' 25.4"	83° 8' 5.1"	Concrete	2270	Chain	13	28	2
C-16	691.000	DL6	Light buoy DL6	ON	US14853	Night	1.4m Buoy	1811	Steel	Red	Seasonal	9.00	42° 3' 27.2"	83° 7' 59.1"	Concrete	2270	Chain	13	28	2
C-16	7022.000	D26	D26	ON	US14848	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.00	42° 1' 0"	83° 8' 10.2"	Concrete	2270	Chain	13	28	2
C-16	7023.000	D27	D27	ON	US14848	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	9.00	42° 1' 17.2"	83° 8' 23.3"	Concrete	2270	Chain	13	28	2
C-16	7024.000	D28	D28	ON	US14848	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	9.00	42° 1' 17"	83° 8' 8"	Concrete	2270	Chain	13	28	2
C-16	7025.000	D29	D29	ON	US14848	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.00	42° 1' 33"	83° 8' 21.33"	Concrete	2270	Chain	13	28	2
C-16	7026.000	D55	D55	ON	US14853	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	11.00	42° 5' 17.2"	83° 7' 1.18"	Concrete	2270	Chain	13	28	2
C-16	7027.000	D80	D80	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	6.00	42° 8' 48.5"	83° 7' 28.3"	Concrete	2270	Chain	13	28	2
C-16	7028.000	D84	D84	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.00	42° 9' 28.2"	83° 7' 45"	Concrete	2270	Chain	13	28	2
C-16	7029.000	D102	D102	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	12.00	42° 14' 35.2"	83° 7' 28.5"	Concrete	2270	Chain	13	28	2
C-16	7031.000	DA	DA	ON	US14853	Unlit	0.6m Spar Can (Long)	510	Steel	Yellow-black-yellow	Seasonal (in place year round)	8.00	42° 7' 55.5"	83° 7' 1.5"	Concrete	2270	Chain	13	28	2
C-16	7032.000	DA2	DA2	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.00	42° 2' 44"	83° 7' 46"	Concrete	2270	Chain	13	28	2
C-16	7033.000	DA4	DA4	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	6.00	42° 3' 13"	83° 7' 37"	Concrete	2270	Chain	13	28	2
C-16	7035.000	DA8	DA8	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	7.00	42° 3' 43"	83° 7' 26"	Concrete	2270	Chain	13	28	2
C-16	7036.000	DA10	DA10	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.00	42° 4' 11.5"	83° 7' 16.5"	Concrete	2270	Chain	13	28	2
C-16	7037.000	DA12	DA12	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.00	42° 4' 41.4"	83° 7' 5.5"	Concrete	2270	Chain	13	28	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-16	7038.000	DA14	DA14	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	7.00	42° 5' 23.8"	83° 6' 50.5"	Concrete	2270	Chain	13	28	2
C-16	7041.000	DA20	DA20	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	7.00	42° 6' 20.5"	83° 6' 56.1"	Concrete	2270	Chain	13	28	2
C-16	7042.000	DA22	DA22	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	6.00	42° 6' 50.7"	83° 6' 54.1"	Concrete	2270	Chain	13	28	2
C-16	7043.000	DA24	DA24	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	6.00	42° 7' 14"	83° 6' 52.6"	Concrete	2270	Chain	13	28	2
C-16	7050.000	DF	DF	ON	US14853	Unlit	0.6m Spar Can (Long)	510	Steel	Black-yellow	Seasonal (in place year round)	6.00	42° 14' 52.5"	83° 7' .5"	Concrete	2270	Chain	13	28	2
C-16	7051.000	DF1	DF1	ON	US14853	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.00	42° 9' 26"	83° 7' 28.7"	Concrete	2270	Chain	13	28	2
C-16	7052.000	DF2	DF2	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	9.00	42° 9' 27"	83° 7' 18.5"	Concrete	2270	Chain	13	28	2
C-16	7053.000	DF3	DF3	ON	US14853	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	9.00	42° 9' 57"	83° 7' 29"	Concrete	2270	Chain	13	28	2
C-16	7053.100	DF4	DF4	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	9.00	42° 10' 20"	83° 7' 21.7"	Concrete	1135	Chain	13	28	2
C-16	7054.000	DF6	DF6	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	9.00	42° 10' 42"	83° 7' 14.6"	Concrete	1135	Chain	13	28	2
C-16	7055.000	DF7	DF7	ON	US14853	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	6.00	42° 10' 53"	83° 7' 15"	Concrete	1135	Chain	13	28	2
C-16	7056.000	DF8	DF8	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	9.00	42° 11' 8"	83° 7' 6.3"	Concrete	1135	Chain	13	28	2
C-16	7057.000	DF9	DF9	ON	US14853	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	6.00	42° 11' 16.7"	83° 7' 3"	Concrete	1135	Chain	13	28	2
C-16	7059.000	DF12	DF12	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	7.00	42° 11' 31.5"	83° 6' 39.5"	Concrete	2270	Chain	13	28	2
C-16	7059.500	DF13	DF13	ON	US14853	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.00	42° 11' 52"	83° 6' 42"	Concrete	1135	Chain	13	28	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-16	7060.000	DF15	DF15	ON	US14853	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	6.00	42° 12' 17"	83° 6' 48"	Concrete	1135	Chain	13	28	2
C-16	7061.000	DF16	DF16	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	6.00	42° 12' 17"	83° 6' 39.5"	Concrete	1135	Chain	13	20	2
C-16	7061.500	DF19	DF19	ON	US14853	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	7.00	42° 12' 54"	83° 6' 47.8"	Concrete	1135	Chain	13	28	2
C-16	7062.000	DF20	DF20	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	5.00	42° 12' 54"	83° 6' 40.7"	Concrete	1135	Chain	13	28	2
C-16	7063.000	DF22	DF22	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	6.00	42° 13' 30.4"	83° 6' 42.6"	Concrete	1135	Chain	13	28	2
C-16	7065.000	DF25	DF25	ON	US14853	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	7.00	42° 13' 30"	83° 6' 49.5"	Concrete	1135	Chain	13	28	2
C-16	7066.000	DF27	DF27	ON	US14853	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.00	42° 14' 9.5"	83° 6' 35.5"	Concrete	1135	Chain	13	28	2
C-16	7067.000	DF30	DF30	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	7.00	42° 14' 46"	83° 6' 49.5"	Concrete	2270	Chain	13	28	2
C-16	7068.000	DL3	DL3	ON	US14853	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.00	42° 2' 58.7"	83° 8' 9.9"	Concrete	2270	Chain	13	28	2
C-16	7069.000	DL4	DL4	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	9.00	42° 2' 58"	83° 7' 59.8"	Concrete	2270	Chain	13	28	2
C-16	7070.000	DL7	DL7	ON	US14853	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.00	42° 3' 51.5"	83° 8' 1.6"	Concrete	2270	Chain	13	28	2
C-16	7071.000	DL8	DL8	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.00	42° 3' 51"	83° 7' 55.8"	Concrete	2270	Chain	13	28	2
C-16	7685.000	DG	DG	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Black-yellow	Seasonal (in place year round)	6.00	42° 13' 45"	83° 6' 36.25"	Concrete	1135	Chain		28	2
C-16	7686.000	DG2	DG2	ON	US14853	Unlit	0.6m Spar Conical (Short)	510	Steel	Red	Seasonal (in place year round)	7.00	42° 12' 11.5"	83° 6' 21.5"	Concrete	1135	Chain		28	2
C-16	7687.000	DG6	DG6	ON	US14853	Unlit	0.6m Spar Conical (Short)	510	Steel	Red	Seasonal (in place year round)	6.00	42° 12' 54.2"	83° 6' 21.3"	Concrete	1135	Chain		28	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-16	7688.000	DG8	DG8	ON	US14853	Unlit	0.6m Spar Conical (Short)	510	Steel	Red	Seasonal (in place year round)	6.00	42° 13' 31"	83° 6' 22.5"	Concrete	1135	Chain		20	2
C-16	7689.000	DG10	DG10	ON	US14853	Unlit	0.6m Spar Conical (Short)	510	Steel	Red	Seasonal (in place year round)	6.00	42° 13' 43.5"	83° 6' 31.5"	Concrete	1135	Chain		20	2
C-16	7690.000	DGB	DGB	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Red-green-red	Seasonal (in place year round)	7.00	42° 11' 51.5"	83° 6' 33"	Concrete	1135	Chain		28	2
C-16	597.400	E6	Pelee Passage East lighted spar buoy E6	ON	2123	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Year Round	11.00	41° 49' 12.149"	82° 28' 11.636"	Concrete	2270	Chain	18	28	2
C-16	600.000	EP2	Point Pelee lighted spar buoy EP2	ON	2123	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	9.00	41° 52' 9.5"	82° 30' 29.1"	Concrete	2270	Chain	18	28	2
C-16	601.000	E9	Pelee Passage Middle Ground lighted spar buoy E9	ON	2123	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Year Round	9.00	41° 51' 25"	82° 34' 51.9"	Concrete	2270	Chain	18	20	2
C-16	608.000	E8	Grubb Reef lighted spar buoy E8	ON	2123	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Year Round	8.00	41° 51' 55.15"	82° 33' 38.641"	Concrete	2270	Chain	23	28	2
C-16	609.000	E10	Pelee Passage Turning lighted spar buoy E10	ON	2123	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Year Round	10.00	41° 53' 9"	82° 38' 44"	Concrete	2270	Chain	18	28	2
C-16	619.000	E13	North Harbour Island Reef lighted spar buoy E13	ON	2123	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	10.00	41° 51' 1"	82° 51' 11.68"	Concrete	2270	Chain	18	28	2
C-16	7154.000	EG	EG	ON	2123	Unlit	0.6m Spar Can (Long)	510	Steel	Black-yellow-black	Seasonal (in place year round)	7.00	41° 46' 11.436"	82° 46' 50.4322"	Concrete	2270	Chain	13	28	2
C-16	7157.000	EJ	EJ	ON	2123	Unlit	0.6m Spar Can (Long)	510	Steel	Yellow-black-yellow	Seasonal (in place year round)	9.00	41° 46' 35"	82° 49' 11.5"	Concrete	2270	Chain	13	28	2
C-16	7159.000	EM2	EM2	ON	2123	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	6.00	41° 57' 55"	82° 56' 3"	Concrete	2270	Chain	13.7	28	2
C-16	7184.000	EY	EY	ON	US14844	Unlit	0.6m Spar Can (Long)	510	Steel	Black-yellow-black	Seasonal (in place year round)	5.00	41° 42' 54.5"	82° 36' 51.3"	Concrete	2270	Chain	13	28	2

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Lake Erie Harbours
Contract Area no.:	C-17, A-C
Province(s):	Ontario
Contract Area Description:	The Contract Area includes 3 sub-contract areas: C-17A; Port Bruce C-17B: Port Stanley C-17C: Wheatley
Coast Guard Depot:	Amherstburg, Ontario
Commissioning date:	March 1st (ice dependant)
Decommissioning date:	November 15th
Total no. of buoys:	8
Max. buoy size(m) diameter :	see table, page 2
Maximum anchor size (weight (kg)):	see table, page 2
Maximum buoy weight (kg) :	see table, page 2
Maximum water depth (m) :	see table, page 2
Operational Season:	March 1st to November 15th
Overview of work activities:	All buoys are 'seasonal, in place year round' ; all buoys are unlit. At Commissioning, work includes position verification, replacement of tape and numbers as required. The work includes planned cyclical mooring inspections and replacement over a 5 year cycle, i.e. 20% of the buoy moorings are inspected and replaced each year. Unscheduled work includes response to discrepancies during the operational season.
Comment:	The harbours will be tendered as separate contracts.

Table: Sub-area information

Location	No. of buoys/ lighted	Max. anchor size kg	Max. buoy size (m) diameter	Max. buoy weight kg	Max. water depth (m)
C-17A; Port Bruce	1 unlit	682	0.3	65	3
C-17B: Port Stanley	6, unlit	2270	0.6	637	8
C-17C: Wheatley	1 unlit	2270	0.6	637	5

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-17a	7144.000	EB2	EB2	ON	2121	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	42° 39' 9.9"	81° 0' 27.9"	Concrete	560	Chain	6.1	28	2
C-17b	705.400	D110	Light buoy D110	ON	US14853	Night	1.4m Buoy	1811	Steel	Red	Seasonal	11.00	42° 20' 31.7"	82° 57' 5.9"	Concrete	2270	Chain	13	28	2
C-17b	705.600	DPB	Light buoy DPB	ON	US14853	Night	1.4m Buoy	1811	Steel	Red-green-red	Seasonal	9.00	42° 20' 44.2"	82° 56' 49.7"	Concrete	2270	Chain	13	28	2
C-17b	7072.000	DP3	DP3	ON	US14853	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.00	42° 20' 38"	82° 55' 56"	Concrete	2270	Chain	13	28	2
C-17b	7073.000	DP8	DP8	ON	US14853	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	6.00	42° 20' 42.5"	82° 54' 22"	Concrete	1135	Chain	9	28	2
C-17b	7168.000	ES1	ES1	ON	2181	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.00	42° 39' 8.5"	81° 12' 44.1"	Concrete	2270	Chain	10.7	28	2
C-17b	7169.000	ES2	ES2	ON	2181	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	7.00	42° 39' 10"	81° 12' 39.9"	Concrete	2270	Chain	10.7	28	2
C-17b	7170.000	ES3	ES3	ON	2181	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	42° 39' 15.1"	81° 12' 47"	Concrete	2227	Chain	10.7	28	2
C-17b	7171.000	ES4	ES4	ON	2181	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	42° 39' 15.6"	81° 12' 42.4"	Concrete	2227	Chain	10.7	28	2
C-17b	7172.000	ES6	ES6	ON	2181	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	42° 39' 20.5"	81° 12' 44.5"	Concrete	2227	Chain	10.7	20	2
C-17b	7173.000	ES8	ES8	ON	2181	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	42° 39' 24.7"	81° 12' 44.7"	Concrete	560	Chain	10.7	20	2
C-17c	7183.000	EW2	EW2	ON	2122	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	5.00	42° 4' 24"	82° 26' 43"	Concrete	2270	Chain	10	28	2

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Lake Erie, Long Point Inner Bay
Contract Area no.:	C-18
Province(s):	Ontario
Contract Area Description:	The Contract Area includes Inner Bay to the north of Long Point, Lake Erie.
Coast Guard Depot:	Amherstburg, Ontario
Commissioning date:	May 1st
Decommissioning date:	October 31st
Total no. of buoys:	10
Max. buoy size(m) diameter :	0.6
Maximum anchor size (weight (kg)):	2270
Maximum buoy weight (kg) :	510
Maximum water depth (m) :	10
Operational Season:	May 1st to October 31st
Overview of work activities:	All buoys are 'seasonal, in-place year round', 1 buoy has a 'year round' lantern. At Commissioning, work includes position verification of buoys and, as required, tape & numbers. The work includes planned cyclical mooring inspections and replacement over a 5 year cycle, i.e. 20% of the buoy moorings are inspected and replaced each year, for year round buoys only.
Comment:	

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-18	578.000	EA11	Bluff Bar Lighted Spar EA11	ON	2110	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	10.00	42° 35' 46.1"	80° 9' 31"	Concrete	2270	Chain	13.7	28	2
C-18	7145.000	EC1	EC1	ON	2110	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	42° 38' 42"	80° 18' 23"	Concrete	680	Chain	9.1	20	2
C-18	7146.000	EC2	EC2	ON	2110	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	42° 38' 49"	80° 18' 35"	Concrete	560	Chain	9.1	20	2
C-18	7147.000	EC3	EC3	ON	2110	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	42° 38' 23"	80° 19' 1"	DOR-MOR	137	Chain	7.6	20	2
C-18	7148.000	EC4	EC4	ON	2110	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	42° 38' 28"	80° 19' 10"	DOR-MOR	137	Chain	7.6	20	2
C-18	7149.000	EC5	EC5	ON	2110	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	42° 37' 51"	80° 20' 0"	DOR-MOR	137	Chain	7.6	20	2
C-18	7150.000	EC6	EC6	ON	2110	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	42° 37' 55"	80° 20' 8"	DOR-MOR	137	Chain	9.1	20	2
C-18	7151.000	EC8	EC8	ON	2110	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	42° 37' 32"	80° 20' 46"	DOR-MOR	137	Chain	7.6	20	2
C-18	7155.000	EH3	EH3	ON	2110	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.00	42° 35' 46.13"	80° 10' 28.35"	Concrete	2270	Chain	13.7	28	2
C-18	7156.000	EH5	EH5	ON	2110	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	6.00	42° 35' 19"	80° 11' 38"	Concrete	2268	Chain	13.7	28	2

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Welland Canal & eastern Lake Erie.
Contract Area no.:	C-19
Province(s):	Ontario
Contract Area Description:	The Contract Area includes the Welland Canal and the eastern portion of Lake Erie as far as Long Point.
Coast Guard Depot:	Amherstburg, Ontario
Commissioning date:	March 22nd
Decommissioning date:	December 30th
Total no. of buoys:	61
Max. buoy size(m) diameter :	1.4
Maximum anchor size (weight (kg)):	3628
Maximum buoy weight (kg) :	1811
Maximum water depth (m) :	15
Operational Season:	Year round navigation
Overview of work activities:	<p>3 buoys are completely lifted in the fall and replaced in the spring; all remaining buoys are 'seasonal, in-place year round', 18 buoys have (removable) lanterns; 2 buoys are replaced with winter spars.</p> <p>At Commissioning, work includes placing of 3 buoys, swopping of 2 winter spars for summer buoys, position verification of buoys, addition of lanterns and, as required, tape & numbers.</p> <p>Decommissioning work includes removal of lanterns, lifting of 3 buoys and swopping of 2 summer buoys for winter spars.</p> <p>The work includes planned cyclical mooring inspections and replacement over a 5 year cycle, i.e. 20% of the buoy moorings are inspected and replaced each year, for year round buoys only.</p> <p>Unscheduled work includes response to discrepancies during the operational season.</p>
Comment:	<p><i>Season start and end dates may vary as a result of ice conditions.</i></p> <p>Season start and end dates are related to St. Lawrence Seaway Opening and Closing schedules.</p>

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-19	566.040	EN2	Lighted spar buoy EN2	ON	2110	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Year Round	12.00	42° 44' 23.4"	80° 5' 26"	Serrated	3628	Chain	18	28	2
C-19	566.050	EN1	Lighted spar buoy EN1	ON	2110	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Year Round	12.00	42° 44' 36.3"	80° 5' 45.8"	Serrated	6227	Chain	18	28	2
C-19	566.060	EN5	Lighted spar buoy EN5	ON	2110	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Year Round	12.00	42° 45' 8.1"	80° 5' 1"	Serrated	3628	Chain	18	28	2
C-19	566.070	EN6	Lighted spar buoy EN6	ON	2110	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Year Round	13.00	42° 44' 57.2"	80° 4' 45.7"	Serrated	3628	Chain	18	28	2
C-19	566.080	EN7	Lighted spar buoy EN7	ON	2110	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Year Round	11.00	42° 45' 27.9"	80° 4' 35.1"	Serrated	6000	Chain	18	28	2
C-19	566.090	EN8	Lighted spar buoy EN8	ON	2110	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Year Round	12.00	42° 45' 30.3"	80° 4' 5.2"	Serrated	3628	Chain	18	28	2
C-19	566.300	EN9	Lighted spar buoy EN9	ON	2110	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Year Round	10.00	42° 46' 12.4"	80° 3' 35"	Serrated	3628	Chain	18	28	2
C-19	566.310	EN10	Lighted spar buoy EN10	ON	2110	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Year Round	11.00	42° 46' 4.4"	80° 3' 24.9"	Serrated	3628	Chain	18	28	2
C-19	566.340	EN11	Lighted spar buoy EN11	ON	2110	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Year Round	10.00	42° 46' 44.3"	80° 2' 52.1"	Serrated	6227	Chain	18	28	2
C-19	566.350	EN12	Lighted spar buoy EN12	ON	2110	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Year Round	10.00	42° 46' 38.2"	80° 2' 44.4"	Concrete	2270	Chain	18	28	2
C-19	566.360	EN14	Lighted spar buoy EN14	ON	2110	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Year Round	9.00	42° 47' 2.3"	80° 2' 16.2"	Serrated	3628	Chain	13	28	2
C-19	566.430	EN17	Lighted spar buoy EN17	ON	2110	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Year Round	9.00	42° 47' 21.5"	80° 2' 45"	Serrated	6227	Chain	13.7	28	2
C-19	568.500	EA8	Nanticoke Shoal lighted spar buoy EA8	ON	2110	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Year Round	11.00	42° 43' 42.2"	80° 3' 38"	Serrated	2948	Chain	27	28	2
C-19	7153.000	ED4	ED4	ON	2110	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	42° 46' 19.43"	80° 11' 48.71"	Concrete	1135	Chain	9.1	20	2
C-19	7153.500	ED6	ED6	ON	2120	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	42° 46' 41.1"	80° 11' 53.8"	Concrete	560	Chain	9.1	20	2
C-19	7153.600	ED7	Port Dover spar buoy ED7	ON	2120	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	11.00	42° 46' 48.87"	80° 12' 9.56"	Concrete	910	Chain	2.8	20	2
C-19	7162.000	EN18	EN18	ON	2110	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	9.00	42° 47' 21.5"	80° 2' 9.2"	Concrete	2270	Chain	13	28	2
C-19	7165.000	EN21	EN21	ON	2110	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	10.00	42° 47' 41.2"	80° 2' 36.8"	Concrete	2270	Chain	12	28	2
C-19	7166.000	EN22	EN22	ON	2110	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.00	42° 47' 42.5"	80° 2' 18"	Concrete	2270	Chain	13	28	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-19	553.200	EA2	Point Abino light buoy EA2	ON	2120	Night	1.4m Buoy	1811	Steel	Red	Seasonal	6.00	42° 49' 39"	79° 5' 48"	Serrated	2948	Chain	18.3	28	2
C-19	553.600	EA2/2	Cassaday Point lighted spar buoy EA2/2	ON	2120	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	15.00	42° 50' 24.5"	79° 14' 11.4"	Concrete	2270	Chain	27	28	2
C-19	561.000	EA4	Mohawk Island lighted spar buoy EA4	ON	2120	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	15.00	42° 48' 49.4"	79° 31' 1.7"	Concrete	2270	Chain	27	28	2
C-19	565.000	EA6	Tecumseh Reef lighted spar buoy EA6	ON	2120	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	15.00	42° 47' 39"	79° 43' 27.8"	Concrete	2270	Chain	27	28	2
C-19	7158.000	EL2	EL2	ON	2120	Unlit	0.6m Spar Conical (Short)	510	Steel	Red	Seasonal (in place year round)	4.00	42° 51' 24.21"	79° 25' 35.27"	Concrete	2270	Chain	13.7	28	2
C-19	551.080	WC1	Lighted spar buoy WC1	ON	2042	Night	0.6m SB 60 Spar Can Pl		Plastic	Green	Seasonal (in place year round)	9.00	43° 14' 31.32"	79° 12' 57.24"	Concrete	2227	Chain	3.3	28	2
C-19	551.090	WC2	Lighted spar buoy WC2	ON	2042	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	9.00	43° 14' 31.44"	79° 13' 3.18"	Concrete	2227	Chain	3.7	28	2
C-19	551.110	WC7	Lighted spar buoy WC7	ON	2042	Night	0.6m SB 60 Spar Can Pl		Plastic	Green	Seasonal (in place year round)	9.00	43° 14' 1.74"	79° 12' 57.54"	Concrete	2227	Chain	3.3	28	2
C-19	551.120	WC8	Lighted spar buoy WC8	ON	2042	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	9.00	43° 14' 1.74"	79° 13' 4.38"	Concrete	2227	Chain	3.3	28	2
C-19	551.180	WC9	Lighted spar buoy WC9	ON	2042	Night	0.6m SB 60 Spar Can Pl		Plastic	Green	Seasonal (in place year round)	8.00	43° 12' 33.4"	79° 12' 34.9"	Concrete	1135	Chain	9.1	28	2
C-19	551.210	WC11	Lighted spar buoy WC11	ON	2042	Night	0.6m SB 60 Spar Can Pl		Plastic	Green	Seasonal (in place year round)	8.00	43° 12' 1.75"	79° 12' 22.3"	Concrete	1135	Chain	9.1	28	2
C-19	551.230	WC13	Lighted spar buoy WC13	ON	2042	Night	0.6m SB 60 Spar Can Pl		Plastic	Green	Seasonal (in place year round)	8.00	43° 11' 13.38"	79° 11' 52.26"	Concrete	2227	Chain	2.8	28	2
C-19	551.240	WC17	Lighted spar buoy WC17	ON	2042	Night	0.6m SB 60 Spar Can Pl		Plastic	Green	Seasonal (in place year round)	8.00	43° 11' .42"	79° 11' 47.28"	Concrete	1135	Chain	9.1	28	2
C-19	551.260	WC19	Lighted spar buoy WC19	ON	2042	Night	0.6m SB 60 Spar Can Pl		Plastic	Green	Seasonal (in place year round)	8.00	43° 10' 47.88"	79° 11' 46.2"	Concrete	2227	Chain	2.8	28	2
C-19	551.270	WC21	Lighted spar buoy WC21	ON	2042	Night	0.6m SB 60 Spar Can Pl		Plastic	Green	Seasonal (in place year round)	8.00	43° 10' 22.32"	79° 11' 42.84"	Concrete	2227	Chain	2.8	28	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-19	551.280	WC23	Lighted spar buoy WC23	ON	2042	Night	0.6m SB 60 Spar Can PI		Plastic	Green	Seasonal (in place year round)	8.00	43° 10' 13.14"	79° 11' 42.48"	Concrete	1135	Chain	9.1	28	2
C-19	551.330	WC31	Lighted spar buoy WC31	ON	2042	Night	0.6m SB 60 Spar Can PI		Plastic	Green	Seasonal (in place year round)	9.00	43° 6' 40.5"	79° 11' 50.22"	Concrete	1135	Chain	9.1	28	2
C-19	551.340	WC33	Lighted spar buoy WC33	ON	2042	Night	0.6m SB 60 Spar Can PI		Plastic	Green	Seasonal (in place year round)	9.00	43° 6' 29.2"	79° 11' 57.2"	Concrete	1135	Chain	9.1	28	2
C-19	551.390	WC37	Lighted spar buoy WC37	ON	2042	Night	0.6m SB 60 Spar Can PI		Plastic	Green	Seasonal (in place year round)	10.00	43° 3' 40"	79° 12' 42.3"	Concrete	1135	Chain	10.7	28	2
C-19	551.410	WC39	Lighted spar buoy WC39	ON	2042	Night	0.6m SB 60 Spar Can PI		Plastic	Green	Seasonal (in place year round)	9.00	43° 2' 11.96"	79° 12' 43.32"	Concrete	2227	Chain	2.8	28	2
C-19	551.430	WC40	Lighted spar buoy WC40	ON	2042	Night	0.6m Spar Conical (Short)	510	Steel	Red	Seasonal (in place year round)	9.00	43° 1' 58"	79° 12' 46.45"	Concrete	1135	Chain	10.7	20	2
C-19	551.520	WC42	Lighted spar buoy WC42	ON	2042	Night	0.6m SB 60 Spar Conical PI		Plastic	Red	Seasonal (in place year round)	9.00	42° 55' 33.73"	79° 14' 27.05"	Concrete	1135	Chain	9.1	28	2
C-19	551.540	WC43	Lighted spar buoy WC43	ON	2042	Night	0.6m SB 60 Spar Can PI		Plastic	Green	Seasonal (in place year round)	10.00	42° 55' 6.87"	79° 14' 28.61"	Concrete	2227	Chain	2.8	28	2
C-19	551.630	WC53	Lighted spar buoy WC53	ON	2042	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	10.00	42° 52' 30.1"	79° 14' 55.1"	Concrete	2227	Chain	3.7	28	2
C-19	551.640	WC55	Lighted spar buoy WC55	ON	2042	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	10.00	42° 52' 20.4"	79° 14' 57.9"	Concrete	2227	Chain	3.7	28	2
C-19	551.660	WC57	Lighted spar buoy WC57	ON	2042	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	10.00	42° 52' 11.2"	79° 15' .6"	Concrete	2227	Chain	3.7	28	2
C-19	551.670	WC59	Lighted spar buoy WC59	ON	2042	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	11.00	42° 52' 2.1"	79° 15' 3.4"	Concrete	2227	Chain	4.2	28	2
C-19	551.730	E3	Port Colborne lighted spar buoy E3	ON	2042	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	10.00	42° 51' 42.1"	79° 15' 11.8"	Serrated	6227	Chain	18	28	2
C-19	7142.000	E1	E1	ON	2042	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	11.00	42° 51' 50.865"	79° 15' 8.277"	Concrete	2270	Chain	13.7	28	2
C-19	7700.000	WC3	WC3	ON	2042	Unlit	0.6m Spar Can (Short)	510	Steel	Green	Year Round	0.00	43° 14' 21.42"	79° 12' 57.3"	Concrete	1135	Chain	12.2	20	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-19	7700.010	WC34	WC34	ON	2042	Unlit	0.6m Spar Conical (Short)	510	Steel	Red	Seasonal (in place year round)		43° 4' 32.7"	79° 12' 38.9"	Concrete	2227	Chain	3.7	20	2
C-19	7700.020	WC36	WC36	ON	2042	Unlit	0.6m Spar Conical (Short)	510	Steel	Red	Seasonal (in place year round)		43° 4' 28.8"	79° 12' 39.4"	Concrete	2227	Chain	3.7	20	2
C-19	7701.000	WC4	WC4	ON	2042	Unlit	0.6m Spar Conical (Short)	510	Steel	Red	Year Round	9.00	43° 14' 21.42"	79° 13' 3.48"	Concrete	1135	Chain	12.2	20	2
C-19	7702.000	WC5	WC5	ON	2042	Unlit	0.6m Spar Can (Short)	510	Steel	Green	Year Round	9.00	43° 14' 11.58"	79° 12' 57.42"	Concrete	1135	Chain	12.2	20	2
C-19	7703.000	WC6	WC6	ON	2042	Unlit	0.6m Spar Conical (Short)	510	Steel	Red	Year Round	9.00	43° 14' 11.58"	79° 13' 3.96"	Concrete	1135	Chain	12.2	20	2
C-19	7703.500	WC15	WC15	ON	2042	Unlit	0.6m Spar Can (Short)	510	Steel	Green	Year Round	8.20	43° 11' 7.32"	79° 11' 49.98"	Concrete	1135	Chain	10.7	20	2
C-19	7705.002	WT2	WT2	ON	2042	Unlit	0.6m Spar Conical (Short)	510	Steel	Red	Year Round	8.20	43° 6' 43.2"	79° 11' 38.2"	Concrete	560	Chain	9.1	20	2
C-19	7705.004	WT4	WT4	ON	2042	Unlit	0.6m Spar Conical (Short)	510	Steel	Red	Year Round	8.20	43° 6' 45.6"	79° 11' 20.7"	Concrete	560	Chain	2.8	20	2
C-19	7706.000	WC46	WC46	ON	2042	Unlit	0.6m Spar Conical (Short)	510	Steel	Red	Year Round	10.70	42° 53' 6"	79° 14' 56.65"	Concrete	2227	Chain	3.3	20	2
C-19	7707.000	WC48	WC48	ON	2042	Unlit	0.6m Spar Conical (Short)	510	Steel	Red	Year Round	10.70	42° 52' 57"	79° 14' 56.8"	Concrete	2227	Chain	10.7	20	2
C-19	7708.500	WC52	WC52	ON	2042	Unlit	0.6m Spar Conical (Short)	510	Steel	Red	Year Round	35.00	42° 52' 52.6"	79° 14' 56.9"	Concrete	2227	Chain	10.7	20	2
C-19	7709.000	WP3	WP3	ON	2042	Unlit	0.6m Spar Can (Short)	510	Steel	Green	Year Round	7.00	42° 52' 11.75"	79° 15' 12"	Concrete	2227	Chain	9.1	20	2

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area name:	Lake Ontario Harbours
Contract Area no.:	C-20

Province(s): Ontario

Contract Area Description: The Contract Area includes 9 sub-contract areas:

C-20A: Gosport	C-20F: Toronto
C-20B: Peter Rock,	C-20G: Port Credit
C-20C: Port Darlington,	C-20H: Oakville/Bronte
C-20D: Oshawa	C-20J: Port Dalhousie
C-20E: Whitby	

Coast Guard Depot: Prescott, Ontario

Commissioning date: Toronto and Oshawa, April 15th, remainder May 1st

Decommissioning date: N/A, see overview below

Total no. of buoys: 52

Max. buoy size(m) diameter : see table, page 2

Maximum anchor size (weight (kg)): see table, page 2

Maximum buoy weight (kg) : see table, page 2

Maximum water depth (m) : see table, page 2

Operational Season: April 15th (Toronto and Oshawa)/ remainder May 1st. End of season: December 31st (Toronto and Oshawa)/ remainder November 15th

Overview of work activities: All buoys are 'seasonal, in place year round' ; 9 buoys are lit (lanterns remain on the buoy year round)
At Commissioning, work includes position verification, replacement of tape and numbers as required.
The work includes planned cyclical mooring inspections and replacement over a 5 year cycle, i.e. 20% of the buoy moorings are inspected and replaced each year. .
Unscheduled work includes response to discrepancies during the operational season.

Comment: The sub-areas will be contracted as separate contracts.

Table: Sub-area information

Location	No. of buoys/ lighted	Max. anchor size kg	Max. buoy size (m) diameter	Max. buoy weight kg	Max. water depth (m)
C-20A: Gosport	21 buoys [1 lit]	1135	0.6	510	7
C-20B: Peter Rock,	1 lit.	2270	0.6	510	15
C-20C: Port Darlington,	1 unlit	680	0.6	510	4
C-20D: Oshawa	6 buoys [1 lit]	2948	0.6	640	9
C-20E: Whitby	11 unlit	1135	0.6	510	4
C-20F: Toronto	6 lit	2270	0.6	510	25
C-20G: Port Credit	3 unlit	453	0.6	510	2
C-20H: Oakville /Bronte.	2 unlit	1135	0.3	65	3
C-20J: Port Dalhousie	1 unlit	1135	0.3	65	4

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-20a	491.800	P	Presqu'ile Point lighted spar buoy P	ON	2021	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red-white	Seasonal (in place year round)	8.00	43° 59' 57.223"	77° 39' 47.08"	Serrated	2948	Chain	13	28	2
C-20a	7437.000	MP1	MP1	ON	2021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 1' 50.72"	77° 40' 51.08"	Concrete	453	Chain		20	2
C-20a	7438.000	MP3	MP3	ON	2021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 1' 45.22"	77° 41' 9.08"	Concrete	340	Chain		20	2
C-20a	7439.000	MP5	MP5	ON	2021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 1' 39.9"	77° 41' 30.24"	Concrete	453	Chain		20	2
C-20a	7440.000	MP7	MP7	ON	2021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	44° 1' 33.22"	77° 41' 48.08"	Concrete	453	Chain		20	2
C-20a	7441.000	MP9	MP9	ON	2021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	44° 1' 27.22"	77° 42' 4.58"	Concrete	340	Chain		20	2
C-20a	7442.000	MP11	MP11	ON	2021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	44° 1' 21.22"	77° 42' 17.08"	Concrete	453	Chain		20	2
C-20a	7443.000	MP12	MP12	ON	2021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 1' 18.22"	77° 42' 27.58"	Concrete	453	Chain		20	2
C-20a	7444.000	MP13	MP13	ON	2021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 1' 13.22"	77° 42' 32.08"	Concrete	453	Chain		20	2
C-20a	7445.000	MP14	MP14	ON	2021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	44° 1' 1.223"	77° 42' 59.086"	Concrete	680	Chain		20	2
C-20a	7446.000	MP15	MP15	ON	2021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	44° 1' 4.22"	77° 42' 39.08"	Concrete	453	Chain		20	2
C-20a	7447.000	MP17	MP17	ON	2021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	44° 0' 54.22"	77° 42' 33.08"	Concrete	453	Chain		20	2
C-20a	7448.000	MP19	MP19	ON	2021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	44° 0' 42.22"	77° 41' 53.08"	Concrete	340	Chain		20	2
C-20a	7449.000	MP20	MP20	ON	2021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	44° 0' 33.223"	77° 41' 40.083"	Concrete	680	Chain		20	2
C-20a	7450.000	MP21	MP21	ON	2021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	44° 0' 24.723"	77° 41' 11.082"	Concrete	340	Chain		20	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-20a	7451.000	MP23	MP23	ON	2021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	44° 0' 22.22"	77° 40' 51.08"	Concrete	680	Chain	6	20	2
C-20a	7452.000	MP24	MP24	ON	2021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 0' 12.22"	77° 40' 36.58"	Concrete	680	Chain		20	2
C-20a	7453.000	MP25	MP25	ON	2021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 0' 14.22"	77° 40' 36.08"	Concrete	453	Chain	6	20	2
C-20a	7454.000	MP27	MP27	ON	2021	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 0' 9.22"	77° 40' 21.08"	Concrete	453	Chain	6	20	2
C-20a	7455.000	MP28	MP28	ON	2021	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 0' 1.22"	77° 40' 21.08"	Concrete	680	Chain	6	20	2
C-20a	7456.000	MP30	MP30	ON	2021	Unlit	0.6m Spar Conical (Short)	510	Steel	Red	Seasonal (in place year round)	7.00	43° 59' 42.22"	77° 40' 16.08"	Concrete	1135	Chain	13	20	2
C-20b	497.500	MN	Peter Rock South Cardinal lighted spar buoy MN	ON	2058	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Yellow-black	Seasonal (in place year round)	15.00	43° 56' 5.3"	78° 13' 48.9"	Concrete	2270	Chain	27	28	2
C-20c	7430.000	MD2	MD2	ON	2058	Unlit	0.6m Spar Conical (Short)	510	Steel	Red	Seasonal (in place year round)	4.00	43° 53' 8.88"	78° 39' 46.5"	Concrete	680	Chain		28	2
C-20d	501.200	MV4	Oshawa Harbour lighted spar buoy MV4	ON	2050	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	9.00	43° 51' 44.1"	78° 49' 9"	Concrete	2270	Chain	13	28	2
C-20d	7461.000	MV2	MV2	ON	2058	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	7.00	43° 51' 23.88"	78° 47' 26.22"	Concrete	2270	Chain	13	28	2
C-20d	7462.000	MV3	MV3	ON	2050	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	9.00	43° 51' 41.8"	78° 49' 13.3"	Serrated	2948	Chain	13	28	2
C-20d	7463.000	MV5	MV5	ON	2050	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.00	43° 51' 47.6"	78° 49' 17.5"	Concrete	2227	Chain		28	2
C-20d	7464.000	MV6	MV6	ON	2050	Unlit	0.6m Spar Conical (Short)	510	Steel	Red	Seasonal (in place year round)	10.00	43° 51' 49.1"	78° 49' 14.7"	Concrete	2270	Chain		28	2
C-20d	7469.000	MV14	MV14	ON	2050	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	43° 52' 2.2"	78° 49' 39.7"	Concrete	680	Chain	0.8	20	2
C-20e	7474.000	MX3	MX3	ON	2049	Unlit	0.6m Spar Can (Short)	510	Steel	Green	Seasonal (in place year round)	6.00	43° 50' 56"	78° 55' 41"	Concrete	1135	Chain		20	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-20e	7475.000	MX4	MX4	ON	2049	Unlit	0.6m Spar Conical (Short)	510	Steel	Red	Seasonal (in place year round)	5.50	43° 50' 56.8"	78° 55' 37.8"	Concrete	680	Chain		20	2
C-20e	7476.000	MX5	MX5	ON	2049	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	43° 51' 9.3"	78° 55' 57"	Concrete	453	Chain		20	2
C-20e	7477.000	MX6	MX6	ON	2049	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	43° 51' 10.4"	78° 55' 56.6"	Concrete	453	Chain		20	2
C-20e	7478.000	MX7	MX7	ON	2049	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	43° 51' 11.5"	78° 56' 6.2"	Concrete	453	Chain	6	20	2
C-20e	7479.000	MX8	MX8	ON	2049	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	43° 51' 12.3"	78° 56' 5"	Concrete	453	Chain		20	2
C-20e	7480.000	MX9	MX9	ON	2049	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	43° 51' 16.8"	78° 56' 10.8"	Concrete	453	Chain		20	2
C-20e	7481.000	MX10	MX10	ON	2049	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	43° 51' 16.9"	78° 56' 9.7"	Concrete	453	Chain		20	2
C-20e	7482.000	MX11	MX11	ON	2049	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	43° 51' 18.7"	78° 56' 12.3"	Concrete	453	Chain		20	2
C-20e	7483.000	MX12	MX12	ON	2049	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	1.80	43° 51' 21.3"	78° 56' 12"	Concrete	453	Chain		20	2
C-20e	7484.000	MX13	MX13	ON	2049	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	43° 51' 21.5"	78° 56' 20.9"	Concrete	453	Chain		20	2
C-20f	508.000	T1	Toronto Harbour Outer Approach lighted spar buoy T1	ON	2085	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	10.00	43° 36' 38.51"	79° 21' .79"	Concrete	2270	Chain	18	28	2
C-20f	509.000	T2	Toronto Harbour Outer Approach lighted spar buoy T2	ON	2085	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	12.00	43° 36' 39.71"	79° 20' 46.79"	Concrete	2270	Chain	27	28	2
C-20f	509.400	T4	Main Harbour Channel lighted spar buoy T4	ON	2085	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	10.00	43° 37' 28.167"	79° 20' 44.459"	Concrete	1135	Chain	18	28	2
C-20f	509.500	T8	Toronto Harbour lighted spar buoy T8	ON	2085	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	12.00	43° 37' 54.21"	79° 20' 48.79"	Concrete	2270	Chain	18	28	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-20f	509.600	T7	Outer Harbour lighted spar buoy T7	ON	2085	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	10.00	43° 37' 51.51"	79° 20' 56.39"	Concrete	2268	Chain	18	28	2
C-20f	511.000	TE18	Gibraltar Point lighted spar buoy TE18	ON	2085	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	25.00	43° 36' 19.21"	79° 23' 30.29"	Serrated	2270	Chain	37	20	2
C-20g	7427.000	MC1	MC1	ON	2048	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	43° 32' 54.5"	79° 34' 51.5"	Concrete	453	Chain	6	20	2
C-20g	7428.000	MC3	MC3	ON	2048	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	43° 32' 57"	79° 34' 54.25"	Concrete	453	Chain	6	20	2
C-20g	7429.000	MC5	MC5	ON	2048	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	43° 32' 58.16"	79° 35' .23"	Concrete	453	Chain	6	20	2
C-20h	7426.000	MA1	MA1	ON	2070	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	43° 23' 34.66"	79° 42' 26.55"	Concrete	1135	Chain	6	20	2
C-20h	7457.000	MQ1	MQ1	ON	2070	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	43° 26' 17.98"	79° 39' 58.12"	Concrete	453	Chain	6	20	2
C-20J	7434.000	MJ1	MJ1	ON	2077	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	43° 12' 39.48"	79° 15' 12.18"	Concrete	1135	Chain		20	2

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Bay of Quinte
Contract Area no.:	C-21
Province(s):	Ontario
Contract Area Description:	The Contract Area includes the Bay of Quinte, Lake Ontario.
Coast Guard Depot:	Prescott, Ontario
Commissioning date:	no later than May 1st
Decommissioning date:	no earlier than November 15th
Total no. of buoys:	77
Max. buoy size(m) diameter :	0.6
Maximum anchor size (weight (kg)):	1136
Maximum buoy weight (kg) :	65
Maximum water depth (m) :	11
Operational Season:	May 18th to October 20th
Overview of work activities:	<p>All buoys are 'seasonal, in-place year round', 26 buoys have (removable) lanterns.</p> <p>At Commissioning, work includes position verification, addition of lanterns and, as required, tape & numbers.</p> <p>The work includes planned cyclical mooring inspections and replacement over a 5 year cycle, i.e. 20% of the buoy moorings are inspected and replaced each year. Decommissioning work includes removal of lanterns.</p> <p>Unscheduled work includes response to discrepancies during the operational season.</p>
Comment:	

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-21	441.000	Q1	Keith Shoal lighted spar buoy Q1	ON	2006	Night	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	44° 2' 42"	76° 59' 38.5"	Concrete	1135	Chain	13	20	2
C-21	443.000	Q3	Glenora lighted spar buoy Q3	ON	2006	Night	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	8.00	44° 2' 43.2"	77° 4' 3.5"	Concrete	1135	Chain	13	20	2
C-21	444.000	Q	Trumpour Point lighted spar buoy Q	ON	2006	Night	0.6m SB 60 Spar Can Pl		Plastic	Red-white	Seasonal (in place year round)	11.00	44° 4' 0"	77° 5' 30"	Concrete	1135	Chain	18	20	2
C-21	447.000	QP5	Picton Outer lighted spar buoy QP5	ON	2006	Night	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	44° 1' 8.7"	77° 7' 47"	Concrete	680	Chain	6	20	2
C-21	448.000	QP8	Picton Inner lighted spar buoy QP8	ON	2006	Night	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	44° 1' 1.008"	77° 7' 50.333"	Concrete	680	Chain	6	20	2
C-21	448.500	QP9	Picton lighted spar buoy QP9	ON	2006	Night	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	44° 0' 57.2"	77° 7' 50"	Concrete	680	Chain	9	20	2
C-21	448.600	QP13	Picton Harbour lighted spar buoy QP13	ON	2006	Night	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	44° 0' 47.3"	77° 8' 1.7"	Concrete	453	Chain	6	20	2
C-21	449.000	Q11	Catalaque Shoal lighted spar buoy Q11	ON	2006	Night	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	8.00	44° 9' 13.8"	77° 3' 31.2"	Concrete	1135	Chain	13	20	2
C-21	451.000	Q13	Foresters Island lighted spar buoy "Q13"	ON	2006	Night	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	44° 10' 41.5"	77° 3' 5.5"	Concrete	680	Chain	9	20	2
C-21	452.000	Q17	Foresters Island lighted spar buoy "Q17"	ON	2006	Night	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	44° 11' 5.016"	77° 3' 25.496"	Concrete	1135	Chain	13	20	2
C-21	457.000	Q22	East Entrance lighted spar buoy Q22	ON	2069	Night	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	44° 9' 58.216"	77° 6' 11.499"	Concrete	1135	Chain	7	20	2
C-21	462.000	Q40	West Entrance lighted spar buoy Q40	ON	2069	Night	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	44° 9' 48.216"	77° 7' 35.003"	Concrete	1135	Chain	7	20	2
C-21	462.500	Q42	Sucker Creek lighted spar buoy Q42	ON	2007	Night	0.6m SB 60 Spar Conical Pl		Plastic	Red	Seasonal (in place year round)	6.00	44° 9' 28.2"	77° 8' 31"	Concrete	1135	Chain	9	20	2
C-21	463.000	Q43	North Port Shoal lighted spar buoy Q43	ON	2007	Night	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	44° 8' 57.29"	77° 11' 39.505"	Concrete	680	Chain	9	20	2
C-21	464.000	Q46	Trident Point lighted spar buoy Q46	ON	2007	Night	0.6m SB 60 Spar Conical Pl		Plastic	Red	Seasonal (in place year round)	6.00	44° 8' 52.964"	77° 13' 36.026"	Concrete	1135	Chain	9	20	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-21	467.000	Q52	Minnie Blakely Shoal lighted spar buoy Q52	ON	2007	Night	0.6m SB 60 Spar Conical PI		Plastic	Red	Seasonal (in place year round)	6.00	44° 8' 58.96"	77° 17' 54.038"	Concrete	1135	Chain	13	20	2
C-21	468.000	Q53	Massasauga Point lighted spar buoy Q53	ON	2007	Night	0.6m SB 60 Spar Can PI		Plastic	Green	Seasonal (in place year round)	6.00	44° 8' 57.39"	77° 19' 13.04"	Concrete	1135	Chain	13	20	2
C-21	469.000	Q54	Belleville Harbour lighted spar buoy Q54	ON	2011	Night	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	44° 8' 57.919"	77° 22' 22.041"	Concrete	1135	Chain	9	20	2
C-21	471.000	Q57	Anderson Shoal lighted spar buoy Q57	ON	2069	Night	0.6m SB 60 Spar Can PI		Plastic	Green	Seasonal (in place year round)	6.00	44° 7' 44"	77° 25' 29.5"	Concrete	680	Chain	9	20	2
C-21	471.800	Q59	Narrows Shoal East lighted spar buoy Q59	ON	2069	Night	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	44° 6' 39.26"	77° 29' 28.04"	Concrete	1135	Chain	13	20	2
C-21	473.000	Q61	Narrows Shoal lighted spar buoy Q61	ON	2069	Night	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	44° 6' 24.86"	77° 30' 6.75"	Concrete	1135	Chain	9	20	2
C-21	474.000	QTB	Trenton East bifurcation lighted spar buoy QTB	ON	2069	Night	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green-red-green	Seasonal (in place year round)	5.00	44° 5' 53.719"	77° 30' 54.061"	Concrete	1135	Chain	7	20	2
C-21	475.000	QT16	Onderdonk Point lighted spar buoy QT16	ON	2069	Night	0.6m SB 60 Spar Conical PI		Plastic	Red	Seasonal (in place year round)	4.00	44° 4' 48.719"	77° 32' 29.065"	Concrete	1135	Chain	7	28	2
C-21	476.000	Q72	Trenton Approach lighted spar buoy Q72	ON	2069	Night	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	44° 5' 36.219"	77° 32' 49.565"	Concrete	680	Chain	7	20	2
C-21	477.000	Q74	Trenton lighted spar buoy Q74	ON	2069	Night	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 5' 40.719"	77° 33' 30.567"	Concrete	680	Chain	6	20	2
C-21	479.000	QT	Trent River Entrance North Cardinal lighted spar buoy QT	ON	2069	Night	0.3m Spar Can-Plastic (ORT)	65	Plastic	Black-yellow	Seasonal (in place year round)	3.00	44° 5' 43.22"	77° 34' 3.068"	Concrete	680	Chain	6	20	2
C-21	7209.000	Q4	Q4	ON	2006	Unlit	0.6m SB 60 Spar Conical PI		Plastic	Red	Seasonal (in place year round)	10.00	44° 3' 10.2"	77° 3' 46"	Concrete	680	Chain	13	20	2
C-21	7210.000	Q6	Q6	ON	2006	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	44° 3' 49.2"	77° 4' 32"	Serrated	363	Chain	13	20	2
C-21	7211.000	Q8	Q8	ON	2006	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	44° 6' 1.2"	77° 4' 10"	Concrete	2227	Chain	9.1	20	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-21	7212.000	Q10	Q10	ON	2006	Unlit	0.6m SB 60 Spar Conical PI		Plastic	Red	Seasonal (in place year round)	8.00	44° 8' 5.2"	77° 3' 43"	Concrete	560	Chain	12.2	20	2
C-21	7214.000	Q18	Q18	ON	2006	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	44° 10' 52.2"	77° 4' 15"	Concrete	1135	Chain	9	20	2
C-21	7215.500	Q21	Q21	ON	2069	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	44° 9' 56.716"	77° 6' 10.999"	Concrete	1135	Chain	7	20	2
C-21	7216.000	Q25	Q25	ON	2069	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 9' 54.216"	77° 6' 35.001"	Serrated	400	Chain	6	20	2
C-21	7217.000	Q26	Q26	ON	2069	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	44° 9' 56.216"	77° 6' 35.001"	Concrete	1135	Chain	6	20	2
C-21	7218.000	Q29	Q29	ON	2069	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 9' 52.45"	77° 6' 54"	Concrete	680	Chain	6	20	2
C-21	7219.000	Q30	Q30	ON	2069	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 9' 54.716"	77° 6' 54.001"	Concrete	1135	Chain	6	20	2
C-21	7220.000	Q31	Q31	ON	2069	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 9' 51.216"	77° 7' 10.002"	Concrete	680	Chain	6	20	2
C-21	7221.000	Q32	Q32	ON	2069	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 9' 53.216"	77° 7' 10.002"	Concrete	680	Chain	6	20	2
C-21	7222.000	Q34	Q34	ON	2069	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	44° 9' 51.716"	77° 7' 17.502"	Concrete	680	Chain	6	20	2
C-21	7223.000	Q35	Q35	ON	2069	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 9' 50.216"	77° 7' 18.002"	Concrete	680	Chain	6	20	2
C-21	7224.000	Q37	Q37	ON	2069	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 9' 49.216"	77° 7' 26.003"	Concrete	680	Chain	6	20	2
C-21	7224.500	Q39	Q39	ON	2069	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.50	44° 9' 46.25"	77° 7' 34"	Concrete	454	Chain	6	20	2
C-21	7227.000	Q51	Q51	ON	2007	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	44° 8' 37.625"	77° 17' 36.843"	Serrated	363	Chain	7	20	2
C-21	7229.000	Q56	Q56	ON	2007	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	44° 8' 56"	77° 22' 46"	Concrete	680	Chain	9	20	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-21	7229.500	Q56/2	Q56/2	ON	2011	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.50	44° 8' 55.5"	77° 22' 56"	Concrete	454	Chain	6	20	2
C-21	7230.000	Q56/4	Q56/4	ON	2007	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	44° 8' 45.301"	77° 23' 39.425"	Concrete	1135	Chain	9	28	2
C-21	7233.000	Q63	Q63	ON	2069	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	44° 6' 16.21"	77° 30' 23.29"	Concrete	453	Chain	6	20	2
C-21	7237.000	Q67	Q67	ON	2069	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	44° 5' 43.22"	77° 31' 50.08"	Concrete	453	Chain	6	20	2
C-21	7238.000	Q68	Q68	ON	2069	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	44° 5' 46.219"	77° 31' 51.563"	Concrete	453	Chain	6	20	2
C-21	7241.000	Q71	Q71	ON	2069	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 5' 37.02"	77° 33' 14.08"	Concrete	453	Chain	6	20	2
C-21	7242.000	Q73	Q73	ON	2069	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 5' 38.719"	77° 33' 31.067"	Concrete	340	Chain	6	20	2
C-21	7243.000	Q76	Q76	ON	2069	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 5' 45.72"	77° 33' 53.068"	Concrete	453	Chain	6	20	2
C-21	7244.000	Q77	Q77	ON	2069	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	44° 5' 52.22"	77° 34' 7.568"	Concrete	453	Chain	6	20	2
C-21	7245.000	Q78	Q78	ON	2069	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	44° 5' 53.22"	77° 34' 4.068"	Concrete	453	Chain	6	20	2
C-21	7251.000	QM3	QM3	ON	2011	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 9' 8.5"	77° 22' 39.5"	Concrete	340	Chain	4	20	2
C-21	7252.000	QM4	QM4	ON	2011	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	44° 9' 11.2"	77° 22' 30.8"	Serrated	400	Chain	6	20	2
C-21	7253.000	QM5	QM5	ON	2011	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	44° 9' 11"	77° 22' 31.8"	Serrated	400	Chain	4	20	2
C-21	7255.000	QM7	QM7	ON	2011	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 9' 18"	77° 22' 48"	Concrete	340	Chain	4	20	2
C-21	7256.000	QM8	QM8	ON	2011	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	44° 9' 20.2"	77° 22' 56.4"	Concrete	453	Chain	6	20	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-21	7257.000	QM9	QM9	ON	2011	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	44° 9' 19"	77° 22' 56.4"	Concrete	225	Chain	6	20	2
C-21	7259.000	QM12	QM12	ON	2011	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 9' 28.7"	77° 23' 5.1"	Concrete	340	Chain	4	20	2
C-21	7262.000	QP6	QP6	ON	2006	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	44° 1' 8.2"	77° 7' 51.6"	Serrated	363	Chain	9	20	2
C-21	7263.000	QP11	QP11	ON	2006	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	44° 0' 52"	77° 7' 54.7"	Concrete	453	Chain	6	20	2
C-21	7264.000	QQB	QQB	ON	2069	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red-green-red	Seasonal (in place year round)	4.00	44° 3' 49.22"	77° 34' 26.07"	Serrated	363	Chain	4	20	2
C-21	7265.000	QT1	QT1	ON	2069	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 5' 38.72"	77° 34' 7.568"	Concrete	340	Chain	4	20	2
C-21	7266.000	QT2	QT2	ON	2069	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 5' 38.22"	77° 34' 5.068"	Concrete	453	Chain	4	20	2
C-21	7267.000	QT3	QT3	ON	2069	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	44° 5' 26.75"	77° 34' 13.52"	Serrated	363	Chain	4	20	2
C-21	7268.000	QT4	QT4	ON	2069	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	44° 5' 26.75"	77° 34' 10.02"	Concrete	340	Chain	4	20	2
C-21	7271.000	QT8	QT8	ON	2069	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 5' 7.22"	77° 34' 16.569"	Concrete	453	Chain	4	20	2
C-21	7271.500	QT9	QT9	ON	2069	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.40	44° 4' 54.719"	77° 34' 17.05"	Concrete	454	Chain	4.5	20	2
C-21	7272.000	QT10	QT10	ON	2069	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	44° 4' 54.72"	77° 34' 12.5"	Concrete	453	Chain	6	20	2
C-21	7274.000	QT14	QT14	ON	2069	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	44° 5' 20.219"	77° 31' 41.063"	Concrete	453	Chain	6	20	2
C-21	7275.000	QT18	QT18	ON	2069	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	44° 4' 21.219"	77° 33' 23.067"	Concrete	453	Chain	6	20	2
C-21	7304.000	QY1	QY1	ON	2069	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	44° 6' 15.219"	77° 31' 19.061"	Concrete	453	Chain	4	20	2

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-21	7305.000	QY2	QY2	ON	2069	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 6' 17.219"	77° 31' 18.561"	Concrete	453	Chain	4	20	2
C-21	7307.000	QY4	QY4	ON	2069	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 6' 18.22"	77° 31' 25.08"	Concrete	453	Chain	4	20	2
C-21	7451.500	Q15	Q15	ON	2006	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.60	44° 10' 57"	77° 3' 9"		450	Chain	9.1	20	2

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Lake St. Lawrence, St. Lawrence River and eastern Lake Ontario
Contract Area no.:	C-22
Province(s):	Ontario
Contract Area Description:	The Contract Area includes the Canadian waters of Lake St. Lawrence, St. Lawrence River and eastern Lake Ontario to Bay of Quinte.
Coast Guard Depot:	Prescott, Ontario
Commissioning date:	March 22nd
Decommissioning date:	December 31st
Total no. of buoys:	204
Max. buoy size(m) diameter :	1.4
Maximum anchor size (weight (kg)):	2955
Maximum buoy weight (kg) :	1811
Maximum water depth (m) :	24
Operational Season:	April 5th to December 15th
Overview of work activities:	<p>20 buoys are seasonal; the remainder are 'seasonal, in place year round'.</p> <p>For year round buoys, commissioning work includes: position verification, replace tape and numbers as required; 31 year round buoys require lanterns to be attached at Commissioning. Decommissioning work on year round buoys includes removal of the 31 lanterns.</p> <p>For seasonal buoys, commissioning work includes replacing winter spar with summer buoy and verifying position; decommissioning work includes replacing of summer buoy with winter spar.</p> <p>The work also includes planned cyclical mooring inspections and replacement over a 5 year cycle, i.e. 20% of the buoy moorings are inspected and replaced each year. This applies to 'year round' buoys only.</p> <p>Unscheduled work includes response to discrepancies during the operational season.</p>
Comment:	<p><i>Season start and end dates may vary as a result of ice conditions.</i></p> <p>Season start and end dates are related to St. Lawrence Seaway Opening and Closing schedules.</p>

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-22	426.500	K11	William Shoal Lighted Spar K11	ON	2064	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	10.00	43° 55' 29.2"	76° 47' 46"	Serrated	6227	Chain	18.3	28	2
C-22	427.300	K12	False Ducks Bank Lighted Spar K12	ON	2064	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	15.00	43° 56' .2"	76° 48' 38"	Concrete	2270	Chain	27.4	28	2
C-22	428.000	K14	Traverse Shoal Lighted Spar K14	ON	2064	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	14.00	43° 54' 14.2"	76° 50' 47"	Concrete	2270	Chain	27.4	28	2
C-22	7410.000	KL2	KL2	ON	Z2064	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	9.00	43° 55' 48"	76° 50' 42"	Concrete	1135	Chain	13	20	2
C-22	7411.000	KL3	KL3	ON	Z2064	Unlit	0.6m Spar Can (Short)	510	Steel	Green	Seasonal (in place year round)	7.00	43° 56' 15"	76° 51' 12"	Concrete	1135	Chain	9	20	2
C-22	7412.000	KL4	KL4	ON	Z2064	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	43° 56' 19"	76° 51' 33"	Concrete	680	Chain	4	20	2
C-22	7418.000	KP2	KP2	ON	2064	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	20.00	44° 0' 30.205"	76° 55' 4.984"	Concrete	1135	Chain	21.3	20	2
C-22	7420.000	KT2	KT2	ON	2064	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	43° 56' 57"	76° 50' 51"	Concrete	1135	Chain	6	20	2
C-22	398.000	KA1	Ferguson Point light buoy KA1	ON	2017	Night	0.6m SB 60 Spar Can Pl		Plastic	Green	Seasonal	5.00	44° 12' 24"	76° 27' 11"	Concrete	1135	Chain	9	20	2
C-22	399.000	KA5	Wolfe Island light buoy KA5	ON	2017	Night	2ft 11in Tideland/NPL (WB-390)	18	Plastic	Green	Seasonal	4.00	44° 11' 55"	76° 26' 31"	Concrete	1135	Chain	9	20	2
C-22	405.600	KH2	Point Frederick Shoal Lighted Spar KH2	ON	2017	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	7.00	44° 13' 25"	76° 28' 17.5"	Concrete	2270	Chain	18.3	28	2
C-22	407.000	K1	Myles Shoal Lighted Spar K1	ON	2017	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	20.00	44° 12' 50"	76° 29' 12.8"	Concrete	2270	Chain	27.4	20	2
C-22	409.000	K3	Penitentiary Shoal Lighted Spar K3	ON	2017	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	21.00	44° 12' 39.5"	76° 30' 39.5"	Concrete	2270	Chain	33.5	28	2
C-22	415.000	K5	Snake Island Lighted Spar K5	ON	2017	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	14.00	44° 11' 58"	76° 32' 51"	Concrete	2270	Chain	27.4	28	2
C-22	416.000	K8	Salmon Island South Shoal Lighted Spar K8	ON	2017	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	15.00	44° 11' 20"	76° 35' 1"	Concrete	2270	Chain	27.4	28	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-22	417.000	K9	Melville Shoal Southwest Lighted Spar K9	ON	2018	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	17.00	44° 10' 11.2"	76° 35' 51.8"	Serrated	2948	Chain	27.4	28	2
C-22	418.000	KN3	Salmon Island Lighted Spar KN3	ON	2017	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	18.00	44° 12' 2.3"	76° 35' 25.2"	Concrete	2270	Chain	27.4	28	2
C-22	420.000	K10	Emeric Point Lighted Spar K10	ON	2018	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	10.00	44° 6' 2.5"	76° 38' 53.5"	Serrated	6227	Chain	18.3	28	2
C-22	422.000	M6	South Charity Shoal Lighted Spar M6	ON	2064	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	12.00	44° 1' 15.2"	76° 30' 48.9"	Concrete	2270	Chain	27.4	28	2
C-22	422.500	M7	South Charity Shoal Lighted Spar M7	ON	2064	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	11.00	43° 59' .2"	76° 32' 28.9"	Concrete	2270	Chain	27.4	28	2
C-22	423.000	MM2	The Ducks Lighted Spar MM2	ON	2064	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	11.00	43° 54' 33.2"	76° 35' 41"	Concrete	2270	Chain	27.4	28	2
C-22	425.000	M9	Main Duck Island Lighted Spar M9	ON	2064	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	12.00	43° 55' 1.2"	76° 40' 31"	Concrete	2270	Chain	27.4	28	2
C-22	426.000	M10	Psyche Shoal Lighted Spar M10	ON	2064	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	14.00	43° 55' 18.2"	76° 43' 6"	Serrated	3632	Chain	27.4	28	2
C-22	434.500	KN8	Bath Point Lighted Spar KN8	ON	2018	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	11.00	44° 10' 39.2"	76° 46' 5.8"	Concrete	2270	Chain	13.7	20	2
C-22	435.000	KM2	Upper Gap South Entrance Lighted Spar KM2	ON	2018	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	13.00	44° 4' 12"	76° 47' 24"	Concrete	2270	Chain	18.3	28	2
C-22	436.000	KM4	Bluff Point Lighted Spar KM4	ON	2018	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	24.00	44° 6' 40"	76° 48' 22"	Concrete	2270	Chain	33.5	20	2
C-22	437.000	KM5	Upper Gap Lighted Spar KM5	ON	2018	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	11.00	44° 7' 12"	76° 48' 56"	Serrated	6227	Chain	18.3	28	2
C-22	7385.000	K7	K7	ON	2017	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	12.00	44° 11' 18"	76° 34' 3"	Serrated	2041	Chain	18	20	2
C-22	7386.000	KA2	KA2	ON	2017	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	44° 12' 4"	76° 26' 56"	Concrete	680	Chain	6	20	2
C-22	7387.000	KA3	KA3	ON	2017	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	44° 12' 9.5"	76° 26' 50.5"	Concrete	680	Chain	6	20	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-22	7389.000	KA7	KA7	ON	2017	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 11' 49"	76° 26' 28"	Concrete	680	Chain	6	20	2
C-22	7390.000	KE1	KE1	ON	2017	Unlit	0.6m Spar Can (Short)	510	Steel	Green	Seasonal (in place year round)	3.00	44° 11' 14"	76° 29' 19"	Concrete	1135	Chain	4	28	2
C-22	7391.000	KE2	KE2	ON	2017	Unlit	0.6m Spar Conical (Short)	510	Steel	Red	Seasonal (in place year round)	3.00	44° 11' 5"	76° 29' 28"	Concrete	1135	Chain	4	28	2
C-22	7414.000	KM6	KM6	ON	2018	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	11.00	44° 7' 41.5"	76° 49' 1.1"	Concrete	2270	Chain	18	28	2
C-22	7415.000	KN2	KN2	ON	2018	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	13.00	44° 12' 20"	76° 34' 48"	Concrete	1135	Chain	27.5	20	2
C-22	7416.000	KN5	KN5	ON	2018	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	12.00	44° 12' 10.8"	76° 36' 17.82"	Concrete	1135	Chain	18	20	2
C-22	7417.000	KN7	KN7	ON	2018	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	16.00	44° 10' 19.945"	76° 44' 8.9693"	Concrete	2270	Chain	18	28	2
C-22	7419.000	KS2	KS2	ON	2017	Unlit	0.6m Spar Conical (Short)	510	Steel	Red	Seasonal (in place year round)	7.00	44° 11' 4"	76° 32' 5.5"	Concrete	950	Chain	9	20	2
C-22	7422.000	KV	KV	ON	2018	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Black-yellow-black	Seasonal (in place year round)	5.00	44° 13' 25"	76° 37' 37"	Concrete	453	Chain	9	20	2
C-22	7423.000	KX2	KX2	ON	2018	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	44° 11' 31.8"	76° 44' 21.3"	Concrete	453	Chain	6	20	2
C-22	7431.000	MH	MH	ON	2064	Unlit	0.6m Spar Can (Long)	510	Steel	Black-yellow	Seasonal (in place year round)	10.00	44° 2' 34.2"	76° 30' 3.6"	Concrete	2270	Chain		28	2
C-22	7432.000	MH2	MH2	ON	1439	Unlit	0.6m SB 60 Spar Conical PI		Plastic	Red	Seasonal (in place year round)	6.00	44° 5' 15"	76° 26' 51"	Concrete	680	Chain		20	2
C-22	7433.000	MH4	MH4	ON	1439	Unlit	0.6m Spar Conical (Short)	510	Steel	Red	Seasonal (in place year round)	10.00	44° 5' 44"	76° 30' 39"	Concrete	1135	Chain	13	20	2
C-22	7459.000	MS1	MS1	ON	2064	Unlit	0.6m Spar Can (Short)	510	Steel	Green	Seasonal (in place year round)	5.00	43° 55' 34.32"	76° 36' 42.48"	Concrete	453	Chain	9	20	2
C-22	7460.000	MS2	MS2	ON	2064	Unlit	0.6m Spar Conical (Short)	510	Steel	Red	Seasonal (in place year round)	5.00	43° 55' 34.86"	76° 36' 43.08"	Concrete	680	Chain	9	20	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-22	214.600	XS7	Lighted spar buoy XS7	ON	1433	Night	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	45° 1' 26.176"	74° 52' 16.73"	Concrete	680	Chain	9	20	2
C-22	214.610	XS8	Lighted spar buoy XS8	ON	1433	Night	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 1' 28.676"	74° 53' 10.727"	Concrete	680	Chain	6	20	2
C-22	234.000	XA	Weaver Shoal Anchorage Area East Lighted Spar XA	ON	1434	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Yellow	Seasonal (in place year round)	22.00	44° 56' 52.199"	75° 1' 53.105"	Concrete	2270	Chain	27	20	2
C-22	235.000	XC	Weaver Shoal Anchorage Area West Lighted Spar XC	ON	1434	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Yellow	Seasonal (in place year round)	13.00	44° 56' 27.758"	75° 3' 21.632"	Serrated	2948	Chain	18	28	2
C-22	240.000	72	Lighted Spar 72	ON	1434	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	13.00	44° 55' 46.912"	75° 5' 26.177"	Serrated	2948	Chain	18	28	2
C-22	242.000	74	Lighted Spar 74	ON	1434	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	21.00	44° 55' 23.4"	75° 6' 34"	Concrete	2270	Chain	27	28	2
C-22	245.000	78	Lighted Spar 78	ON	1434	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	18.00	44° 55' 7.707"	75° 7' 56.612"	Serrated	2041	Chain	27	28	2
C-22	247.000	80	Light buoy 80	ON	1434	Night	1.4m Buoy	1811	Steel	Red	Seasonal	13.00	44° 54' 34.2"	75° 8' 35.8"	Concrete	2270	Chain		28	2
C-22	250.000	84	Lighted Spar 84	ON	1434	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	11.00	44° 53' 48"	75° 9' 43"	Concrete	2270	Chain	18	28	2
C-22	255.000	86	Lighted Spar 86	ON	1434	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	12.00	44° 53' 11.874"	75° 11' 1.629"	Concrete	2270	Chain	18	28	2
C-22	256.000	88	Lighted Spar 88	ON	1434	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	10.00	44° 53' 5.19"	75° 11' 21.87"	Concrete	2270	Chain	18	28	2
C-22	260.000	94	Light Buoy 94	ON	1434	Night	1.4m Buoy	1811	Steel	Red	Seasonal	15.00	44° 52' 43.362"	75° 13' 11.648"	Concrete	2270	Chain	18	28	2
C-22	262.000	95	Light Buoy 95	ON	1434	Night	1.4m Buoy	1811	Steel	Green	Seasonal	13.00	44° 52' 31.1"	75° 13' 21.6"	Concrete	2268	Chain	18	28	2
C-22	264.000	96A	Lighted Spar 96A	ON	1434	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	12.00	44° 52' 20.2"	75° 13' 57.5"	Concrete	2270	Chain	18	28	2
C-22	266.000	98	Lighted Spar 98	ON	1434	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	10.00	44° 52' 10.965"	75° 14' 23.243"	Serrated	2948	Chain	18	28	2
C-22	267.000	100	Light Buoy 100	ON	1434	Night	1.4m Buoy	1811	Steel	Red	Seasonal	13.00	44° 51' 38.512"	75° 15' 14.514"	Serrated	2948	Chain	18	28	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-22	270.000	104	Lighted Spar 104	ON	1434	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	13.00	44° 51' 17.4"	75° 16' 23.517"	Concrete	2270	Chain	18	28	2
C-22	275.000	108	Lighted Spar 108	ON	1434	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	11.00	44° 50' 32.76"	75° 18' 16.21"	Concrete	2270	Chain	18	28	2
C-22	280.000	108A	Lighted Spar 108A	ON	1434	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	11.00	44° 50' 22.245"	75° 18' 29.925"	Concrete	2270	Chain	13	28	2
C-22	281.000	109	Lighted Spar 109	ON	1434	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	11.00	44° 50' 13.128"	75° 18' 27.251"	Concrete	2270	Chain	13	28	2
C-22	7360.000	XC1	XC1	ON	1434	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	13.00	44° 55' 50.222"	75° 5' 36.952"	Concrete	2270	Chain	18	28	2
C-22	7361.000	XC2	XC2	ON	1434	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	13.00	44° 55' 50.109"	75° 5' 35.123"	Concrete	2270	Chain	18	28	2
C-22	7362.000	XC3	XC3	ON	1435	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	9.00	44° 55' 57.5"	75° 5' 39.2"	Concrete	680	Chain	9	20	2
C-22	7363.000	XC4	XC4	ON	1435	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	8.00	44° 55' 57.5"	75° 5' 37"	Concrete	680	Chain	9	20	2
C-22	7364.000	XC5	XC5	ON	1435	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 56' 3.2"	75° 5' 40.2"	Concrete	680	Chain	4	20	2
C-22	7365.000	XC6	XC6	ON	1435	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	44° 56' 3.12"	75° 5' 38.7"	Concrete	680	Chain	6	20	2
C-22	7370.500	XJ	Canada Island Anchorage Area North spar buoy XJ	ON	1434	Unlit	0.6m SB 60 Spar Can Pl		Plastic	Yellow	Seasonal (in place year round)	14.00	44° 53' 34.474"	75° 10' 29.813"	Concrete	2270	Chain	18	20	2
C-22	7372.000	XS1	XS1	ON	1433	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	5.00	45° 0' 17.177"	74° 52' 44.726"	Concrete	680	Chain	9	20	2
C-22	7373.000	XS2	XS2	ON	1433	Unlit	0.6m Spar Conical (Short)	510	Steel	Red	Seasonal (in place year round)	5.00	45° 0' 15.671"	74° 52' 9.726"	Concrete	1135	Chain	9	28	2
C-22	7374.000	XS5	XS5	ON	1433	Unlit	0.6m Spar Can (Short)	510	Steel	Green	Seasonal (in place year round)	7.00	45° 1' 6.173"	74° 52' 4.727"	Concrete	680	Chain	9	20	2
C-22	7375.000	XS9	XS9	ON	1433	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 1' 27.18"	74° 53' 14.728"	Concrete	453	Chain	6	20	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-22	7376.000	XS10	XS10	ON	1433	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 1' 4.174"	74° 54' 1.731"	DOR-MOR	23	Chain	6	20	2
C-22	7377.000	XS11	XS11	ON	1433	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 1' 4.166"	74° 54' .235"	DOR-MOR	23	Chain	6	20	2
C-22	7378.000	XS12	XS12	ON	1433	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 0' 46.168"	74° 54' 30.736"	DOR-MOR	23	Chain	6	20	2
C-22	7379.000	XS13	XS13	ON	1433	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 0' 46.176"	74° 54' 28.729"	DOR-MOR	23	Chain	6	20	2
C-22	7380.000	XS15	XS15	ON	1433	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 0' 36.675"	74° 54' 28.729"	Concrete	340	Chain	6	20	2
C-22	7381.000	XS16	XS16	ON	1433	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 0' 30.175"	74° 54' 29.727"	DOR-MOR	23	Chain	6	20	2
C-22	7382.000	XS17	XS17	ON	1433	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 0' 30.175"	74° 54' 28.231"	Concrete	453	Chain	6	20	2
C-22	7383.000	XS18	XS18	ON	1433	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 0' 20.673"	74° 54' 27.732"	Concrete	453	Chain	6	20	2
C-22	7384.000	XS19	XS19	ON	1433	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	45° 0' 3.173"	74° 55' 12.729"	Concrete	453	Chain	13	20	2
C-22	283.100	111	Lighted Spar 111	ON	1434	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	12.00	44° 49' 15.156"	75° 19' 6.069"	Serrated	2948	Chain	13	20	2
C-22	283.500	112	Lighted Spar 112	ON	1434	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	10.00	44° 49' 2.909"	75° 19' 29.911"	Concrete	2270	Chain	18	28	2
C-22	284.000	113	Light buoy 113	ON	1434	Night	1.4m Stand-up Buoy		Steel	Green	Seasonal	17.00	44° 48' 57.132"	75° 19' 18.534"	Serrated	2948	Chain	27	28	2
C-22	307.000	131	Light Buoy 131	ON	1435	Night	1.4m Buoy	1811	Steel	Green	Seasonal	13.00	44° 44' 17.7"	75° 27' 1.8"	Serrated	2948	Chain	18	28	2
C-22	308.000	130A	Light Buoy 130A	ON	1435	Night	1.4m Buoy	1811	Steel	Red	Seasonal	10.00	44° 44' 24.7"	75° 27' 2.8"	Concrete	2270	Chain	18	28	2
C-22	309.000	131A	Lighted Spar 131A	ON	1435	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	12.20	44° 43' 41.7"	75° 27' 56.8"	Serrated	2948	Chain	18.3	28	2
C-22	311.000	132	Lighted spar 132	ON	1435	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	13.00	44° 43' 5.7"	75° 29' 4.8"	Concrete	2270	Chain	18	28	2
C-22	319.000	136	North McNair Shoal light buoy 136	ON	1435	Night	1.4m Stand-up Buoy		Steel	Red	Seasonal	11.00	44° 35' 46.7"	75° 39' 57.8"	Serrated	2948	Chain	18	28	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-22	320.200	137A	South McNair Shoal light buoy 137A	ON	1435	Night	1.4m Buoy	1811	Steel	Green	Seasonal	27.00	44° 35' 38.7"	75° 39' 58.8"	Serrated	2948	Chain	36	28	2
C-22	323.000	139	Refugee Island Shoal light buoy 139	ON	1435	Night	1.4m Stand-up Buoy		Steel	Green	Seasonal	35.00	44° 34' 26.2"	75° 41' 32.3"	Concrete	2270	Chain	36	28	2
C-22	326.400	P52	Lighted spar buoy P52	ON	1435	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	10.00	44° 33' 57.8"	75° 42' 30.5"	Concrete	2270	Chain		20	2
C-22	326.600	P54	Lighted spar buoy P54	ON	1435	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	16.00	44° 33' 50.8"	75° 42' 41.1"	Serrated	2041	Chain		20	2
C-22	327.000	143A	Light buoy 143A	ON	1435	Night	1.4m Stand-up Buoy		Steel	Green	Seasonal	11.00	44° 33' 44.2"	75° 42' 41.8"	Concrete	2270	Chain	18	28	2
C-22	331.000	146A	Light buoy 146A	ON	1435	Night	1.4m Stand-up Buoy		Steel	Red	Seasonal	13.00	44° 32' 58.7"	75° 43' 47.8"	Concrete	2270	Chain	27	28	2
C-22	332.000	145A	De Rottenburg Island light buoy 145A	ON	1435	Night	1.4m Stand-up Buoy		Steel	Green	Seasonal	50.00	44° 32' 56.2"	75° 43' 39.8"	Concrete	2270	Chain	54	20	2
C-22	336.000	147A	Light buoy 147A	ON	1435	Night	1.4m Stand-up Buoy		Steel	Green	Seasonal	10.00	44° 32' 12.2"	75° 44' 33"	Serrated	2948	Chain	18	28	2
C-22	338.300	150A	Cole Shoal light buoy 150A	ON	1435	Night	1.4m Stand-up Buoy		Steel	Red	Seasonal	13.00	44° 31' 42.2"	75° 45' 16.8"	Serrated	2948	Chain	27	28	2
C-22	340.000	152	Light buoy 152	ON	1435	Night	1.4m Stand-up Buoy		Steel	Red	Seasonal	10.00	44° 31' 7.2"	75° 45' 58.5"	Concrete	2270	Chain	27	28	2
C-22	352.000	172	Lighted Spar 172	ON	1436	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	25.00	44° 26' 6.1"	75° 49' 36.4"	Concrete	2270	Chain	36	28	2
C-22	353.000	173	Haskell Shoal lighted spar 173	ON	1436	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	13.00	44° 26' 11"	75° 49' 22"	Serrated	2948	Chain	27	28	2
C-22	353.800	U4	Whitney Point lighted spar buoy U4	ON	1436	Night	0.6m SB 60 Spar Conical PI		Plastic	Red	Seasonal (in place year round)	15.00	44° 29' 14.6"	75° 48' 10.5"	Concrete	1135	Chain	18	20	2
C-22	356.000	U11	Channel Island lighted spar buoy U11	ON	1436	Night	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	9.00	44° 26' 22.1"	75° 51' 42.9"	Concrete	1135	Chain	13	20	2
C-22	357.000	U13	Pooles Resort lighted spar buoy U13	ON	1436	Night	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	44° 25' 24.4"	75° 52' 48.3"	Concrete	680	Chain	13	20	2
C-22	360.000	U20	Duck Island Shoal lighted spar buoy U20	ON	1436	Night	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	44° 23' 47.7"	75° 53' 53.03"	Concrete	680	Chain	13	20	2
C-22	364.000	H20	Steeple Shoal lighted spar buoy H20	ON	1437	Night	0.6m SB 60 Spar Conical PI		Plastic	Red	Seasonal (in place year round)	19.00	44° 20' 25.68"	76° 1' 43.26"	Concrete	1135	Chain	27	20	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-22	364.400	H22	Rowley Island lighted spar buoy H22	ON	1437	Night	0.6m SB 60 Spar Conical PI		Plastic	Red	Seasonal (in place year round)	24.00	44° 19' 56.28"	76° 3' 2"	Concrete	1135	Chain	27	20	2
C-22	364.600	H23	Abercrombie Island West lighted spar buoy H23	ON	1437	Night	0.6m Spar Can (Short)	510	Steel	Green	Seasonal (in place year round)	8.00	44° 19' 24"	76° 3' 58"	Concrete	1135	Chain	13	20	2
C-22	365.400	H26	Bloodletter Island lighted spar buoy H26	ON	1437	Night	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	8.00	44° 18' 20"	76° 6' 24"	Concrete	1135	Chain	13	20	2
C-22	365.500	H30	Camelot Island lighted spar buoy H30	ON	1438	Night	0.6m SB 60 Spar Conical PI		Plastic	Red	Seasonal (in place year round)	10.00	44° 18' 2.7"	76° 7' 8.34"	Concrete	1135	Chain	18.3	20	2
C-22	365.800	J5	Jackstraw Shoal lighted spar buoy J5	ON	1438	Night	0.6m Spar Can (Short)	510	Steel	Green	Seasonal (in place year round)	6.00	44° 19' 28.6"	76° 7' 2.3"	Concrete	1135	Chain	13.7	20	2
C-22	366.200	J5/3	Gananoque Approach lighted spar buoy J5/3	ON	1438	Night	0.6m SB 60 Spar Can PI		Plastic	Green	Seasonal (in place year round)	10.00	44° 19' 23"	76° 8' 42"	Concrete	1135	Chain	13	20	2
C-22	367.300	J8	Lighted spar buoy J8	ON	1438	Night	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	44° 19' 9"	76° 9' 54"	Concrete	1135	Chain	13.7	20	2
C-22	367.600	J11	Spectacles Rocks lighted spar buoy J11	ON	1438	Night	0.6m SB 60 Spar Can PI		Plastic	Green	Seasonal (in place year round)	10.00	44° 18' 50"	76° 10' 49"	Concrete	1135	Chain	13	20	2
C-22	368.500	J15	Beaurivage Island lighted spar buoy J15	ON	1438	Night	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	8.00	44° 18' 19"	76° 11' 21"	Concrete	1135	Chain	15	20	2
C-22	369.500	JVB	Anchor Shoal lighted spar buoy JVB	ON	1438	Night	2ft 11in Tideland/NPL (WB-390)	18	Plastic	Red-green-red	Seasonal (in place year round)	4.00	44° 18' 6.5"	76° 11' 35"	Concrete	1135	Chain	10	20	2
C-22	371.000	JE17	Juniper Island lighted spar buoy JE17	ON	1438	Night	0.6m SB 60 Spar Can PI		Plastic	Green	Seasonal (in place year round)	12.00	44° 17' 17"	76° 10' 20"	Concrete	1135	Chain	18	20	2
C-22	371.400	H32	Seven Pines Island lighted spar buoy H32	ON	1438	Night	0.6m SB 60 Spar Conical PI		Plastic	Red	Seasonal (in place year round)	12.00	44° 17' 4"	76° 9' 31"	Concrete	1135	Chain	13.7	20	2
C-22	371.600	H34	Black Ant Island lighted spar buoy H34	ON	1438	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	10.00	44° 16' 25.14"	76° 11' 55.56"	Concrete	2270	Chain	27.4	28	2
C-22	372.000	PV1	Wolfe Island Cut lighted spar buoy PV1	ON	1438	Night	0.6m SB 60 Spar Can PI		Plastic	Green	Seasonal (in place year round)	8.00	44° 13' 57.2"	76° 10' 36.3"	Serrated	2041	Chain	13	28	2
C-22	373.000	PV2	Wolfe Island Cut lighted spar buoy PV2	ON	1438	Night	0.6m SB 60 Spar Conical PI		Plastic	Red	Seasonal (in place year round)	6.00	44° 13' 58.6"	76° 10' 29"	Concrete	2270	Chain	13	28	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-22	377.000	PV6	Wolfe Island Cut North lighted spar buoy PV6	ON	1438	Night	0.6m SB 60 Spar Conical PI		Plastic	Red	Seasonal (in place year round)	9.00	44° 14' 30.1"	76° 10' 59.8"	Concrete	2270	Chain	15	28	2
C-22	394.000	H39	Cold Bath Shoal lighted spar buoy H39	ON	1438	Night	0.6m SB 60 Spar Can PI		Plastic	Green	Seasonal (in place year round)	13.00	44° 14' 37.628"	76° 20' 16.54"	Serrated	2041	Chain	16	28	2
C-22	394.200	J17	Bateau Channel lighted spar buoy J17	ON	1438	Night	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	44° 18' 36"	76° 12' 50"	Concrete	1135	Chain	9	20	2
C-22	394.310	J20	Lighted spar buoy J20	ON	1438	Night	0.6m SB 60 Spar Conical PI		Plastic	Red	Seasonal (in place year round)	15.00	44° 18' 13.5"	76° 14' 54"	Concrete	2227	Chain	18.3	20	2
C-22	394.800	HJ	Spit Head West Cardinal lighted spar buoy HJ	ON	1439	Night	0.6m SB 60 Spar Can PI		Plastic	Yellow-black-yellow	Seasonal (in place year round)	7.00	44° 14' 36"	76° 22' 23.1"	Concrete	2270	Chain	15	28	2
C-22	395.000	H42	The Spectacles lighted spar buoy H42	ON	1439	Night	0.6m SB 60 Spar Conical PI		Plastic	Red	Seasonal (in place year round)	10.00	44° 14' 27.1"	76° 23' 5.9"	Concrete	2270	Chain	18	28	2
C-22	397.000	H43	Bayfield Shoal lighted spar buoy H43	ON	1439	Night	0.6m SB 60 Spar Can PI		Plastic	Green	Seasonal (in place year round)	22.00	44° 13' 47.3"	76° 25' 13.8"	Concrete	2268	Chain	27	28	2
C-22	7487.000	H11	H11	ON	1436	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	44° 22' 30.5"	75° 55' 13.1"	Concrete	680	Chain	2.8	20	2
C-22	7488.000	H14	H14	ON	1437	Unlit	0.6m Spar Conical (Short)	510	Steel	Red	Seasonal (in place year round)	9.00	44° 21' 42.1"	75° 59' 30"	Concrete	680	Chain		28	2
C-22	7489.000	H15	H15	ON	1437	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	12.00	44° 21' 30"	75° 59' 34.998"	Concrete	1135	Chain		28	2
C-22	7490.000	H16	H16	ON	1437	Unlit	0.6m Spar Conical (Short)	510	Steel	Red	Seasonal (in place year round)	7.00	44° 21' 34.1"	75° 59' 31.1"	Concrete	1135	Chain		28	2
C-22	7491.000	H17	H17	ON	1437	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	11.00	44° 20' 59.1"	76° 0' 19"	Concrete	680	Chain	15	20	2
C-22	7491.500	H18	H18	ON	1437	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	44° 20' 53"	76° 0' 37"	Concrete	450	Chain	6.1	20	2
C-22	7492.000	H18/2	H18/2	ON	1437	Unlit	0.6m Spar Conical (Short)	510	Steel	Red	Seasonal (in place year round)	9.00	44° 20' 38.7"	76° 1' 16.4"	Concrete	680	Chain		20	2
C-22	7493.000	H21	H21	ON	1437	Unlit	0.6m Spar Can (Short)	510	Steel	Green	Seasonal (in place year round)	9.00	44° 20' 24"	76° 1' 38"	Concrete	1135	Chain		20	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-22	7494.000	H25	H25	ON	1437	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	16.00	44° 18' 48.3"	76° 5' 15.2"	Concrete	1135	Chain	8.4	20	2
C-22	7495.000	H28	H28	ON	1438	Unlit	0.6m Spar Conical (Short)	510	Steel	Red	Seasonal (in place year round)	9.00	44° 18' 6.8"	76° 6' 55.5"	Concrete	1135	Chain		20	2
C-22	7499.000	H31	H31	ON	1438	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	19.00	44° 18' 0"	76° 7' 31"	Concrete	1135	Chain	5.6	20	2
C-22	7500.000	H33	H33	ON	1438	Unlit	0.6m Spar Can (Short)	510	Steel	Green	Seasonal (in place year round)	6.00	44° 16' 51.5"	76° 9' 50"	Concrete	1135	Chain		20	2
C-22	7501.000	H35	H35	ON	1438	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	16.00	44° 16' 14"	76° 11' 38"	Concrete	1135	Chain	22	20	2
C-22	7502.000	H37	H37	ON	1438	Unlit	0.6m SB 60 Spar Can Pl		Plastic	Green	Seasonal (in place year round)	14.00	44° 14' 17"	76° 16' 39"	Concrete	680	Chain	18	20	2
C-22	7506.000	HJB	HJB	ON	1437	Unlit	0.6m Spar Conical (Long)	637	Steel	Red-green-red	Seasonal (in place year round)	10.00	44° 19' 19.7"	76° 4' 16.5"	Concrete	680	Chain		28	2
C-22	7509.000	HV	HV	ON	1437	Unlit	0.6m Spar Can (Long)	510	Steel	Yellow-black	Seasonal (in place year round)	13.00	44° 20' 47"	76° 0' 57"	Concrete	1135	Chain		20	2
C-22	7510.000	HV1	HV1	ON	1437	Unlit	0.6m Spar Can (Short)	510	Steel	Green	Seasonal (in place year round)	9.00	44° 21' 41.2"	75° 59' 41.4"	Concrete	680	Chain		28	2
C-22	7511.000	HV2	HV2	ON	1437	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	7.00	44° 21' 43.8"	75° 59' 43.2"	Concrete	2227	Chain	4.2	28	2
C-22	7511.500	HV2/2	HV2/2	ON	1437	Unlit	0.6m Spar Conical (Short)	510	Steel	Red	Seasonal (in place year round)	24.00	44° 21' 46.8"	75° 59' 49.5"	Concrete	560	Chain	4.2	28	1
C-22	7512.000	HV3	HV3	ON	1437	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	10.00	44° 21' 47.2"	75° 59' 52.7"	Concrete	680	Chain		28	2
C-22	7513.000	HV4	HV4	ON	1437	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	9.00	44° 21' 48.54"	75° 59' 53.34"	Concrete	454	Chain	3.7	28	2
C-22	7514.000	HV5	HV5	ON	1437	Unlit	0.6m Spar Can (Short)	510	Steel	Green	Seasonal (in place year round)	7.00	44° 21' 45.1"	76° 0' 9.2"	Concrete	1125	Chain		20	2
C-22	7515.000	HV6	HV6	ON	1437	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	44° 21' 44"	76° 0' 18"	Concrete	453	Chain		20	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-22	7516.000	HV7	HV7	ON	1437	Unlit	0.6m Spar Can (Short)	510	Steel	Green	Seasonal (in place year round)	4.00	44° 21' 35.56"	76° 0' 20.44"	Concrete	453	Chain		20	2
C-22	7517.000	HV8	HV8	ON	1437	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	7.00	44° 21' 27.12"	76° 0' 34.8"	Concrete	2227	Chain	5.6	28	2
C-22	7518.000	HV9	HV9	ON	1437	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	13.00	44° 21' 14.3"	76° 0' 53.7"	Concrete	454	Chain	5.6	28	2
C-22	7519.000	HV11	HV11	ON	1437	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	18.00	44° 20' 58.47"	76° 1' 1.33"	Concrete	680	Chain		20	2
C-22	7523.000	J1	J1	ON	1437	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	10.00	44° 19' 26.8"	76° 4' 43.1"	Concrete	680	Chain		28	2
C-22	7524.000	J2	J2	ON	1437	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	18.00	44° 19' 29.2"	76° 5' 1"	Concrete	1135	Chain		20	2
C-22	7525.000	J4	J4	ON	1438	Unlit	0.6m Spar Conical (Short)	510	Steel	Red	Seasonal (in place year round)	9.00	44° 19' 31"	76° 6' 44"	Concrete	1135	Chain		20	2
C-22	7528.000	J7	J7	ON	1438	Unlit	0.6m Spar Can (Short)	510	Steel	Green	Seasonal (in place year round)	8.00	44° 19' 10"	76° 9' 26"	Concrete	680	Chain		28	2
C-22	7529.000	J9	J9	ON	1438	Unlit	0.6m Spar Can (Short)	510	Steel	Green	Seasonal (in place year round)	14.00	44° 19' 2"	76° 10' 27"	Concrete	680	Chain		28	2
C-22	7530.000	J10	J10	ON	1438	Unlit	0.6m Spar Conical (Short)	510	Steel	Red	Seasonal (in place year round)	13.00	44° 19' 4"	76° 10' 26"	Concrete	680	Chain		28	2
C-22	7531.000	J12	J12	ON	1438	Unlit	0.6m Spar Conical (Short)	510	Steel	Red	Seasonal (in place year round)	7.00	44° 18' 45.5"	76° 10' 57"	Concrete	680	Chain		28	2
C-22	7532.000	J13	J13	ON	1438	Unlit	0.6m Spar Can (Short)	510	Steel	Green	Seasonal (in place year round)	8.00	44° 18' 44"	76° 10' 54.9"	Concrete	680	Chain		20	2
C-22	7534.000	J16	J16	ON	1438	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	8.00	44° 18' 11"	76° 11' 32.5"	Concrete	1135	Chain		20	2
C-22	7535.000	J19	J19	ON	1438	Unlit	0.6m Spar Can (Short)	510	Steel	Green	Seasonal (in place year round)	10.00	44° 18' 17"	76° 14' 7"	Concrete	1135	Chain	2.8	28	2
C-22	7537.000	J21	J21	ON	1438	Unlit	0.6m Spar Can (Short)	510	Steel	Green	Seasonal (in place year round)	4.00	44° 18' 2.5"	76° 16' 41.3"	Concrete	1135	Chain		20	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-22	7538.000	J22	J22	ON	1438	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.10	44° 18' 3.42"	76° 16' 50.1"	Concrete	453	Chain	9	20	2
C-22	7539.000	J23	J23	ON	1438	Unlit	0.6m Spar Can (Short)	510	Steel	Green	Seasonal (in place year round)	9.00	44° 17' 52.2"	76° 17' 12.24"	Concrete	680	Chain	13.7	20	2
C-22	7540.000	J24	J24	ON	1438	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	12.00	44° 17' 18.5"	76° 18' 20.5"	Concrete	1135	Chain		28	2
C-22	7541.000	J27	J27	ON	1439	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	13.00	44° 15' 34.5"	76° 21' 25"	Concrete	1135	Chain		28	2
C-22	7546.000	JE3	JE3	ON	1438	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	44° 19' 0"	76° 9' 32"	Concrete	453	Chain		20	2
C-22	7548.000	JE7	JE7	ON	1438	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 18' 52"	76° 9' 32.5"	Concrete	453	Chain		20	2
C-22	7549.000	JE8	JE8	ON	1438	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 18' 50"	76° 9' 34"	Concrete	453	Chain		20	2
C-22	7550.000	JE10	JE10	ON	1438	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	44° 18' 36"	76° 9' 31"	Concrete	453	Chain		20	2
C-22	7551.000	JE12	JE12	ON	1438	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	44° 18' 30.8"	76° 9' 28.3"	Concrete	453	Chain		20	2
C-22	7552.000	JE13	JE13	ON	1438	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	7.00	44° 18' 22"	76° 9' 37"	Concrete	453	Chain		20	2
C-22	7553.000	JE14	JE14	ON	1438	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.00	44° 18' 20.58"	76° 9' 42.54"	Concrete	453	Chain		20	2
C-22	7554.000	JE15	JE15	ON	1438	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	13.00	44° 17' 51"	76° 9' 56"	Concrete	1135	Chain	18	20	2
C-22	7555.000	JE16	JE16	ON	1438	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	12.00	44° 17' 56"	76° 10' 7"	Concrete	1135	Chain		28	2
C-22	7556.000	JE18	JE18	ON	1438	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	13.00	44° 17' 26.5"	76° 10' 31.5"	Concrete	680	Chain		28	2
C-22	7558.000	JH1	JH1	ON	1438	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	12.00	44° 17' 53.16"	76° 11' 23.16"	Concrete	1135	Chain		20	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-22	7559.000	JH3	JH3	ON	1438	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	13.00	44° 17' 47"	76° 11' 21"	Concrete	1135	Chain		20	2
C-22	7568.000	PJ2	PJ2	ON	1435	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	44° 40' 43.4"	75° 33' 16.3"	Concrete	453	Chain		20	2
C-22	7571.000	PK8	PK8	ON	1435	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	44° 34' 53.8"	75° 41' 21.9"	Concrete	680	Chain		20	2
C-22	7576.000	PQ1	PQ1	ON	1435	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	44° 33' 36.7"	75° 42' 40.8"	Concrete	453	Chain		20	2
C-22	7577.000	PQ2	PQ2	ON	1435	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	44° 33' 36.3"	75° 42' 44.2"	Concrete	453	Chain		20	2
C-22	7578.000	PQ3	PQ3	ON	1435	Unlit	0.6m Spar Can (Short)	510	Steel	Green	Seasonal (in place year round)	17.00	44° 33' 29"	75° 42' 48.2"	Concrete	1135	Chain	24.4	20	2
C-22	7579.000	PQ5	PQ5	ON	1435	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	44° 33' 13.5"	75° 43' 2.7"	Concrete	453	Chain	20	14	2
C-22	7580.000	PQ6	PQ6	ON	1435	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	44° 33' 17"	75° 43' 4.7"	Concrete	560	Chain		20	2
C-22	7581.000	PV3	PV3	ON	1438	Unlit	0.6m Spar Can (Short)	510	Steel	Green	Seasonal (in place year round)	8.00	44° 14' 9.5"	76° 10' 49.2"	Concrete	2270	Chain		28	2
C-22	7582.000	PV4	PV4	ON	1438	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	7.00	44° 14' 12"	76° 10' 43.5"	Concrete	2270	Chain		28	2
C-22	7584.000	U6	U6	ON	1436	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	13.00	44° 28' 37.6"	75° 49' 4.6"	Concrete	680	Chain		28	2
C-22	7585.000	U7	U7	ON	1436	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 27' 59.8"	75° 49' 46.2"	Concrete	453	Chain		20	2
C-22	7586.000	U9	U9	ON	1436	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	44° 27' 4"	75° 50' 59.8"	Concrete	453	Chain		20	2
C-22	7587.000	U12	U12	ON	1436	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	44° 25' 56.6"	75° 52' 17.8"	Concrete	453	Chain		20	2
C-22	7588.000	U14	U14	ON	1436	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	44° 25' 25.8"	75° 52' 55.4"	Concrete	453	Chain		20	2

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-22	7589.500	U16	U16	ON	1436	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.60	44° 24' 59"	75° 53' 3"	Concrete	453	Chain	9.2	20	2
C-22	7592.000	U19	U19	ON	1436	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	10.00	44° 23' 45.5"	75° 53' 53"	Concrete	1135	Chain		20	2
C-22	7684.000	U17	U17	ON	1436	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	44° 24' 30.6"	75° 53' 5.9"	Concrete	453	Chain		20	2
C-22	7699.000	132A	132A	ON	1435	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	10.00	44° 44' 7"	75° 27' 56"	Concrete	2270	Chain	18	20	2

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Beauharnois Canal and Lake St. Francis
Contract Area no.:	C-23
Province(s):	Quebec and Ontario
Contract Area Description:	The Contract Area includes Beauharnois Canal and Lake St. Francis
Coast Guard Depot:	Prescott, Ontario
Commissioning date:	March 22nd
Decommissioning date:	December 31st
Total no. of buoys:	142
Max. buoy size(m) diameter :	1.4
Maximum anchor size (weight (kg)):	3630
Maximum buoy weight (kg) :	1811
Maximum water depth (m) :	18
Operational Season:	April 5th to December 15th
Overview of work activities:	12 buoys are seasonal; the remainder are 'seasonal, in place year round'. For year round buoys, commissioning work includes: position verification, replace tape and numbers as required. There is no decommissioning work. For seasonal buoys, commissioning work includes replacing winter spar with summer buoy and verifying position; decommissioning work includes replacing of summer buoy with winter spar. The work also includes planned cyclical mooring inspections and replacement over a 5 year cycle, i.e. 20% of the buoy moorings are inspected and replaced each year. This applies to 'year round' buoys only. Unscheduled work includes response to discrepancies during the operational season.
Comment:	Season start and end dates may vary as a result of ice conditions. Season start and end dates are related to St. Lawrence Seaway Opening and Closing schedules.

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-23	36.000	C2	Lighted Spar C2	QC	1431	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	10.00	45° 17' 2.146"	73° 56' 30.57"	Serrated	4227	Chain	18.3	28	2
C-23	39.000	C6	Lighted buoy C6	QC	1431	Night	1.4m Buoy	1811	Steel	Red	Seasonal (in place year round)	13.00	45° 16' 6.647"	73° 57' 12.075"	Concrete	2270	Chain	18.3	28	2
C-23	40.000	C7	Lighted Spar C7	QC	1431	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	12.00	45° 15' 36.147"	73° 57' 28.077"	Concrete	2270	Chain	18.3	28	2
C-23	43.000	C8	Lighted Spar C8	QC	1431	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	14.00	45° 15' 25.147"	73° 57' 58.579"	Concrete	2270	Chain	18.3	28	2
C-23	44.000	C10	Lighted Spar C10	QC	1431	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	13.00	45° 14' 40.148"	73° 59' 4.585"	Serrated	6227	Chain	18.3	28	2
C-23	45.000	C11	Lighted Spar C11	QC	1431	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	13.00	45° 14' 35.648"	73° 58' 58.585"	Concrete	2270	Chain	18	28	2
C-23	46.000	C13	Lighted Spar C13	QC	1431	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	13.00	45° 14' 14.149"	73° 59' 27.587"	Concrete	2270	Chain	18	28	2
C-23	47.000	C14	Lighted Spar C14	QC	1431	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	14.00	45° 14' 17.149"	73° 59' 38.588"	Concrete	2270	Chain	18	28	2
C-23	49.000	CK	St. Louis Bridge Anchorage lighted Spar CK	QC	1431	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Yellow	Seasonal (in place year round)	11.00	45° 13' 15.15"	74° 1' 41.097"	Concrete	2270	Chain	18	28	2
C-23	50.000	C20	Lighted Spar C20	QC	1431	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	11.00	45° 13' 48.6"	74° 0' 45.8"	Concrete	2270	Chain	18	28	2
C-23	53.000	C22	Light Buoy C22	QC	1431	Night	1.4m Buoy	1811	Steel	Red	Seasonal	12.00	45° 13' 26.3"	74° 2' 7.3"	Concrete	2270	Chain	18	28	2
C-23	54.000	C21	Light Buoy C21	QC	1431	Night	1.4m Buoy	1811	Steel	Green	Seasonal	11.00	45° 13' 24.15"	74° 1' 47.597"	Concrete	2270	Chain	18	28	2
C-23	55.500	C23	Lighted Spar C23	QC	1431	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	12.00	45° 13' 14.151"	74° 2' 26.1"	Concrete	2270	Chain	18	28	2
C-23	57.000	C24	Light Buoy C24	QC	1431	Night	1.4m Buoy	1811	Steel	Red	Seasonal	11.00	45° 13' 20.151"	74° 2' 51.601"	Serrated	2041	Chain	18	28	2
C-23	58.000	C27	Light Buoy C27	QC	1431	Night	1.4m Buoy	1811	Steel	Green	Seasonal	11.00	45° 13' 14.651"	74° 3' 42.605"	Serrated	4227	Chain	18.3	28	2
C-23	63.000	C28	Lighted Spar C28	QC	1431	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	13.00	45° 13' 20.151"	74° 3' 42.604"	Serrated	2041	Chain	18	28	2
C-23	64.000	C31	Light Buoy C31	QC	1431	Night	1.4m Buoy	1811	Steel	Green	Seasonal	11.00	45° 13' 15.14"	74° 4' 56.57"	Concrete	2270	Chain	18.3	28	2
C-23	65.000	C30	Light Buoy C30	QC	1431	Night	1.4m Buoy	1811	Steel	Red	Seasonal	9.00	45° 13' 20.151"	74° 5' 4.57"	Concrete	2270	Chain	18	28	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-23	66.000	C37	Light buoy C37	QC	1431	Night	1.4m Buoy	1811	Steel	Green	Seasonal	11.00	45° 13' 15.8"	74° 5' 35.7"	Serrated	2948	Chain	18	28	2
C-23	68.000	C39	Light buoy C39	QC	1431	Night	1.4m Buoy	1811	Steel	Green	Seasonal	13.00	45° 13' 18"	74° 5' 58.8"	Concrete	2270	Chain	18	28	2
C-23	69.000	C38	Lighted Spar C38	QC	1431	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	12.00	45° 13' 24.152"	74° 5' 56.613"	Serrated	2041	Chain	18	28	2
C-23	72.000	C45	Lighted Spar C45	QC	1431	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	12.00	45° 13' 47.151"	74° 8' 14.122"	Concrete	2270	Chain	18	28	2
C-23	73.000	CN	Beauharnois Anchorage Area lighted spar CN	QC	1431	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Yellow	Seasonal (in place year round)	10.00	45° 13' 34.151"	74° 8' 19.122"	Concrete	2270	Chain	18	28	2
C-23	74.000	C46	Lighted Spar C46	QC	1431	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	11.00	45° 13' 59.151"	74° 8' 37.624"	Serrated	2041	Chain	18	28	2
C-23	77.000	C48	Lighted Spar C48	QC	1431	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	10.00	45° 14' 3.151"	74° 9' 14.126"	Serrated	2041	Chain	18	28	2
C-23	78.000	C49	Lighted Spar C49	QC	1431	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	11.00	45° 13' 55.151"	74° 9' 35.628"	Concrete	2270	Chain	18	28	2
C-23	80.000	DV9	Port de Valleyfield Entrance light buoy DV9	QC	1431	Night	2ft 11in Tideland/NPL (WB-390)	18	Plastic	Green	Seasonal	4.00	45° 14' 52.14"	74° 9' 57.47"	Concrete	680	Chain	6	20	2
C-23	81.100	DV12	Valleyfield Harbour Entrance light buoy DV12	QC	1431	Night	2ft 11in Tideland/NPL (WB-390)	18	Plastic	Red	Seasonal	3.00	45° 14' 57.06"	74° 9' 50.28"	Concrete	1125	Chain	1.9	20	2
C-23	82.400	DV16	Valleyfield Approach light buoy DV16	QC	1431	Night	2ft 11in Tideland/NPL (WB-390)	18	Plastic	Red	Seasonal	3.00	45° 15' 4.14"	74° 9' 38.47"	Concrete	453	Chain	6	20	2
C-23	82.500	DV18	Valleyfield Approach light buoy DV18	QC	1431	Night	2ft 11in Tideland/NPL (WB-390)	18	Plastic	Red	Seasonal	4.00	45° 15' 10.95"	74° 9' 24.47"	Concrete	680	Chain	6	20	2
C-23	86.000	DVB	Valleyfield Lighted Spar DVB	QC	1431	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red-green-red	Seasonal (in place year round)	10.00	45° 13' 52.152"	74° 11' 20.13"	Serrated	2948	Chain	18	28	2
C-23	87.000	D3	Lighted Spar D3	QC	1431	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	10.00	45° 13' 48.152"	74° 11' 19.63"	Concrete	2270	Chain	18	28	2
C-23	88.000	D6	Lighted Spar D6	QC	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	12.00	45° 13' 46.266"	74° 12' 33.661"	Concrete	2270	Chain	18	28	2
C-23	89.000	D5	Lighted Spar D5	QC	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	10.00	45° 13' 41.855"	74° 12' 32.661"	Concrete	2270	Chain	18	28	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-23	89.500	DE	St-Zotique Anchorage Area Lighted Spar DE	QC	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Yellow	Seasonal (in place year round)	19.00	45° 13' 29.156"	74° 13' 31.631"	Concrete	2270	Chain	27	28	2
C-23	90.000	D8	Lighted Spar D8	QC	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	19.00	45° 13' 41.5"	74° 13' 33.3"	Concrete	2270	Chain	27	28	2
C-23	90.400	DC	St-Zotique Anchorage Lighted Spar DC	QC	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Yellow	Seasonal (in place year round)	11.00	45° 14' 10.151"	74° 13' 36.629"	Concrete	2270	Chain	18	28	2
C-23	91.000	D10	Lighted Spar D10	QC	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	9.00	45° 13' 39.153"	74° 15' 14.632"	Concrete	2270	Chain	18	28	2
C-23	92.000	D9	Lighted Spar D9	QC	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	23.00	45° 13' 27.152"	74° 14' 50.629"	Concrete	2270	Chain	27	28	2
C-23	93.000	D12	Lighted Spar D12	QC	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	18.00	45° 13' 9.21"	74° 16' 14.671"	Concrete	2270	Chain	27	28	2
C-23	94.500	D14	Lighted Spar D14	QC	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	14.00	45° 12' 38.838"	74° 17' 32.796"	Concrete	2270	Chain		28	2
C-23	95.000	D13	Lighted Spar D13	QC	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	16.00	45° 12' 30.002"	74° 17' 6.004"	Concrete	2270	Chain	27	28	2
C-23	97.000	D18	Lighted Spar D18	QC	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	13.00	45° 12' 31.383"	74° 17' 52.872"	Concrete	2270	Chain	18	28	2
C-23	98.000	D17	Lighted Spar D17	QC	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	20.00	45° 12' 14.25"	74° 17' 52.035"	Concrete	2270	Chain	27	28	2
C-23	101.000	D24	Lighted Spar D24	QC	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	13.00	45° 10' 54.137"	74° 19' 9.789"	Concrete	2270	Chain	18	28	2
C-23	102.000	D23	Lighted Spar D23	QC	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	14.00	45° 10' 47.988"	74° 19' .269"	Serrated	2948	Chain	18	28	2
C-23	103.000	D26	Lighted Spar D26	QC	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	10.00	45° 10' 34.521"	74° 19' 48.986"	Concrete	2270	Chain	18	28	2
C-23	106.000	D25	Lighted Spar D25	QC	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	19.00	45° 10' 3.1"	74° 20' 35.3"	Concrete	2270	Chain	27	28	2
C-23	108.000	D28	Lighted Spar D28	QC	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	10.00	45° 9' 18.449"	74° 22' 20.867"	Concrete	2270	Chain	18	28	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-23	109.000	D30	Lighted Spar D30	QC	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	12.00	45° 8' 43.565"	74° 23' 30.426"	Concrete	2270	Chain	18	28	2
C-23	110.000	D31	Lighted Spar D31	QC	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	12.00	45° 8' 17.412"	74° 24' 1.091"	Concrete	2270	Chain	18	28	2
C-23	112.500	D34	Lighted Spar D34	QC	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	16.00	45° 7' 48.335"	74° 25' 20.181"	Concrete	2270	Chain	18	28	2
C-23	113.000	D36	Lighted Spar D36	QC	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	10.00	45° 7' 38.823"	74° 25' 58.111"	Concrete	2270	Chain	18	28	2
C-23	114.000	D35	Lighted Spar D35	QC	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	18.00	45° 7' 35.721"	74° 25' 19.321"	Concrete	2270	Chain	27	28	2
C-23	114.500	D37	Lighted Spar D37	QC	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	10.00	45° 7' 33.96"	74° 25' 57.704"	Concrete	2270	Chain	18	28	2
C-23	114.800	D38	Lighted Spar D38	ON	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	9.00	45° 7' 36.926"	74° 26' 34.738"	Concrete	2270	Chain	18	28	2
C-23	115.000	D39	Lighted Spar D39	ON	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	11.00	45° 7' 32.128"	74° 26' 38.505"	Concrete	2270	Chain	18	28	2
C-23	117.000	D40	Lighted Spar D40	ON	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	9.00	45° 7' 34.929"	74° 27' 1.4669"	Concrete	2270	Chain	18	28	2
C-23	117.500	D42	Lighted Spar D42	ON	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	10.00	45° 7' 24.483"	74° 27' 19.003"	Concrete	2270	Chain	18	28	2
C-23	118.000	D43	Lighted Spar D43	ON	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	10.00	45° 7' 20.402"	74° 27' 16.027"	Serrated	2948	Chain	18	28	2
C-23	118.400	D44	Lighted Spar D44	ON	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	10.00	45° 7' 8.954"	74° 27' 43.96"	Concrete	2270	Chain	18	28	2
C-23	118.600	D45	Lighted Spar D45	ON	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	11.00	45° 7' 5.465"	74° 27' 40.031"	Concrete	2270	Chain	18	28	2
C-23	119.000	D46	Lighted Spar D46	ON	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	13.00	45° 6' 35.2"	74° 28' 37.9"	Concrete	2270	Chain	18	28	2
C-23	120.000	D47	Lighted Spar D47	ON	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	15.00	45° 6' 26.014"	74° 28' 43.522"	Serrated	2948	Chain	22	28	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-23	121.000	D48	Lighted Spar D48	ON	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	10.00	45° 6' 21.2"	74° 29' .7"	Concrete	2270	Chain	18	28	2
C-23	122.000	D49	Lighted Spar D49	ON	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	12.00	45° 6' 8.299"	74° 29' 3.109"	Concrete	2270	Chain	18	28	2
C-23	125.000	D52	Lighted Spar D52	ON	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	10.00	45° 5' 27.059"	74° 29' 40.365"	Concrete	2270	Chain	18	28	2
C-23	128.000	D53	Lighted Spar D53	ON	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	10.00	45° 5' 14.065"	74° 29' 42.794"	Serrated	2041	Chain	18	28	2
C-23	129.000	D54	Lighted Spar D54	ON	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	12.00	45° 5' 8.663"	74° 29' 59.649"	Concrete	2270	Chain	18	28	2
C-23	132.000	D55	Lighted Spar D55	ON	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	11.00	45° 4' 43.537"	74° 30' 27.129"	Serrated	2041	Chain	18	28	2
C-23	133.000	D56	Lighted Spar D56	ON	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	12.00	45° 4' 47.218"	74° 30' 30.755"	Serrated	6227	Chain	18	28	2
C-23	133.200	N/A	Highlander Shoal mooring buoy	ON	1432	Night	0.6m Spar Can (Long)	510	Steel	Orange-white	Seasonal (in place year round)	11.00	45° 4' 34.2"	74° 31' 4.5"	Concrete	2270	Chain	14	28	1
C-23	133.500	D58	Light Buoy D58	ON	1432	Night	1.4m Buoy	1811	Steel	Red	Seasonal	9.00	45° 4' 13.853"	74° 31' 19.228"	Serrated	4227	Chain	18.3	28	2
C-23	134.000	D57	Light Buoy D57	ON	1432	Night	1.4m Buoy	1811	Steel	Green	Seasonal	10.00	45° 4' 9.545"	74° 31' 16.508"	Serrated	3632	Chain	18.3	28	2
C-23	134.500	D60	Lighted Spar D60	ON	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	10.00	45° 3' 55.055"	74° 31' 46.51"	Concrete	2270	Chain	18	28	2
C-23	135.000	D59	Lighted Spar D59	ON	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	10.00	45° 3' 52.156"	74° 31' 41.674"	Serrated	2041	Chain	18	28	2
C-23	138.000	D62	Lighted Spar D62	ON	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	13.00	45° 3' 44.692"	74° 32' 1.575"	Serrated	2948	Chain	18	28	2
C-23	139.000	D63	Lighted Spar D63	ON	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	12.00	45° 3' 31.824"	74° 32' 11.269"	Serrated	2041	Chain	18	28	2
C-23	140.000	D64	Lighted Spar D64	ON	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	10.00	45° 3' 28.495"	74° 32' 31.309"	Concrete	2270	Chain	18.3	28	2
C-23	141.300	D65	Lighted Spar D65	ON	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	10.00	45° 3' 12.132"	74° 32' 57.65"	Concrete	2270	Chain	18.3	28	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-23	142.000	DS6	Summerstown light buoy DS6	ON	1432	Night	2ft 11in Tideland/NPL (WB-390)	18	Plastic	Red	Seasonal	4.00	45° 3' 27.655"	74° 33' 14.679"	Concrete	340	Chain	6	20	2
C-23	143.000	D68	Lighted Spar D68	ON	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	10.00	45° 3' 8.004"	74° 33' 19.526"	Serrated	6227	Chain	18.3	28	2
C-23	145.000	D69	Lighted Spar D69	ON	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	13.00	45° 2' 47.973"	74° 33' 54.527"	Concrete	2270	Chain	18.3	28	2
C-23	147.000	D72	Light Buoy D72	ON	1432	Night	1.4m Buoy	1811	Steel	Red	Seasonal	11.00	45° 2' 44.858"	74° 34' 14.137"	Concrete	2270	Chain	18.3	28	2
C-23	149.000	D74	Lighted Spar D74	ON	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	12.00	45° 2' 39.872"	74° 34' 34.549"	Concrete	2270	Chain	18.3	28	2
C-23	150.000	DK	Dickerson Island Anchorage Area Lighted Spar DK	QC	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Yellow	Seasonal (in place year round)	13.00	45° 2' 20.156"	74° 35' 16.688"	Serrated	6227	Chain	18.3	28	2
C-23	150.500	DM	Dickerson Island Anchorage Area South Lighted Spar DM	QC	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Yellow	Seasonal (in place year round)	9.00	45° 2' 10.165"	74° 35' 45.194"	Concrete	2270	Chain	18.3	28	2
C-23	150.800	DX	Danis Point Anchorage Lighted Spar DX	ON	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Yellow	Seasonal (in place year round)	12.00	45° 2' 37.661"	74° 35' 41.691"	Concrete	2270	Chain	18.3	28	2
C-23	151.000	D76	Light Buoy D76	ON	1432	Night	1.4m Buoy	1811	Steel	Red	Seasonal	13.00	45° 2' 27.194"	74° 35' 59.702"	Serrated	6227	Chain	18.3	28	2
C-23	152.000	D77	Lighted Spar D77	ON	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Green	Seasonal (in place year round)	12.00	45° 2' 22.549"	74° 35' 58.646"	Concrete	2270	Chain	18.3	28	2
C-23	153.500	D81	Light Buoy D81	ON	1432	Night	1.4m Buoy	1811	Steel	Green	Seasonal	18.00	45° 2' 12.624"	74° 36' 23.974"	Concrete	2270	Chain	27.4	28	2
C-23	153.700	D82	Lighted Spar D82	ON	1433	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	10.00	45° 2' 13.019"	74° 36' 35.931"	Concrete	2270	Chain	18.3	28	2
C-23	154.000	D84	Lighted Spar D84	ON	1432	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red	Seasonal (in place year round)	10.00	45° 2' 5.544"	74° 36' 54.985"	Serrated	3630	Chain	18.3	28	2
C-23	154.300	DN	Ile Saint-Regis Anchorage Area Southeast Light Buoy DN	ON	1432	Night	1.4m Buoy	1811	Steel	Yellow	Seasonal	14.00	45° 1' 51.162"	74° 37' 2.187"	Concrete	2270	Chain	18.3	28	2
C-23	154.500	DQ	Ile Saint-Regis Anchorage Area Southwest Light Buoy DQ	ON	1432	Night	1.4m Buoy	1811	Steel	Yellow	Seasonal	16.00	45° 1' 44.163"	74° 37' 30.693"	Concrete	2270	Chain	27.4	28	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-23	155.000	D87	Light Buoy D87	ON	1433	Night	1.4m Buoy	1811	Steel	Green	Seasonal	10.00	45° 1' 26.991"	74° 38' 20.503"	Concrete	2270	Chain	18.3	28	2
C-23	155.500	D86	Light Buoy D86	ON	1433	Night	1.4m Buoy	1811	Steel	Red	Seasonal	12.10	45° 1' 35.997"	74° 38' 11.005"	Concrete	2270	Chain	18.3	28	2
C-23	157.000	DCB	Cornwall Island Lighted Spar DCB	ON	1433	Night	0.5 x 6.1 meter Lighted Ice Spar		Plastic	Red-green-red	Seasonal (in place year round)	12.00	45° 1' 14.201"	74° 39' 6.08"	Serrated	2948	Chain	18	28	2
C-23	159.000	DC4	Lighted Spar buoy DC4	ON	1433	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	10.00	45° 1' 17.203"	74° 39' 28.706"	Concrete	2270	Chain	13	28	2
C-23	160.000	DC5	Lighted Spar buoy DC5	ON	1433	Night	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	11.00	45° 1' 12.063"	74° 39' 38.668"	Serrated	2041	Chain	16	28	2
C-23	166.000	D89	Light Buoy D89	ON	1433	Night	1.4m Buoy	1811	Steel	Green	Seasonal	13.50	45° 1' 2.6"	74° 39' 18.7"	Serrated	2948	Chain	18	28	2
C-23	167.000	D90	Light Buoy D90	ON	1433	Night	1.4m Buoy	1811	Steel	Red	Seasonal	10.00	45° 1' 2.34"	74° 39' 31.222"	Serrated	2948	Chain	18	28	2
C-23	167.500	D91	Light Buoy D91	QC	1433	Night	1.4m Buoy	1811	Steel	Green	Seasonal	10.00	45° 0' 58.096"	74° 39' 25.227"	Serrated	2948	Chain	18	28	2
C-23	168.000	D93	Light Buoy D93	QC	1433	Night	1.4m Buoy	1811	Steel	Green	Seasonal	10.00	45° 0' 48.299"	74° 39' 37.705"	Serrated	2948	Chain	18	28	2
C-23	169.000	D92	Light Buoy D92	ON	1433	Night	1.4m Buoy	1811	Steel	Red	Seasonal	11.00	45° 0' 50.397"	74° 39' 43.225"	Serrated	2948	Chain	18	28	2
C-23	170.000	D96	Light Buoy D96	QC	1433	Night	1.4m Buoy	1811	Steel	Red	Seasonal	10.70	45° 0' 24.022"	74° 40' 3.497"	Concrete	2270	Chain	18	28	2
C-23	170.500	D95	Light Buoy D95	QC	1433	Night	1.4m Buoy	1811	Steel	Green	Seasonal	10.00	45° 0' 23.241"	74° 39' 56.852"	Serrated	2948	Chain	18	28	2
C-23	7316.600	DC7	Spar buoy DC7	ON	1433	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	10.00	45° 1' 6.5"	74° 41' 0"	Concrete	2270	Chain	18	28	2
C-23	7318.000	DD2	DD2	ON	1432	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	1.00	45° 6' 45.152"	74° 28' 26.656"	Concrete	225	Chain	3	28	2
C-23	7319.000	DD3	DD3	ON	1432	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	1.00	45° 6' 44.148"	74° 28' 27.655"	Concrete	453	Chain	3	28	2
C-23	7320.000	DD4	DD4	ON	1432	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 7' 6.156"	74° 28' 51.659"	Concrete	340	Chain	6	28	2
C-23	7321.000	DD5	DD5	ON	1432	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 7' 6.156"	74° 28' 54.658"	Concrete	340	Chain	6	28	2
C-23	7322.000	DD6	DD6	ON	1432	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	45° 7' 32.153"	74° 29' 26.66"	Concrete	340	Chain	4	28	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-23	7323.000	DD7	DD7	ON	1432	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	1.00	45° 7' 31.157"	74° 29' 28.659"	Concrete	340	Chain	3	28	2
C-23	7324.000	DM2	DM2	ON	1432	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	45° 3' 9.149"	74° 33' 38.648"	Concrete	225	Chain	6	20	2
C-23	7325.000	DM4	DM4	ON	1432	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	9.00	45° 3' 11.003"	74° 33' 52.004"	Concrete	225	Chain	12	14	2
C-23	7326.000	DM6	DM6	ON	1432	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	45° 3' 8.152"	74° 34' 4.651"	Concrete	225	Chain	9	20	2
C-23	7327.000	DM8	DM8	ON	1432	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	45° 2' 56.155"	74° 34' 29.178"	Concrete	225	Chain	9.1	20	2
C-23	7328.000	DM10	DM10	ON	1432	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	1.00	45° 2' 49.159"	74° 34' 31.678"	Concrete	225	Chain	3	28	2
C-23	7331.000	DP2	DP2	QC	1432	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 10' 26.151"	74° 17' 25.648"	Concrete	227	Chain	6	20	2
C-23	7332.000	DP3	DP3	QC	1432	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 10' 29.654"	74° 17' 22.568"	Concrete	227	Chain	6	20	2
C-23	7333.000	DP4	DP4	QC	1432	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 10' 23.652"	74° 17' 17.953"	Concrete	227	Chain	7	20	2
C-23	7334.000	DP5	DP5	QC	1432	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 10' 24.153"	74° 17' 16.651"	Concrete	227	Chain	4	20	2
C-23	7335.000	DQ2	DQ2	QC	1432	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal (in place year round)	1.00	45° 12' 20.15"	74° 18' 45.646"	DOR-MOR	32	Chain	3	20	2
C-23	7336.000	DQ3	DQ3	QC	1432	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal (in place year round)	1.00	45° 12' 20.15"	74° 18' 49.645"	DOR-MOR	32	Chain	3	20	2
C-23	7337.000	DQ4	DQ4	QC	1432	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal (in place year round)	1.00	45° 12' 23.659"	74° 18' 52.644"	DOR-MOR	32	Chain	3	20	2
C-23	7338.000	DS	DS	ON	1432	Unlit	0.6m SB 60 Spar Can Pl		Plastic	Yellow	Seasonal (in place year round)	10.00	45° 1' 50.66"	74° 37' 51.695"	Concrete	2270	Chain	18	28	2
C-23	7339.000	DS2	DS2	ON	1432	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	45° 3' 14.151"	74° 33' 18.155"	Concrete	453	Chain	4	20	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-23	7340.000	DS3	DS3	ON	1432	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 3' 14.151"	74° 33' 21.654"	Concrete	680	Chain	4	20	2
C-23	7341.000	DS4	DS4	ON	1432	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 3' 21.146"	74° 33' 16.155"	Concrete	680	Chain	4	20	2
C-23	7342.000	DS5	DS5	ON	1432	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 3' 21.146"	74° 33' 18.155"	Concrete	453	Chain	4	20	2
C-23	7343.000	DS7	DS7	ON	1432	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 3' 27.152"	74° 33' 16.655"	Concrete	225	Chain	4	20	2
C-23	7344.000	DV10	DV10	QC	1431	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 14' 52.5"	74° 9' 52.9"	Concrete	680	Chain	7.6	20	2
C-23	7345.000	DV13	DV13	QC	1431	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 14' 58.2"	74° 9' 50.6"	Concrete	453	Chain	4	20	2
C-23	7346.000	DV15	DV15	QC	1431	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 15' 3.4"	74° 9' 45.2"	Concrete	680	Chain	6	20	2
C-23	7346.200	DV17	DV17	QC	1431	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	4.60	45° 15' 9.14"	74° 9' 32.07"	Concrete	453	Chain	6	20	2
C-23	7347.000	DV19	DV19	QC	1431	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	45° 15' 12.54"	74° 9' 21.57"	Concrete	453	Chain	7	20	2
C-23	7349.000	DV21	DV21	QC	1431	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	45° 15' 15.1"	74° 9' 11.6"	Concrete	453	Chain	4.6	20	2
C-23	7681.000	DV7	DV7	QC	1431	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	45° 14' 41.64"	74° 10' 26.57"	Concrete	453	Chain		20	2
C-23	7682.500	DV22	DV22	QC	1431	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	15.00	45° 15' 20.14"	74° 8' 53.57"	Concrete	453	Chain	1.9	20	2
C-23	7683.000	DN	DN	ON	1432	Unlit	0.6m Spar Can (Short)	510	Steel	Yellow-black	Seasonal (in place year round)	4.00	45° 8' 58.157"	74° 24' 44.147"	Concrete	680	Chain		20	2
C-23	7691.000	DV8	DV8	QC	1431	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	45° 14' 43.14"	74° 10' 11.07"	Concrete	453	Chain		20	2

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Owwata River								
Contract Area no.:	C-24, A-D								
Province(s):	Ontario								
Contract Area Description:	<p>The Contract Area includes 4 sub-contract areas with similar buoy sizes and conditions:</p> <table><tr><td>C-24A: Britannia Bay to Chats Falls,</td><td>14 buoys</td></tr><tr><td>C-24B: Pontiac section,</td><td>66 buoys</td></tr><tr><td>C-24C: Pembroke to Deep River</td><td>30 buoys</td></tr><tr><td>C-24D: Rapides-des-Joachims to Mattawa,</td><td>16 buoys</td></tr></table>	C-24A: Britannia Bay to Chats Falls,	14 buoys	C-24B: Pontiac section,	66 buoys	C-24C: Pembroke to Deep River	30 buoys	C-24D: Rapides-des-Joachims to Mattawa,	16 buoys
C-24A: Britannia Bay to Chats Falls,	14 buoys								
C-24B: Pontiac section,	66 buoys								
C-24C: Pembroke to Deep River	30 buoys								
C-24D: Rapides-des-Joachims to Mattawa,	16 buoys								
Coast Guard Depot:	Prescott, Ontario								
Commissioning date:	May 15th								
Decommissioning date:	N/a, see overview								
Total no. of buoys:	126								
Max. buoy size(m) diameter :	0.3								
Maximum anchor size (weight (kg)):	227								
Maximum buoy weight (kg) :	80								
Maximum water depth (m) :	10								
Operational Season:	May 15th to October 31st								
Overview of work activities:	<p>All buoys are 'seasonal, in place year round'; there are no lit aids.</p> <p>At Commissioning, work includes position verification and, as required, tape & numbers.</p> <p>The work includes planned cyclical mooring inspections and replacement over a 5 year cycle, i.e. 20% of the buoy moorings are inspected and replaced each year. There are no decommissioning activities.</p> <p>Unscheduled work includes response to discrepancies during the operational season.</p>								
Comment:	The river sections will be tendered as separate contracts.								

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-24a	7593.000	K1	K1	ON	1550	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 21' 46.13"	75° 49' 4.9"	Concrete	227	Chain	6.1	20	2
C-24a	7594.000	K3	K3	ON	1550	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 21' 53.2"	75° 49' 54.2"	Concrete	227	Chain	7.6	20	2
C-24a	7595.000	K4	K4	ON	1550	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	45° 22' 28.4"	75° 50' 11.3"	Concrete	227	Chain	7.6	20	2
C-24a	7596.000	K5	K5	ON	1550	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	45° 23' 18.4"	75° 52' 38.6"	Concrete	227	Chain	7.6	20	2
C-24a	7597.000	K7	K7	ON	1550	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	45° 23' 43.1"	75° 53' 3.1"	Concrete	227	Chain	7.6	20	2
C-24a	7598.000	K8	K8	QC	1550	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	45° 29' 49.1"	76° 2' 28.1"	Concrete	227	Chain	9.1	20	2
C-24a	7599.000	K10	K10	QC	1550	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	45° 29' 55.8"	76° 2' 59.9"	Concrete	227	Chain	9.1	20	2
C-24a	7600.000	K11	K11	ON	1550	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	45° 29' 51.9"	76° 3' 10.5"	Concrete	227	Chain	9.1	20	2
C-24a	7601.000	K13	K13	ON	1550	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	45° 30' 48.7"	76° 5' 34.9"	Concrete	227	Chain	6.1	20	2
C-24a	7602.000	K15	K15	ON	1550	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	45° 31' 2.2"	76° 7' 26.3"	Concrete	227	Chain	9.1	20	2
C-24a	7603.000	K16	K16	ON	1550	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	45° 30' 59"	76° 8' 52"	Concrete	227	Chain	7.6	20	2
C-24a	7604.000	K17	K17	ON	1550	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	45° 30' 53.5"	76° 8' 58.5"	Concrete	227	Chain	9.1	20	2
C-24a	7667.000	KN6	KN6	ON	1550	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	45° 21' 32"	75° 49' 29.7"	Concrete	227	Chain	6.1	20	2
C-24a	7667.100	KN5	KN5	ON	1550	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.50	45° 21' 30.9"	75° 49' 15.48"	Concrete	227	Chain	7.6	20	2
C-24b	7004.110	C13	Ile Griffin South Spar Buoy C13	QC	1552	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 41' 49.56"	76° 36' 23.28"	Concrete	227	Chain	6.1	20	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-24b	7004.115	C15	Ile Griffin North Spar Buoy C15	QC	1552	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 42' 12.06"	76° 36' 9.78"	Concrete	227	Chain	6.1	20	2
C-24b	7004.125	C17	Spar Buoy C17	QC	1552	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.50	45° 43' 36.72"	76° 36' 25.38"	Concrete	227	Chain	6.1	20	2
C-24b	7004.140	C19	Spar Buoy C19	QC	1552	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	45° 45' 51.18"	76° 37' 50.7"	Concrete	227	Chain	6.1	20	2
C-24b	7004.160	C21	Ile Bernard Spar Buoy C21	QC	1552	Unlit	0.3m Spar Can (ORT)	80	Steel	Green	Seasonal (in place year round)	3.00	45° 48' 57.12"	76° 41' 32.7"	Concrete	227	Chain	6.1	20	2
C-24b	7004.170	C22	Spar Buoy C22	QC	1552	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 48' 45.36"	76° 43' 14.1"	Concrete	227	Chain	6.1	20	2
C-24b	7004.175	C24	Spar Buoy C24	QC	1552	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.60	45° 48' 17.52"	76° 45' 35.7"	Concrete	227	Chain	6.1	20	2
C-24b	7004.185	C25	Spar Buoy C25	QC	1552	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.70	45° 49' 3.84"	76° 45' 48.3"	Concrete	227	Chain	6.1	20	2
C-24b	7004.190	C26	Spar Buoy C26	QC	1552	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.40	45° 49' 12.42"	76° 45' 40.5"	Concrete	227	Chain	6.1	20	2
C-24b	7004.195	C27	Ile Young Spar Buoy C27	QC	1552	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 50' .06"	76° 45' 13.8"	Concrete	227	Chain	6.1	20	2
C-24b	7004.200	C27/5	Ile Frost Spar Buoy C27/5	QC	1552	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 50' 38.7"	76° 45' 5.46"	Concrete	227	Chain	6.1	20	2
C-24b	7004.205	C29	Ile Hennessey Spar Buoy C29	QC	1552	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.50	45° 51' 11.64"	76° 45' 39.72"	Concrete	227	Chain	6.1	20	2
C-24b	7004.210	C30	Pointe Bryson Spar Buoy C30	QC	1552	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	45° 51' 14.4"	76° 45' 59.5"	Concrete	227	Chain	9.1	20	2
C-24b	7004.215	C32	Spar Buoy C32	ON	1552	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 51' 28.98"	76° 46' 22.38"	Concrete	227	Chain	7.6	20	2
C-24b	7004.220	C34	Spar Buoy C34	QC	1552	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.60	45° 51' 56.58"	76° 46' 34.98"	Concrete	227	Chain	7.6	20	2
C-24b	7004.225	C35	Spar Buoy C35	QC	1552	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.60	45° 52' 23.5"	76° 46' 47.1"	Concrete	227	Chain	6.1	20	2

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BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-24b	7004.230	C37	Lac Coulonge Spar Buoy C37	QC	1552	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.70	45° 53' 36.8"	76° 51' 8.5"	Concrete	227	Chain	6.1	20	2
C-24b	7004.235	C38	Iles Finlay East Spar Buoy C38	QC	1552	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.30	45° 53' 34.02"	76° 52' 3.6"	Concrete	227	Chain	6.1	20	2
C-24b	7004.240	C38/4	Iles Finlay West Spar Buoy C38/4	QC	1552	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.30	45° 53' 46.2"	76° 52' 59.7"	Concrete	227	Chain	6.1	20	2
C-24b	7004.245	C40	Spar Buoy C40	QC	1552	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.70	45° 53' 50.34"	76° 55' 16.44"	Concrete	227	Chain	6.1	20	2
C-24b	7004.250	C41	Pointe Murphy Spar Buoy C41	QC	1552	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 53' 53.2"	76° 55' 24.6"	Concrete	227	Chain	6.1	20	2
C-24b	7004.265	C42	Spar Buoy C42	QC	1552	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 54' 27.96"	76° 57' 23.76"	Concrete	227	Chain	6.1	20	2
C-24b	7004.270	C43	Spar Buoy C43	QC	1552	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.70	45° 54' 28.44"	76° 57' 32.4"	Concrete	227	Chain	6.1	20	2
C-24b	7004.275	C44	Lac Lynch Spar Buoy C44	QC	1552	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.70	45° 54' 48.4"	76° 57' 57.5"	Concrete	227	Chain	6.1	20	2
C-24b	7004.280	C45	Lac Lynch Spar Buoy C45	QC	1552	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 54' 46.7"	76° 57' 59.3"	Concrete	227	Chain	6.1	20	2
C-24b	7004.285	C46	Lac Lynch Spar Buoy C46	QC	1552	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.70	45° 54' 38.34"	76° 58' 42.66"	Concrete	227	Chain	6.1	20	2
C-24b	7004.290	C47	Lac Lynch Spar Buoy C47	QC	1552	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.60	45° 54' 30.96"	76° 58' 39.54"	Concrete	227	Chain	6.1	20	2
C-24b	7004.295	C48	Spar Buoy C48	QC	1552	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.60	45° 54' 17.6"	76° 58' 47"	Concrete	227	Chain	6.1	20	2
C-24b	7004.300	C49	Spar Buoy C49	QC	1552	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.50	45° 54' 15.24"	76° 58' 48.12"	Concrete	227	Chain	6.1	20	2
C-24b	7004.305	C50	Pointe Indian Spar Buoy C50	QC	1552	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 54' 23.9"	76° 59' 42.7"	Concrete	227	Chain	6.1	20	2
C-24b	7004.310	C51	Pointe Indian Spar Buoy C51	QC	1552	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 54' 25.8"	76° 59' 50.46"	Concrete	227	Chain	6.1	20	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-24b	7004.315	C52	Spar Buoy C52	QC	1552	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.70	45° 54' 37.3"	77° 0' 15.7"	Concrete	227	Chain	7.6	20	2
C-24b	7004.320	C53	Spar Buoy C53	QC	1552	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.60	45° 54' 43.38"	77° 1' 10.2"	Concrete	227	Chain	7.6	20	2
C-24b	7004.325	C54	Spar Buoy C54	QC	1552	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.30	45° 54' 34.2"	77° 1' 51"	Concrete	227	Chain	9.1	20	2
C-24b	7004.330	C54/2	Spar Buoy C54/2	QC	1552	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.60	45° 54' 35.58"	77° 2' 1.38"	Concrete	227	Chain	6.1	20	2
C-24b	7004.335	C55	Spar Buoy C55	QC	1552	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.50	45° 54' 47.8"	77° 3' 53.4"	Concrete	227	Chain	6.1	20	2
C-24b	7004.340	C56	Spar Buoy C56	QC	1552	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.60	45° 54' 51.9"	77° 4' .6"	Concrete	227	Chain	6.1	20	2
C-24b	7004.345	C57	Spar Buoy C57	QC	1552	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.60	45° 54' 52.62"	77° 4' 14.28"	Concrete	227	Chain	6.1	20	2
C-24b	7004.355	C67	Spar Buoy C67	QC	1552	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.60	45° 54' 58.14"	77° 7' 13.44"	Concrete	227	Chain	6.1	20	2
C-24b	7004.360	C59	Spar Buoy C59	QC	1552	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.70	45° 54' 49.5"	77° 4' 57.12"	Concrete	227	Chain	6.1	20	2
C-24b	7004.365	C61	Spar Buoy C61	QC	1552	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	45° 54' 43.38"	77° 5' 15.36"	Concrete	227	Chain	6.1	20	2
C-24b	7004.370	C62	Spar Buoy C62	QC	1552	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 54' 50.4"	77° 6' 13.5"	Concrete	227	Chain	6.1	20	2
C-24b	7004.375	C64	Spar Buoy C64	QC	1552	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.70	45° 54' 48.3"	77° 6' 30"	Concrete	227	Chain	6.1	20	2
C-24b	7004.380	C66	Spar Buoy C66	QC	1552	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.60	45° 54' 51"	77° 6' 42.8"	Concrete	227	Chain	6.1	20	2
C-24b	7004.390	C68	Spar Buoy C68	QC	1552	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 55' 0"	77° 7' 13.2"	Concrete	227	Chain	6.1	20	2
C-24b	7605.000	K20	K20	ON	1551	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.10	45° 27' 18.9"	76° 19' 33.2"	Concrete	227	Chain	9.1	20	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-24b	7606.000	K21	K21	ON	1551	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	45° 26' 53.2"	76° 20' 7.1"	Concrete	227	Chain	9.1	20	2
C-24b	7607.000	K22	K22	QC	1551	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	45° 28' 44.1"	76° 24' 33.7"	Concrete	227	Chain	9.1	20	2
C-24b	7608.000	K24	K24	QC	1551	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	45° 28' 58"	76° 24' 52.6"	Concrete	227	Chain	9.1	20	2
C-24b	7609.000	K26	K26	QC	1551	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.00	45° 29' 46.2"	76° 25' 32.2"	Concrete	227	Chain	9.1	20	2
C-24b	7610.000	K28	K28	QC	1551	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	45° 30' 22"	76° 25' 55.9"	Concrete	227	Chain	9.1	20	2
C-24b	7611.000	K30	K30	QC	1551	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 31' 1.5"	76° 31' 1.5"	Concrete	227	Chain	6.1	20	2
C-24b	7612.000	K31	K31	ON	1551	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	45° 31' .2"	76° 31' 3.5"	Concrete	227	Chain	9.1	20	2
C-24b	7613.000	K33	K33	QC	1551	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	8.00	45° 31' 27.8"	76° 33' 24.9"	Concrete	227	Chain	12.2	14	2
C-24b	7614.000	K34	K34	QC	1551	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	45° 31' 50.6"	76° 34' 20.9"	Concrete	227	Chain	7.6	20	2
C-24b	7614.100	P2	Spar Buoy P2	QC	1551	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 31' 58.74"	76° 35' 19.38"	Concrete	227	Chain	4.6	20	2
C-24b	7614.120	P4	Spar Buoy P4	QC	1551	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.70	45° 31' 56.6"	76° 36' 8.8"	Concrete	227	Chain	6.1	20	2
C-24b	7614.140	P6	Spar Buoy P6	ON	1551	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.70	45° 32' 26.04"	76° 37' 47.7"	Concrete	227	Chain	13.7	14	2
C-24b	7614.150	P1	Spar Buoy P1	ON	1551	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.60	45° 32' 27.42"	76° 37' 51.48"	Concrete	227	Chain	9.1	20	2
C-24b	7614.170	P5	Spar Buoy P5	QC	1551	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.50	45° 33' 17.8"	76° 39' 1.8"	Concrete	227	Chain	6.1	20	2
C-24b	7614.180	P7	Spar Buoy P7	QC	1551	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.50	45° 33' 22.86"	76° 39' 11.202"	Concrete	227	Chain	4.6	20	2

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-24b	7614.190	P10	Spar Buoy P10	QC	1551	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.70	45° 33' 26.82"	76° 39' 11.328"	Concrete	227	Chain	4.6	20	2
C-24b	7614.195	P8	Spar Buoy P8	QC	1551	Unlit	0.3m Spar Conical (ORT)	80	Plastic	Red			45° 33' 13.5"	76° 38' 53.88"			Chain	4.6	20	1
C-24b	7614.200	P9	Spar Buoy P9	QC	1551	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.70	45° 34' 39.2"	76° 39' 58.3"	Concrete	227	Chain	4.6	20	2
C-24b	7614.210	P12	Spar Buoy P12	QC	1551	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.50	45° 34' 50.46"	76° 39' 51.72"	Concrete	227	Chain	6	20	2
C-24b	7614.220	P11	Spar Buoy P11	QC	1551	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.40	45° 34' 55.7"	76° 39' 50.1"	Concrete	227	Chain	6.1	20	2
C-24c	7615.000	K39	K39	ON	1553	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	45° 50' 43.9"	77° 9' 6.8"	Concrete	227	Chain	12.2	14	2
C-24c	7616.000	K40	K40	ON	1553	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	8.00	45° 50' 46.7"	77° 9' 4.6"	Concrete	227	Chain	13.7	14	2
C-24c	7616.101	K40/2	K40/2	ON	1553	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 50' 56.16"	77° 9' 25.26"	Concrete	227	Chain	6.1	20	2
C-24c	7617.000	K41	K41	ON	1553	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.10	45° 51' 2"	77° 8' 58.3"	Concrete	227	Chain	9.1	20	2
C-24c	7618.000	K42	K42	QC	1553	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 51' 29.2"	77° 9' 31.02"	Concrete	227	Chain	9.1	20	2
C-24c	7619.000	K43	K43	ON	1553	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	45° 52' 9.18"	77° 11' 50.1"	Concrete	227	Chain	9.1	20	2
C-24c	7620.000	K44	K44	QC	1553	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.00	45° 52' 22"	77° 11' 52.4"	Concrete	227	Chain	9.1	20	2
C-24c	7621.000	K45	K45	QC	1553	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 52' 35.9"	77° 12' 8.2"	Concrete	227	Chain	6.1	20	2
C-24c	7622.000	K46	K46	QC	1553	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 52' 37.5"	77° 12' 5.5"	Concrete	227	Chain	7.6	20	2
C-24c	7623.000	K47	K47	ON	1553	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 53' 59.3"	77° 13' 35.8"	Concrete	227	Chain	6.1	20	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-24c	7624.000	K47/1	K47/1	ON	1553	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	45° 54' .72"	77° 13' 40.5"	Concrete	227	Chain	6.1	20	2
C-24c	7625.000	K48	K48	ON	1553	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 54' .8"	77° 13' 33.6"	Concrete	227	Chain	6.1	20	2
C-24c	7626.000	K48/2	K48/2	ON	1553	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	45° 54' 1.32"	77° 13' 38.76"	Concrete	227	Chain	4.6	20	2
C-24c	7627.000	K49	K49	ON	1553	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	45° 54' .708"	77° 13' 46.036"	Concrete	227	Chain	9.1	20	2
C-24c	7628.000	K50	K50	ON	1553	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 54' 2.4"	77° 13' 45.7"	Concrete	227	Chain	6.1	20	2
C-24c	7629.000	K51	K51	ON	1553	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 54' 18.208"	77° 14' 19.038"	Concrete	227	Chain	6.1	20	2
C-24c	7630.000	K52	K52	ON	1553	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 54' 18.5"	77° 14' 18.2"	Concrete	227	Chain	6.1	20	2
C-24c	7631.000	K53	K53	ON	1553	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	2.00	45° 54' 27.96"	77° 14' 39.6"	Concrete	227	Chain	6.1	20	2
C-24c	7632.000	K54	K54	ON	1553	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.00	45° 54' 29"	77° 14' 37.6"	Concrete	227	Chain	6.1	20	2
C-24c	7633.000	K56	K56	ON	1553	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	45° 54' 35"	77° 14' 54.4"	Concrete	227	Chain	3	20	2
C-24c	7634.000	K57	K57	ON	1553	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	45° 54' 41.5"	77° 14' 58.3"	Concrete	227	Chain	6.1	20	2
C-24c	7635.000	K59	K59	ON	1553	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.00	45° 54' 51.5"	77° 15' 8.2"	Concrete	227	Chain	7.6	20	2
C-24c	7636.000	K60	K60	ON	1553	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	45° 54' 54.9"	77° 15' 8"	Concrete	227	Chain	9.1	14	2
C-24c	7637.000	K62	K62	ON	1553	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	6.00	45° 55' 19"	77° 15' 24.2"	Concrete	227	Chain	9.1	20	2
C-24c	7638.000	K63	K63	ON	1553	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	7.00	45° 55' 18.2"	77° 15' 37"	Concrete	227	Chain	9.1	20	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-24c	7639.000	K65	K65	ON	1553	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	45° 55' 37.9"	77° 15' 28.8"	Concrete	227	Chain	6.1	20	2
C-24c	7640.000	K66	K66	QC	1553	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	9.00	45° 56' 28.2"	77° 16' 29.4"	Concrete	227	Chain	12.2	20	2
C-24c	7641.000	K66/2	K66/2	QC	1553	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	12.00	45° 56' 40"	77° 16' 28.8"	Concrete	227	Chain	13.7	14	2
C-24c	7642.000	K68	K68	QC	1553	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	10.00	45° 58' 16.9"	77° 17' .7"	Concrete	227	Chain	9.1	20	2
C-24c	7642.250	K70	K70	QC	1553	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	8.00	46° 1' 33.3"	77° 18' 13.92"	Concrete	227	Chain	9.1	20	2
C-24d	7643.000	K76	K76	QC	1554	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	8.00	46° 11' 57.12"	77° 47' 8.64"	Concrete	227	Chain	9.1	20	2
C-24d	7644.000	K77	K77	ON	1554	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	46° 12' 4.68"	77° 49' 25.56"	Concrete	227	Chain	9.1	20	2
C-24d	7645.000	K79	K79	QC	1554	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.60	46° 13' 11.04"	77° 54' .18"	Concrete	227	Chain	9.1	20	2
C-24d	7647.000	K82	K82	ON	1554	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.60	46° 14' 23.3"	78° 2' 5.8"	Concrete	227	Chain	7.6	20	2
C-24d	7648.000	K84	K84	ON	1554	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	4.00	46° 13' 57.215"	78° 3' 49.146"	Concrete	227	Chain	6.1	20	2
C-24d	7650.000	K89	K89	QC	1554	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.00	46° 16' 30.7"	78° 9' 4.1"	Concrete	227	Chain	6.1	20	2
C-24d	7651.000	K90	K90	QC	1554	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	5.20	46° 16' 24.36"	78° 13' 42.12"	Concrete	227	Chain	6.1	20	2
C-24d	7652.000	K93	K93	ON	1554	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	5.80	46° 15' 19.74"	78° 17' 49.14"	Concrete	227	Chain	7.6	20	2
C-24d	7653.000	K94	K94	ON	1554	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	8.20	46° 17' .18"	78° 22' 21.72"	Concrete	227	Chain	9.1	20	2
C-24d	7654.000	K95	K95	ON	1554	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	6.40	46° 17' 59.9"	78° 31' 30.5"	Concrete	227	Chain	9.1	20	2

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-24d	7656.000	K98	K98	QC	1554	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	7.50	46° 18' 54.6"	78° 34' 45.8"	Concrete	227	Chain	6.1	20	2
C-24d	7657.000	K100	K100	ON	1554	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	46° 19' 5.6"	78° 40' 47.3"	Concrete	227	Chain	6.1	20	2
C-24d	7658.000	K101	K101	ON	1554	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	3.00	46° 19' 10"	78° 41' 40.56"	Concrete	227	Chain	4.6	20	2
C-24d	7660.000	K103	K103	ON	1554	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	46° 19' 17.1"	78° 42' 5.9"	Concrete	227	Chain	7.6	20	2
C-24d	7663.000	K107	K107	ON	1554	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	4.00	46° 19' 20"	78° 42' 24.36"	Concrete	227	Chain	9.1	20	2
C-24d	7664.000	K108	K108	QC	1554	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.00	46° 19' 31.6"	78° 42' 36.9"	Concrete	227	Chain	4.6	20	2

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Rivière Outaouais Amont
Contract Area no.:	C-24,F, G
Province(s):	Quebec
Contract Area Description:	The Contract Area includes the Ottawa River between the communities of Gatineau, Qc. and Carillon, Qc. (F) The Contract Area includes the Ottawa River downstream of Carillon and Lac Des Deux-Montagnes (G)
Coast Guard Depot:	Sorel, Quebec
Commissioning date:	No later than May 25th
Decommissioning date:	No earlier than October 10th
Total no. of buoys:	70 : 31 (F), 39 (G)
Buoy size :	Varies, 0.75m to 1.5m diameter
Maximum anchor size (weight (kg)):	363 (F), 1814 (G)
Maximum buoy weight (kg) :	362 (F), 510 (G)
Maximum water depth (m) :	15.6 (F), 16.5 (G)
Operational Season:	May 01 to October 31th
Overview of work activities:	<p><u>Area F:</u> 29 buoys are seasonal; placed in the spring and removed in the fall. 2 buoys are replaced with a winter spar. 14 buoys have lanterns, the remainder are unlit.</p> <p><u>Area G:</u> 25 buoys are seasonal; placed in the spring and removed in the fall. 1 summer buoy is replaced with a winter spar. 13 buoys are in place year round; 7 buoys have lanterns, the remainder are unlit.</p> <p>At Commissioning, work includes placing of seasonal buoys, swop of winter spars for summer buoys as well as position verification, addition of lantern and, as required, tape & numbers for year round buoys.</p> <p>Decommissioning work includes lifting of seasonal buoys, swop of summer buoy for a winter spar and removal of 1 lantern from a year round buoy .</p> <p>Unscheduled work includes response to discrepancies during the operational season.</p>
Comment:	The river sections will be tendered as separate contracts.

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-24f	1266.000	H245	Bouée lumineuse H245; GRENVILLE	QC	1514	Night	1.2m MOBILIS 1200 heighten (2.3m).		Plastic/Steel	Green	Seasonal	7.30	45° 37' 25.164"	74° 36' 30.649"	Concrete	363	Chain	12.2	14	3
C-24f	1268.000	H247	Bouée lumineuse H247; GRENVILLE	QC	1514	Night	1.2m MOBILIS 1200 heighten (2.3m).		Plastic/Steel	Green	Seasonal	5.20	45° 37' 24.164"	74° 37' 5.65"	Concrete	363	Chain	12.2	14	3
C-24f	1270.500	H258	Bouée lumineuse H258	QC	1514	Night	1.2m MOBILIS 1200 heighten (2.3m).		Plastic/Steel	Red	Seasonal	11.60	45° 38' 14.565"	74° 38' 17.792"	Concrete	363	Chain	15.2	14	3
C-24f	1271.000	H259	Bouée lumineuse H259	QC	1514	Night	1.2m MOBILIS 1200 heighten (2.3m).		Plastic/Steel	Green	Seasonal	13.60	45° 38' 15.165"	74° 38' 46.654"	Concrete	363	Chain	18.3	14	3
C-24f	1283.100	H311	Bouée lumineuse H311; ILE STE-ROSALIE	ON	1514	Night	1.2m MOBILIS 1200 heighten (2.3m).		Plastic/Steel	Green	Seasonal	50.00	45° 38' 19.09"	74° 56' 59.03"	Concrete	363	Chain	30.5	14	3
C-24f	1288.500	H356	Bouée lumineuse H356; ILES THURSO	QC	1515	Night	1.2m MOBILIS 1200 heighten (2.3m).		Plastic/Steel	Red	Seasonal	7.60	45° 34' 44.88"	75° 9' 14.733"	Concrete	363	Chain	21.3	14	3
C-24f	1288.700	H361	Bouée lumineuse H361; ILE FER A CHEVAL	QC	1515	Night	1.2m MOBILIS 1200 heighten (2.3m).		Plastic/Steel	Green	Seasonal	7.90	45° 35' 10.18"	75° 10' 5.735"	Concrete	363	Chain	12.2	14	3
C-24f	1289.900	H373	Bouée lumineuse H373; ILE CLARENCE	QC	1515	Night	1.2m MOBILIS 1200 heighten (2.3m).		Plastic/Steel	Green	Seasonal	13.10	45° 35' 7.18"	75° 14' 18.746"	Concrete	363	Chain	18.3	14	3
C-24f	1291.100	H388	Bouée lumineuse H388; ROCKLAND	QC	1515	Night	1.2m MOBILIS 1200 heighten (2.3m).		Plastic/Steel	Red	Seasonal	7.10	45° 33' 11.08"	75° 18' 28.859"	Concrete	363	Chain	15.2	14	3
C-24f	1293.900	H424	Bouée lumineuse H424; BATTURES WAY	QC	1515	Night	1.2m MOBILIS 1200 heighten (2.3m).		Plastic/Steel	Red	Seasonal	4.60	45° 30' 7.203"	75° 31' 1.191"	Concrete	363	Chain	9.1	14	3
C-24f	1295.100	H435	Bouée lumineuse H435; BATTURES GREEN	ON	1515	Night	1.2m MOBILIS 1200 heighten (2.3m).		Plastic/Steel	Green	Seasonal	7.30	45° 28' 22.182"	75° 35' 40.806"	Concrete	363	Chain	9.1	14	3
C-24f	1295.600	KET	Bouée lumineuse de bifurcation KET	QC	1515	Night	1.5m Discus	215	Aluminum	Red-green-red	Seasonal	7.30	45° 28' 25.583"	75° 37' 23.81"	Concrete	363	Chain	12.2	14	3
C-24f	1296.200	OTT	Bouée lumineuse cardinale Sud OTT	QC	1515	Night	1.5m Discus	215	Aluminum	Yellow-black	Seasonal	4.90	45° 27' 48.083"	75° 40' 38.817"	Concrete	363	Chain	12.2	14	3
C-24f	1296.450	GAT	Bouée lumineuse de bifurcation GAT	QC	1515	Night	0.8m Spar Richelieu	362	Steel	Red-green-red	Seasonal	5.50	45° 27' 12"	75° 41' 35"	Serrated	363	Chain	9.1	14	3
C-24f	6258.500	H207	H207	ON	1514	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	15.60	45° 34' 42.362"	74° 26' 53.399"	Serrated	363	Chain	33.5	14	3
C-24f	6261.000	H224	H224	QC	1514	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal		45° 35' 40.02"	74° 31' 1.8"	Concrete	227	Chain	18.3	14	3
C-24f	6263.000	H235	H235	ON	1514	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	7.60	45° 36' 40.162"	74° 34' 51.646"	Concrete	227	Chain	12.2	14	3

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-24f	6266.500	H244	H244; GRENVILLE	QC	1514	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	6.40	45° 37' 28.164"	74° 36' 41.649"	Concrete	363	Chain	9.1	14	3
C-24f	6268.500	H248	H248; GRENVILLE	QC	1514	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	5.50	45° 37' 26.164"	74° 36' 58.65"	Concrete	363	Chain	9.1	14	3
C-24f	6269.000	H253	H253; GRENVILLE	ON	1514	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	6.70	45° 37' 45.765"	74° 37' 40.651"	Concrete	227	Chain	9.1	14	3
C-24f	6272.500	H265	H265	ON	1514	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	4.60	45° 37' 52.166"	74° 40' 37.658"	Serrated	363	Chain	13.7	14	3
C-24f	6273.000	H266	H266	ON	1514	Unlit	1.2m MOBILIS 1200 heighten (2.3m).		Plastic/Steel	Red	Seasonal	11.90	45° 37' 52.68"	74° 41' 28.62"	Concrete	363	Chain	15.2	14	3
C-24f	6276.600	H282	H282	QC	1514	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	5.80	45° 38' 26.17"	74° 47' 5.673"	Concrete	363	Chain	7.6	14	3
C-24f	6283.400	H314	H314	ON	1514	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	9.80	45° 37' 27.476"	74° 58' 3.405"	Concrete	363	Chain	21.3	14	3
C-24f	6285.100	H331	H331; LA GRANDE PRESQU'ILE	ON	1514	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	14.00	45° 35' 32.877"	75° 2' 19.619"	Concrete	363	Chain	27.4	14	3
C-24f	6285.900	H341	H341; LA GRANDE PRESQU'ILE	QC	1515	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	13.40	45° 35' 23.178"	75° 4' 25.724"	Concrete	363	Chain	24.4	14	3
C-24f	6286.700	H351	H351	ON	1515	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	5.20	45° 34' 31.179"	75° 7' 23.73"	Concrete	363	Chain	9.1	14	3
C-24f	6289.400	H367	H367	QC	1515	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	8.30	45° 35' 15.88"	75° 12' 8.34"	Concrete	363	Chain	10.7	14	3
C-24f	6293.600	H423	H423; BATTURES WAY	QC	1515	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	6.70	45° 30' 11.365"	75° 30' 43.79"	Concrete	363	Chain	9.1	14	3
C-24f	6294.000	H426	H426; BATTURES WAY	QC	1515	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	7.00	45° 29' 42.183"	75° 31' 53.794"	Concrete	363	Chain	12.2	14	3
C-24f	6295.500	H441	H441; UPPER DUCK ISLAND	QC	1515	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	4.60	45° 28' 17.183"	75° 37' 20.81"	Concrete	363	Chain	9.1	14	3
C-24g	1232.000	H19	Bouée lumineuse H19	QC	1510	Night	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	3.70	45° 25' 26.58"	73° 59' 11.95"	Serrated	567	Chain	9.1	14	3
C-24g	1233.300	CAD	Bouée lumineuse de bifurcation CAD	QC	1510	Night	1.5m Discus	215	Aluminum	Red-green-red	Seasonal	4.00	45° 26' 23.4453"	74° 0' 17.8684"	Concrete	363	Chain	9.1	14	3
C-24g	1242.550	H33	Bouée lumineuse H33; POINTE CADIEUX	QC	1510	Night	1.5m Discus	215	Aluminum	Green	Seasonal	4.00	45° 26' 38.58"	74° 2' 23.11"	Serrated	363	Chain	9.1	14	3
C-24g	1244.800	H87	Bouée lumineuse H87; BATTURES DU CORBEAU	QC	1510	Night	1.5m Discus	215	Aluminum	Green	Seasonal	15.20	45° 28' 49.86"	74° 9' 51"	Serrated	363	Chain	18.3	14	3
C-24g	6232.200	H22	H22; ILE AUX TOURTES	QC	1510	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	4.60	45° 25' 28.2"	73° 59' 8.34"	Serrated	363	Chain	9.1	14	3
C-24g	6233.400	H24	H24; ILE AUX TOURTES	QC	1510	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	2.10	45° 25' 35.4"	73° 59' 18.3"	Concrete	363	Chain	6.1	14	3

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-24g	6242.510	H32	H32;POINTE-AUX-BLEUETS	QC	1510	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	2.40	45° 26' 42.9"	74° 1' 14.16"	Concrete	363	Chain	9.1	14	3
C-24g	6242.560	ANSE	Bouée cardinale Nord ANSE	QC	1510	Unlit	0.6m Spar Conical (Short)	510	Steel	Black-yellow	Seasonal	2.40	45° 26' 24.416"	74° 1' 58.823"	Serrated	567	Chain	9.1	14	3
C-24g	6242.600	VAU	Bouée cardinale Ouest VAU	QC	1510	Unlit	1.5m Discus	215	Aluminum	Yellow-black-yellow	Seasonal	2.10	45° 26' 19.541"	74° 2' 18.887"	Concrete	363	Chain	9.1	14	3
C-24g	6242.700	RIT	RIT;BAIE DES INDIENS	QC	1510	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Yellow	Seasonal	1.90	45° 28' 30.84"	74° 8' 12.01"	Concrete	363	Chain	6.1		3
C-24g	6242.900	HUD	Bouée cardinale Nord HUD	QC	1510	Unlit	1.5m Discus	215	Aluminum	Black-yellow	Seasonal	6.10	45° 28' 29.6"	74° 9' 20.48"	Serrated	363	Chain	12.2	14	3
C-24g	6243.000	H98	H98;ST-PLACIDE	QC	1510	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	13.70	45° 30' 10.99"	74° 11' 55.41"	Concrete	363	Chain	18.3	14	3
C-24g	6244.000	H109	H109;ILE HAY	QC	1510	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	16.50	45° 30' 37.65"	74° 13' 10.2"	Serrated	363	Chain	21.3	14	3
C-24g	6246.000	H123	H123;NORD ILE CARILLON	QC	1510	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	5.80	45° 31' 20.9"	74° 15' 15.83"	Serrated	363	Chain	9.1	14	3
C-24g	6247.000	H117	H117; ILE DE CARILLON	QC	1510	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	4.60	45° 31' 8.27"	74° 14' 21.85"	Serrated	363	Chain	9.1	14	3
C-24g	6249.400	H128	H128; COURBE DE L'ILE DE CARILLON	QC	1510	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	10.10	45° 31' 25.24"	74° 16' 9.77"	Serrated	363	Chain	15.2	14	3
C-24g	6250.000	H138	H138; ILE JONES	QC	1510	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.20	45° 31' 18.55"	74° 16' 37.81"	Serrated	567	Chain	12.2	14	3
C-24g	6250.500	H145	H145;NORD ILE CARILLON	QC	1510	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	10.70	45° 31' 14.47"	74° 16' 45.37"	Serrated	363	Chain	15.2	14	3
C-24g	6251.000	H148	H148; ILE JONES	QC	1510	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	3.70	45° 31' 14.03"	74° 16' 57.6"	Concrete	227	Chain	6.1	14	3
C-24g	6251.200	H159	H159; ILE DE CARILLON	QC	1510	Unlit	0.6m Spar Can (Short)	510	Steel	Green	Seasonal (in place year round)	9.40	45° 30' 50.77"	74° 17' 58.98"	Serrated	567	Chain	15.2	14	3
C-24g	6251.500	H163	H163; BAIE DE CARILLON	QC	1510	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	7.30	45° 30' 36.71"	74° 18' 24.02"	Serrated	363	Chain	12.2	14	3
C-24g	6251.700	HAY	HAY	QC	1510	Unlit	1.5m Discus	215	Aluminum	Yellow	Seasonal	4.60	45° 30' 41.82"	74° 13' 42.9"	Serrated	363	Chain	7.6	14	3
C-24g	6251.750	PEL	PEL;ILES PELLEY	QC	1510	Unlit	1.5m Discus	215	Aluminum	Yellow	Seasonal	3.00	45° 30' 24.72"	74° 14' 7.38"	Serrated	363	Chain	6.1	14	3
C-24g	6251.920	HJ41	HJ41; ILE DE CARILLON	QC	1510	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	7.60	45° 30' 20.58"	74° 15' 41.28"	Serrated	363	Chain	12.2	14	3
C-24g	6251.990	CAR	CAR;SUD ILE DE CARILLON	QC	1510	Unlit	1.5m Discus	215	Aluminum	Yellow	Seasonal	10.10	45° 30' 20.55"	74° 18' 31.12"	Serrated	363	Chain	15.2	14	3
C-24g	6252.000	RIG	RIG;SUD ILE DE CARILLON	QC	1510	Unlit	1.5m Discus	215	Aluminum	Yellow	Seasonal	6.10	45° 30' 13.1975"	74° 18' 34.4994"	Serrated	363	Chain	12.2	14	3
C-24g	6254.000	H183	H183; BAIE DES SOEURS	QC	1510	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	11.00	45° 33' 4.05"	74° 21' 32.82"	Concrete	227	Chain	15.2	14	3

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-24g	6254.100	H197	H197; ECLUSE DE CARILLON	QC	1510	Unlit	1.2m Coastal Can	249	Steel	Green	Seasonal (in place year round)	14.60	45° 33' 50.15"	74° 22' 29.62"	Serrated	1814	Chain	27.4	20	3
C-24g	6254.200	H198	H198;ÉCLUSES DE CARILLON	QC	1510	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	2.00	45° 33' 56.33"	74° 22' 32.88"	Serrated	363	Chain	6.1	14	3
C-24g	1229.200	H2	Bouée lumineuse H2	QC	1510	Night	1.2m MOBILIS 1200 heighten (2.3m).		Plastic/Steel	Red	Seasonal	3.10	45° 24' 29.118"	73° 57' 42.921"	Serrated	363	Chain	6.1	14	3
C-24g	1230.000	H12	Bouée lumineuse H12	QC	1510	Night	1.2m MOBILIS 1200 heighten (2.3m).		Plastic/Steel	Red	Seasonal	2.80	45° 24' 49.765"	73° 58' 21.61"	Serrated	363	Chain	6.1	14	3
C-24g	1230.500	H15	Bouée lumineuse H15	QC	1510	Night	1.2m MOBILIS 1200 heighten (2.3m).		Plastic/Steel	Green	Seasonal	2.60	45° 24' 53.249"	73° 58' 33.483"	Serrated	363	Chain	6.1	14	3
C-24g	6229.300	H3	H3; COURBE STE-ANNE-DE-BELLEVUE	QC	1510	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	3.20	45° 24' 30.959"	73° 57' 48.965"	Serrated	363	Chain	6.1	14	3
C-24g	6229.400	H4	H4; COURBE STE-ANNE-DE-BELLEVUE	QC	1510	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	3.10	45° 24' 35.694"	73° 57' 55.543"	Serrated	363	Chain	6.1	14	3
C-24g	6229.500	H5	H5; COURBE STE-ANNE-DE-BELLEVUE	QC	1510	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	3.00	45° 24' 35.06"	73° 57' 56.761"	Serrated	363	Chain	6.1	14	3
C-24g	6229.600	H6	H6; COURBE STE-ANNE-DE-BELLEVUE	QC	1510	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	3.00	45° 24' 40.478"	73° 58' 4.468"	Serrated	363	Chain	6.1	14	3
C-24g	6229.700	H7	H7; COURBE STE-ANNE-DE-BELLEVUE	QC	1510	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	2.80	45° 24' 42.057"	73° 58' 9.825"	Serrated	363	Chain	6.1	14	3
C-24g	6229.800	H8	H8; COURBE STE-ANNE-DE-BELLEVUE	QC	1510	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	2.50	45° 24' 45.524"	73° 58' 13.749"	Serrated	363	Chain	6.1	14	3
C-24g	6229.900	H9	H9;COURBE STE-ANNE-DE-BELLEVUE	QC	1510	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	3.00	45° 24' 44.908"	73° 58' 15.864"	Concrete	363	Chain	6.1	14	3

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Lac des Deux-Montagnes et Rivière des Prairies
Contract Area no.:	C-25
Province(s):	Quebec
Contract Area Description:	The Contract Area includes Lac des Deux-Montagnes and Rivière des Prairies upstream of Barrage de la Rivière-des-Prairies
Coast Guard Depot:	Sorel, Quebec
Commissioning date:	No later than May 15th
Decommissioning date:	No earlier than October 10th
Total no. of buoys:	93
Buoy size :	Varies, 0.3m to 1.5m diameter
Maximum anchor size (weight (kg)):	907
Maximum buoy weight (kg) :	1811
Maximum water depth (m) :	31.9
Operational Season:	May 01 to October 31th
Overview of work activities:	<p>85 buoys are seasonal; seasonal buoys are placed in the spring and removed in the fall. 3 summer buoys are replaced with a winter spar.</p> <p>5 buoys are in place year round. 65 buoys have lanterns, the remainder are unlit.</p> <p>At Commissioning, work includes placing of seasonal buoys, swop of winter spars for summer buoys, position verification, addition of lantern and, as required, tape & numbers for year round buoys.</p> <p>Decommissioning work includes lifting of seasonal buoys, swop of summer buoys for winter spars and removal of 2 lanterns from a year round buoy.</p> <p>Unscheduled work includes response to discrepancies during the operational season.</p>
Comment:	

Appendix C.2, Central and Arctic Region

BUOY DATA

															Anchor		Mooring			
Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Type	Size (kg)	Type	Length (m)	Size (mm)	Importance
C-25	6183.500	HC17	HC17; ILE PATON	QC	1509	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	7.00	45° 31' 19.778"	73° 44' 41.641"	Serrated	227	Chain	9.1	14	3
C-25	6183.510	HC19	HC19; ILE PATON	QC	1509	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	6.00	45° 31' 9.804"	73° 45' 4.601"	Serrated	136	Chain	9.1	14	3
C-25	6183.520	HC21	HC21; ILE AUX CHATS	QC	1509	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.20	45° 30' 57.888"	73° 45' 28.457"	Serrated	136	Chain	9.1	14	3
C-25	6183.530	HC22	HC22	QC	1509	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	2.00	45° 31' 2.329"	73° 48' 32.102"	Serrated	227	Chain	9.1	14	3
C-25	6183.540	HC23	HC23;RAPIDES DU CHEVAL BLANC	QC	1509	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	4.60	45° 31' 3"	73° 49' 33"	Serrated	363	Chain	9.1	14	3
C-25	6183.661	HC41	HC41;RAPIDES DU CHEVAL BLANC	QC	1509	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	4.40	45° 31' 3.882"	73° 50' 29.28"	Serrated	363	Chain	9.1	14	3
C-25	6183.662	HC42	HC42;RAPIDES DU CHEVAL BLANC	QC	1509	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	2.50	45° 31' 4.923"	73° 50' 28.96"	Serrated	363	Chain	9.1	14	3
C-25	6183.663	HC47	HC-47	QC	1509	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	3.40	45° 30' 36.29"	73° 51' 11.14"	Serrated	227	Chain	9.1	14	3
C-25	6183.664	HC44	HC44;RAPIDES DU CHEVAL BLANC	QC	1509	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	5.70	45° 31' 6.24"	73° 50' 43.5"	Serrated	363	Chain	12.2	14	3
C-25	6183.666	HC46	HC46; RAPIDES DU CHEVAL BLANC	QC	1509	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	3.00	45° 30' 42.299"	73° 51' 7.49"	Serrated	227	Chain	9.1	14	3
C-25	6183.670	HC48	HC-48; ILE BUSHY	QC	1509	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	5.60	45° 30' 36.478"	73° 51' 12.487"	Serrated	227	Chain	9.1	14	3
C-25	6183.680	HC50	HC-50; ILE BUSHY	QC	1509	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	3.00	45° 30' 31.077"	73° 51' 26.301"	Serrated	227	Chain	6.1	14	3
C-25	6183.690	HC51	HC-51; ILE BUSHY	QC	1509	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	5.20	45° 30' 25.8"	73° 51' 31.2"	Serrated	227	Chain	9.1	14	3
C-25	6183.702	HC55	HC-55	QC	1509	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	2.00	45° 30' 10.378"	73° 51' 33.498"	Serrated	227	Chain	7.6	14	3
C-25	6183.710	HC57	HC57; ILE JASMIN	QC	1509	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	4.00	45° 30' 1.577"	73° 51' 44.849"	Serrated	227	Chain	9.1	14	3
C-25	6183.711	HC58	HC-58	QC	1509	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	4.00	45° 29' 59.601"	73° 51' 45.961"		227	Chain	7.6	14	3
C-25	6183.720	HC59	HC59; ILE JASMIN	QC	1509	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	2.50	45° 29' 57.629"	73° 51' 43.076"	Serrated	227	Chain	7.6	14	3
C-25	6183.730	HC62	HC62; ILE JASMIN	QC	1509	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	4.00	45° 29' 49.74"	73° 51' 35.002"	Concrete	227	Chain	7.6	14	3
C-25	6183.740	HC63	HC63; ILE MENARD	QC	1509	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	3.00	45° 29' 30.532"	73° 51' 39.095"	Serrated	227	Chain	7.6	14	3
C-25	6183.744	HC64	HC-64	QC	1509	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	2.00	45° 29' 31.239"	73° 51' 40.206"	Serrated	227	Chain	7.6	14	3

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-25	6183.765	HC70	HC70	QC	1509	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	3.00	45° 29' 11.595"	73° 52' 12.279"	Concrete	363	Chain	9.1	14	3
C-25	6183.770	HC71	HC71	QC	1509	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	3.00	45° 29' 10.943"	73° 52' 11.423"	Concrete	363	Chain	9.1	14	3
C-25	6183.771	HC73	HC-73	QC	1509	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	3.00	45° 29' 9.594"	73° 52' 13.149"	Serrated	363	Chain	9.1	14	3
C-25	6183.780	HC74	HC74; ILE MERCIER	QC	1509	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	3.00	45° 29' 5.755"	73° 52' 17.723"	Concrete	227	Chain	9.1	14	3
C-25	6183.800	HC78	HC78; ILE MERCIER	QC	1509	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	3.00	45° 28' 54.161"	73° 52' 22.033"	Serrated	227	Chain	9.1	14	3
C-25	6183.820	HC82	HC82	QC	1509	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	3.00	45° 28' 48.6"	73° 52' 31.2"	Concrete	227	Chain	9.1	14	3
C-25	6183.830	HC85	HC85	QC	1509	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	6.00	45° 28' 37.776"	73° 52' 42.872"	Concrete	227	Chain	9.1	14	3
C-25	6183.840	HC86	HC86	QC	1509	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	2.40	45° 28' 37.366"	73° 52' 47.704"	Concrete	227	Chain	9.1	14	3
C-25	6183.850	HC89	HC89	QC	1509	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.30	45° 28' 34.771"	73° 52' 53.515"	Concrete	136	Chain	7.6	14	3
C-25	6183.860	HC90	HC90	QC	1509	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.00	45° 28' 34.617"	73° 52' 57.703"	Concrete	136	Chain	7.6	14	3
C-25	6183.870	HC94	HC94	QC	1509	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	4.00	45° 28' 27.41"	73° 53' 8.951"	Concrete	136	Chain	9.1	14	3
C-25	6183.890	HC101	HC101	QC	1509	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	2.70	45° 28' 24.719"	73° 53' 9.285"	Concrete	136	Chain	9.1	14	3
C-25	6183.940	HC113	HC113	QC	1509	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.00	45° 28' 14.612"	73° 53' 25.137"	Concrete	136	Chain	9.1	14	3
C-25	6183.950	HC114	HC114	QC	1509	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	2.00	45° 28' 13.123"	73° 53' 31.107"	Concrete	136	Chain	9.1	14	3
C-25	6183.955	HC119	HC-119	QC	1509	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	1.80	45° 28' 2.672"	73° 53' 52.552"	Serrated	363	Chain	9.1	14	3
C-25	6183.970	HC126	HC126	QC	1509	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	1.50	45° 27' 51.9"	73° 54' 46.26"	Serrated	363	Chain	9.1	14	3
C-25	7311.310	MU11	MU11; ILE BOURDON	QC	1509	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	3.00	45° 42' 18"	73° 28' 46.8"	Concrete	136	Chain	7.6	14	3
C-25	7311.311	MU9	MU9; ILE A L'AIGLE	QC	1509	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.00	45° 42' 21"	73° 28' 36.6"	Concrete	136	Chain	7.6	14	3
C-25	7311.312	MU12	MU12; ILE BOURDON	QC	1509	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	8.80	45° 42' 8.82"	73° 29' 16.08"	Concrete	136	Chain	12.2	14	3
C-25	7311.313	MU13	MU13; ILE BOURDON	QC	1509	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	6.10	45° 42' 7.98"	73° 29' 15.66"	Serrated	136	Chain	10.7	14	3
C-25	7311.315	MU15	MU15; ILE BONFOIN	QC	1509	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	5.50	45° 42' 4.5"	73° 29' 24.24"	Serrated	136	Chain	9.1	14	3
C-25	7311.316	MU16	MU16; ILE BONFOIN	QC	1509	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	6.70	45° 42' 4.86"	73° 29' 24.72"	Serrated	136	Chain	12.2	14	3
C-25	7311.317	MU17	MU17; ILE BONFOIN	QC	1509	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	6.70	45° 42' 1.8"	73° 29' 30.12"	Serrated	136	Chain	7.6	14	3

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-25	7311.318	MU18	MU18; ILE BONFOIN	QC	1509	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	4.60	45° 42' 2.28"	73° 29' 30.54"	Serrated	136	Chain	7.6	14	3
C-25	7311.319	MU19	MU19; ILE BONFOIN	QC	1509	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	6.40	45° 41' 56.67"	73° 29' 42.228"	Concrete	136	Chain	7.6	14	3
C-25	7311.320	MU20	MU20; ILE BONFOIN	QC	1509	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	6.40	45° 41' 57.48"	73° 29' 42.66"	Concrete	136	Chain	7.6	14	3
C-25	7311.321	MU21	MU21; ILE BONFOIN	QC	1509	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	7.30	45° 41' 55.2"	73° 29' 59.4"	Serrated	136	Chain	6.1	14	3
C-25	7311.322	MU22	MU22; ILE BONFOIN	QC	1509	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	6.40	45° 41' 57"	73° 29' 58.5"	Serrated	136	Chain	10.7	14	3
C-25	7311.400	MU25	MU25; ILE BONFOIN	QC	1509	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	5.50	45° 42' 6"	73° 30' 16.8"	Serrated	136	Chain	10.7	14	3
C-25	7311.431	MU31	MU31; ILE BONFOIN	QC	1509	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	3.00	45° 41' 32.52"	73° 31' 35.16"	Concrete	136	Chain	7.6	14	3
C-25	7311.437	MU37	MU37	QC	1509	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	4.00	45° 40' 43.407"	73° 32' 18.124"	Serrated	227	Chain	6.1	14	3
C-25	7311.443	MU43	MU43	QC	1509	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	4.40	45° 40' 27.234"	73° 32' 52.654"	Concrete	136	Chain	9.1	14	3
C-25	7311.461	MU61	MU-61	QC	1509	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	2.30	45° 39' 35.73"	73° 34' 43.639"	Serrated	227	Chain	7.6	14	3
C-25	7311.462	MU62	MU-62	QC	1509	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	3.00	45° 39' 38.206"	73° 34' 41.787"	Serrated	136	Chain	7.6	14	3
C-25	7311.463	MU63	MU-63	QC	1509	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	3.00	45° 39' 28.439"	73° 35' 3.801"	Serrated	136	Chain	7.6	14	3
C-25	7311.464	MU64	MU-64	QC	1509	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	3.00	45° 39' 29.566"	73° 35' 4.668"	Concrete	136	Chain	7.6	14	3
C-25	7311.465	MU65	MU-65	QC	1509	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	1.70	45° 39' 15.976"	73° 35' 22.727"	Serrated	136	Chain	6.1	14	3
C-25	2311.000	AIGLO	Bouée lumineuse de bifurcation AIGLO	QC	1310	Night	1.5m Discus	215	Aluminum	Red-green-red	Seasonal	6.40	45° 42' 26.4"	73° 28' 25.2"	Serrated	363	Chain	9.1	14	3
C-25	2311.200	MV28	Bouée lumineuse MV28; BOUT DE L'ILE	QC	1310	Night	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	8.00	45° 42' 5.4"	73° 28' 33.6"	Serrated	227	Chain	12.2	14	3
C-25	7310.930	MV25	MV25; ILE A L'AIGLE	QC	1310	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	8.20	45° 42' 24"	73° 28' 18"	Serrated	363	Chain	9.1	14	3
C-25	7311.100	MV27	MV27; ILE A L'AIGLE	QC	1310	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	7.00	45° 42' 12"	73° 28' 26.4"	Serrated	227	Chain	9.1	14	3
C-25	1233.550	BAR	Bouée lumineuse cardinale Sud BAR	QC	1510	Night	0.6m Spar Can (Short)	510	Steel	Yellow-black	Seasonal (in place year round)	3.70	45° 27' 19.37"	74° 0' 7.36"	Serrated	567	Chain	9.1	14	3
C-25	1234.600	HD98	Bouée lumineuse HD98;LA GOELETTE	QC	1510	Night	0.6m Spar Conical (Short)	510	Steel	Red	Seasonal (in place year round)	2.70	45° 28' 4.7"	73° 58' 51.61"	Serrated	567	Chain	9.1	14	3

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-25	1236.400	HD73	Bouée lumineuse HD73;POINTE CALUMET	QC	1510	Night	1.5m Discus	215	Aluminum	Green	Seasonal	1.50	45° 29' 40.04"	73° 57' 5.3"	Serrated	363	Chain	6.1	14	3
C-25	6233.540	OKA	Bouée cardinale Sud OKA	QC	1510	Unlit	0.6m Spar Can (Short)	510	Steel	Yellow-black	Seasonal (in place year round)	4.30	45° 27' 18.65"	74° 0' 35.25"	Serrated	567	Chain	9.1	14	3
C-25	6233.800	HD106	HD106;LA BARQUE	QC	1510	Unlit	0.6m Spar Conical (Short)	510	Steel	Red	Seasonal (in place year round)	2.40	45° 27' 20.33"	73° 59' 34.85"	Serrated	567	Chain	9.1	14	3
C-25	6234.100	HD102	HD102; LA BARQUE	QC	1510	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	2.40	45° 27' 42.42"	73° 59' 13.39"	Serrated	363	Chain	9.1	14	3
C-25	6234.520	HD94	HD94	QC	1510	Unlit	0.6m Spar Conical (Short)	510	Steel	Red	Seasonal (in place year round)	2.40	45° 28' 36.88"	73° 58' 20.24"	Serrated	567	Chain	9.1	14	3
C-25	6234.600	HD97	HD97;LA GOELETTE	QC	1510	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	2.40	45° 28' 3.63"	73° 58' 49.57"	Serrated	363	Chain	9.1	14	3
C-25	6235.000	HD90	HD90; LE PETIT ROCHER	QC	1510	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	2.10	45° 29' 8.41"	73° 57' 44.43"	Concrete	227	Chain	9.1	14	3
C-25	6236.500	CAL	CAL POINTE-CALUMET	QC	1510	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Yellow	Seasonal	1.60	45° 29' 36.05"	73° 56' 58.05"	Serrated	363	Chain	6.1	14	3
C-25	6236.610	HD74	HD74; POINTE-CALUMET	QC	1510	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	1.50	45° 29' 40.01"	73° 57' 9.48"	Serrated	363	Chain	6.1	14	3
C-25	6238.000	HD64	HD64; BAIE-DU-LAC	QC	1510	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	1.90	45° 30' 38.64"	73° 56' 7.56"	Concrete	227	Chain	6.1	14	3
C-25	6239.000	HD54	HD54; PINE BEACH	QC	1510	Unlit	1.2m MOBILIS 1200 heighten (2.3m).		Plastic/Steel	Red	Seasonal	1.90	45° 30' 58.14"	73° 54' 58.56"	Concrete	227	Chain	6.1	14	3
C-25	6239.300	HD43	HD43; POINTE AUX CARRIERES	QC	1510	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	1.80	45° 31' 12.92"	73° 54' 2.49"	Serrated	363	Chain	6.1	14	3
C-25	6240.000	HD42	HD42; POINTE AUX CARRIERES	QC	1509	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	1.80	45° 31' 14.587"	73° 54' 2.09"	Concrete	227	Chain	9.1	14	3
C-25	6240.100	HD39	HD39; POINTE AUX CARRIERES	QC	1509	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	1.40	45° 31' 15.912"	73° 53' 50.287"	Serrated	227	Chain	9.1	14	3
C-25	6241.000	HD38	HD38; ILE ROUSSIN OUEST	QC	1509	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	2.70	45° 31' 20.681"	73° 53' 30.059"	Concrete	227	Chain	9.1	14	3
C-25	6241.100	HD36	HD36; ILE ROUSSIN	QC	1509	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	1.80	45° 31' 23.531"	73° 53' 14.688"	Serrated	363	Chain	7.6	14	3
C-25	6241.200	HD34	HD34; ILE ROUSSIN	QC	1509	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	1.40	45° 31' 24.447"	73° 53' 8.337"	Serrated	363	Chain	7.6	14	3
C-25	6242.000	HD35	HD35; ILE ROUSSIN	QC	1509	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	1.30	45° 31' 22.899"	73° 53' 14.504"	Concrete	227	Chain	7.6	14	3
C-25	6242.010	HD32	HD32; ILE ROUSSIN	QC	1509	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	2.80	45° 31' 25.652"	73° 53' 4.887"	Serrated	227	Chain	7.6	14	3
C-25	6242.020	HD31	HD31; ILE ROUSSIN	QC	1509	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	2.60	45° 31' 24.17"	73° 53' 5.695"	Serrated	363	Chain	7.6	14	3
C-25	6242.040	HD29	HD29; LAVAL-SUR-LE-LAC	QC	1509	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	4.30	45° 31' 20.227"	73° 52' 59.967"	Concrete	363	Chain	9.1	14	3

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-25	6242.050	HD28	HD28; LAVAL-SUR-LE-LAC	QC	1509	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	2.50	45° 31' 21.063"	73° 52' 59.0628"	Concrete	363	Chain	7.6	14	3
C-25	6242.280	HD14	HD14; RAPIDES LALEMANT	QC	1509	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	1.70	45° 31' 11.55"	73° 51' 46.431"	Serrated	136	Chain	6.1	14	3
C-25	6242.290	HD11	HD11; ILE BIGRAS	QC	1509	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	4.00	45° 31' 10.598"	73° 51' 47.986"	Serrated	363	Chain	9.1	14	3
C-25	6242.300	HD7	HD7; ILE BIGRAS	QC	1509	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	4.30	45° 30' 52.8"	73° 51' 25.2"	Serrated	227	Chain	9.1	14	3
C-25	6242.310	HD6	HD6; ILE VERTE	QC	1509	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	1.60	45° 30' 49.034"	73° 51' 22.87"	Serrated	136	Chain	6.1	14	3
C-25	6242.320	HD5	HD5; ILE VERTE	QC	1509	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	2.00	45° 30' 48.182"	73° 51' 23.318"	Serrated	136	Chain	6.1	14	3
C-25	6242.330	HD3	HD3; ILE RONDE	QC	1509	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	0.90	45° 30' 42.287"	73° 51' 15.139"	Concrete	363	Chain	9.1	14	3
C-25	6242.335	HD4	HD4; ILE RONDE	QC	1509	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	1.00	45° 30' 47.972"	73° 51' 21.854"	Serrated	227	Chain	6.1	14	3
C-25	6242.340	HD2	HD2; ILE RONDE	QC	1509	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	1.00	45° 30' 41.915"	73° 51' 12.509"	Serrated	227	Chain	9.1	14	3

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Lac Saint-Louis et VMSL
Contract Area no.:	C-26 A,B

Province(s):	Quebec
Contract Area Description:	The Contract Area includes Lac Saint-Louis (A) and Voie maritime du Saint-Laurent (VMSL) (B)downstream of Beauharnois
Coast Guard Depot:	Quebec City, Quebec
Commissioning date:	No later than April 1st (VMSL) and May 15th (LSL)
Decommissioning date:	No earlier than December 15th (VMSL) and October 10th (LSL)
Total no. of buoys:	165 total: 145 (A), 20 (B)
Buoy size :	Varies, 0.3m to .12.3m diameter
Maximum anchor size (weight (kg)):	2727 (A), 2948 (B)
Maximum buoy weight (kg) :	1924
Maximum water depth (m) :	15.2 (A), 11.0 (B)
Operational Season:	April 01 to December 31th
Overview of work activities:	52 buoys are seasonal; seasonal buoys are placed in the spring and removed in the fall. 37 summer buoys are replaced with a winter spar. 71 buoys are in place year round; 65 buoys have lanterns, the remainder are unlit. At Commissioning, work includes placing of seasonal buoys, swop of winter spars for summer buoys, position verification, addition of lantern and, as required, tape & numbers for year round buoys. Decommissioning work includes lifting of seasonal buoys, swop of summer buoys for winter spars and removal of 12 lanterns from a year round buoy. Unscheduled work includes response to discrepancies during the operational season.
Comment:	N/A

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-26a	1.000	V29	Bouée lumineuse V29	QC	1429	Night	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.20	45° 24' 8.935"	73° 38' 22.772"	Serrated	567	Chain	22.9	20	1
C-26a	1.100	V30	Bouée lumineuse V30	QC	1429	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.20	45° 24' 11.29"	73° 38' 22.83"	Serrated	907	Chain	21.3	20	1
C-26a	1.200	V31	Bouée lumineuse V31	QC	1429	Night	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.20	45° 24' 14.144"	73° 38' 45.119"	Serrated	567	Chain	21.3	20	1
C-26a	2.000	V32	Bouée lumineuse V32	QC	1429	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.20	45° 24' 16.408"	73° 38' 44.337"	Serrated	567	Chain	18.3	20	1
C-26a	3.000	V33	Bouée lumineuse V33	QC	1429	Night	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.20	45° 24' 20.544"	73° 39' 3.005"	Serrated	567	Chain	21.3	20	1
C-26a	3.100	V34	Bouée lumineuse V34	QC	1429	Night	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	8.20	45° 24' 23.048"	73° 39' 2.503"	Serrated	567	Chain	21.3	20	1
C-26a	5.200	A1	Bouée lumineuse A1	QC	1430	Night	0.5m plastic spar SW500-6	430	Plastic	Green	Seasonal (in place year round)	8.60	45° 24' 26.234"	73° 43' 11.316"	Serrated	1814	Chain	22.8		1
C-26a	5.300	A2	Bouée lumineuse A2	QC	1430	Night	0.5m plastic spar SW500-6	430	Plastic	Red	Seasonal (in place year round)	8.60	45° 24' 27.727"	73° 43' 24.162"	Serrated	2722	Chain	27.4	28	1
C-26a	6.000	A3	Bouée lumineuse A3	QC	1430	Night	0.5m plastic spar SW500-6	430	Plastic	Green	Seasonal (in place year round)	8.60	45° 24' 17.126"	73° 43' 44.096"	Serrated	1814	Chain	22.9	20	1
C-26a	7.000	A4	Bouée lumineuse A4	QC	1430	Night	0.5m plastic spar SW500-6	430	Plastic	Red	Seasonal (in place year round)	8.60	45° 24' 22.744"	73° 43' 51.928"	Serrated	2722	Chain	27.4	28	1
C-26a	9.000	A7	Bouée lumineuse A7	QC	1430	Night	1.4m Buoy	1811	Steel	Green	Seasonal (in place year round)	8.60	45° 24' 15.245"	73° 44' 30.425"	Serrated	1814	Chain	22.9	20	1
C-26a	10.000	A8	Bouée lumineuse A8	QC	1430	Night	1.4m Buoy	1811	Steel	Red	Seasonal (in place year round)	8.60	45° 24' 21.152"	73° 44' 31.119"	Serrated	1814	Chain	22.9	20	1
C-26a	11.000	A9	Bouée lumineuse A9	QC	1430	Night	1.3m short spar buoy		Steel	Green	Seasonal (in place year round)	8.60	45° 24' 13.176"	73° 45' 21.231"	Serrated	2722	Chain	22.9	20	1
C-26a	12.000	A10	Bouée lumineuse A10	QC	1430	Night	1.2 m MOBILIS SP1200	130	Plastic/Steel	Red	Seasonal (in place year round)	8.60	45° 24' 19.063"	73° 45' 22.416"	Serrated	2722	Chain	22.9	20	1
C-26a	13.000	A13	Bouée lumineuse A13	QC	1430	Night	0.5m plastic spar SW500-6	430	Plastic	Green	Seasonal (in place year round)	8.60	45° 24' 10.691"	73° 46' 22.06"	Serrated	2722	Chain	27.4	28	1

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-26a	14.000	LACHINE A	Bouée lumineuse cardinale Ouest LACHINE A	QC	1430	Night	1.4m Buoy	1811	Steel	Yellow-black-yellow	Seasonal (in place year round)	8.60	45° 24' 17.337"	73° 46' 4.703"	Serrated	2722	Chain	22.9	20	1
C-26a	15.000	A17	Bouée lumineuse A17	QC	1430	Night	1.4m Buoy	1811	Steel	Green	Seasonal	8.60	45° 24' 4.672"	73° 46' 48.244"	Serrated	1814	Chain	22.9	20	1
C-26a	16.000	A18	Bouée lumineuse A18	QC	1430	Night	1.4m Buoy	1811	Steel	Red	Seasonal	8.60	45° 24' 15.265"	73° 46' 55.298"	Serrated	2722	Chain	22.9	20	1
C-26a	17.000	A21	Bouée lumineuse A21	QC	1430	Night	0.5m plastic spar SW500-6	430	Plastic	Green	Seasonal (in place year round)	8.60	45° 23' 54.763"	73° 47' 10.623"	Serrated	2722	Chain	27.4	28	1
C-26a	18.000	A20	Bouée lumineuse A20	QC	1430	Night	0.5m plastic spar SW500-6	430	Plastic	Red	Seasonal (in place year round)	8.60	45° 23' 54.057"	73° 47' 23.244"	Serrated	2722	Chain	27.4	28	1
C-26a	19.000	A25	Bouée lumineuse A25	QC	1430	Night	0.7m spar Can		Steel	Green	Seasonal (in place year round)	8.60	45° 23' 10.708"	73° 48' 10.637"	Serrated	2722	Chain	27.4	28	1
C-26a	19.500	A24	Bouée lumineuse A24	QC	1430	Night	0.7m spar Conical	1883	Steel	Red	Seasonal (in place year round)	8.60	45° 23' 15.914"	73° 48' 15.202"	Serrated	2722	Chain	27.4	28	1
C-26a	22.000	A33	Bouée lumineuse A33	QC	1430	Night	1.4m Buoy	1811	Steel	Green	Seasonal	8.60	45° 22' 6.488"	73° 49' 38.053"	Serrated	1814	Chain	22.9	20	1
C-26a	23.000	A34	Bouée lumineuse A34	QC	1430	Night	1.4m Buoy	1811	Steel	Red	Seasonal	8.60	45° 22' 10.82"	73° 49' 43.806"	Serrated	1814	Chain	22.9	20	1
C-26a	23.500	A35	Bouée lumineuse A35	QC	1430	Night	1.4m Buoy	1811	Steel	Green	Seasonal	10.40	45° 21' 47.2821"	73° 50' 3.2468"	Serrated	2722	Chain	22.9	20	1
C-26a	24.000	A38	Bouée lumineuse A38	QC	1430	Night	1.4m Buoy	1811	Steel	Red	Seasonal	8.60	45° 21' 37.185"	73° 50' 29.557"	Serrated	1814	Chain	22.8	20	1
C-26a	25.000	A39	Bouée lumineuse A39	QC	1430	Night	1.4m Buoy	1811	Steel	Green	Seasonal	11.20	45° 21' 22.129"	73° 50' 36.521"	Serrated	2722	Chain	22.9		1
C-26a	26.000	A40	Bouée lumineuse A40	QC	1430	Night	1.4m Buoy	1811	Steel	Red	Seasonal	10.60	45° 21' 25.384"	73° 50' 51.526"	Serrated	1814	Chain	22.9	20	1
C-26a	27.000	A45	Bouée lumineuse A45	QC	1430	Night	1.4m Buoy	1811	Steel	Green	Seasonal	12.10	45° 20' 56.963"	73° 51' 42.411"	Serrated	1814	Chain	27.4	20	1
C-26a	28.000	A46	Bouée lumineuse A46	QC	1430	Night	0.7m spar Conical	1883	Steel	Red	Seasonal (in place year round)	13.70	45° 21' 4.09"	73° 51' 47.277"	Serrated	2722	Chain	27.4	28	1
C-26a	29.000	A51	Bouée lumineuse A51	QC	1430	Night	1.4m Buoy	1811	Steel	Green	Seasonal (in place year round)	12.10	45° 20' 29.216"	73° 52' 55.007"	Serrated	2722	Chain	27.4	20	1
C-26a	30.000	A52	Bouée lumineuse A52	QC	1430	Night	1.4m Buoy	1811	Steel	Red	Seasonal (in place year round)	12.10	45° 20' 35.832"	73° 53' 1.209"	Serrated	2722	Chain	22.9	20	1
C-26a	31.000	BEAA	Bouée lumineuse de mouillage BEA A	QC	1430	Night	1.4m Buoy	1811	Steel	Yellow	Seasonal (in place year round)	13.10	45° 20' 22.879"	73° 54' 19.429"	Serrated	2722	Chain	27.4	28	1

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-26a	32.000	BEAB	Bouée lumineuse de mouillage BEA B	QC	1430	Night	1.4m Buoy	1811	Steel	Yellow	Seasonal (in place year round)	15.20	45° 19' 58.94"	73° 54' 55.259"	Serrated	2722	Chain	27.4	28	1
C-26a	5021.100	A29	A29	QC	1430	Unlit	0.7m Ice Can	1923	Steel	Green	Seasonal (in place year round)	8.60	45° 22' 39"	73° 48' 53.809"	Serrated	2722	Chain	27.4	28	1
C-26a	5021.200	A30	A30	QC	1430	Unlit	0.7m Ice Conical	1923	Steel	Red	Seasonal (in place year round)	11.10	45° 22' 42.72"	73° 49' .396"	Serrated	2722	Chain	27.4	28	1
C-26a	5029.500	BEAC	BEA-C; BEAUHARNOIS C	QC	1430	Unlit	0.7m Ice Can	1923	Steel	Yellow	Seasonal (in place year round)	12.10	45° 19' 44.247"	73° 53' 19.556"	Serrated	2722	Chain	27.4	28	1
C-26a	1196.000	AC23	Bouée lumineuse AC23	QC	1430	Night	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	2.70	45° 25' 45.7461"	73° 42' 11.8444"	Serrated	1814	Chain	9.1	20	3
C-26a	1197.000	AC29	Bouée lumineuse AC29	QC	1430	Night	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	3.70	45° 25' 35.9393"	73° 42' 44.7741"	Serrated	1814	Chain	9.1	20	3
C-26a	1198.000	AC38	Bouée lumineuse AC38	QC	1430	Night	1.4m Buoy	1811	Steel	Red	Seasonal	4.20	45° 25' 20.406"	73° 43' 46.37"	Serrated	1814	Chain	15.2	20	3
C-26a	1204.500	AC59	Bouée lumineuse AC59	QC	1430	Night	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	11.00	45° 24' 31.8502"	73° 45' 58.7865"	Serrated	1814	Chain	18.3	20	3
C-26a	1204.700	AD1	Bouée lumineuse AD1	QC	1430	Night	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	6.40	45° 25' 12.6501"	73° 45' 4.5952"	Serrated	567	Chain	12.2	14	3
C-26a	1204.710	AD2	Bouée lumineuse AD2	QC	1430	Night	1.5m Discus	215	Aluminum	Red	Seasonal	3.40	45° 25' 14.8703"	73° 45' 4.6481"	Serrated	227	Chain	9.1	14	3
C-26a	1208.000	AS12	Bouée lumineuse AS12	QC	1430	Night	1.5m Discus	215	Aluminum	Red	Seasonal	6.40	45° 25' 58.6456"	73° 45' 12.5544"	Serrated	363	Chain	12.2	14	3
C-26a	1208.300	AS16	Bouée lumineuse AS16	QC	1430	Night	1.5m Discus	215	Aluminum	Red	Seasonal	3.40	45° 25' 52.0178"	73° 45' 52.6512"	Serrated	227	Chain	9.1	14	3
C-26a	1209.000	DORA	Bouée lumineuse Dor-A	QC	1430	Night	1.2 m MOBILIS BC-1242	380	Plastic/Steel	Green-red-green	Seasonal	3.70	45° 25' 34.8719"	73° 45' 53.2743"	Serrated	567	Chain	12.2	14	3
C-26a	1209.750	VALO	Bouée lumineuse cardinale Sud Val-O	QC	1430	Night	1.5m Discus	215	Aluminum	Yellow-black	Seasonal	4.60	45° 25' 51.643"	73° 46' 25.037"	Serrated	567	Chain	15.2	14	3
C-26a	1211.000	AD14	Bouée lumineuse AD14	QC	1430	Night	1.5m Discus	215	Aluminum	Red	Seasonal	6.10	45° 25' 46.4758"	73° 46' 36.0695"	Serrated	227	Chain	12.2	14	3
C-26a	1212.000	AD18	Bouée lumineuse AD18	QC	1430	Night	1.5m Discus	215	Aluminum	Red	Seasonal	5.20	45° 25' 31.5462"	73° 47' 38.3599"	Serrated	363	Chain	12.2	14	3
C-26a	1215.000	AD22	Bouée lumineuse AD22	QC	1430	Night	1.2 m MOBILIS BC-1242	380	Plastic/Steel	Red	Seasonal	4.60	45° 25' 4.404"	73° 49' 26.6177"	Serrated	363	Chain	12.2	14	3
C-26a	1216.300	AD28	Bouée lumineuse AD28	QC	1430	Night	1.2 m MOBILIS BC-1242	380	Plastic/Steel	Red	Seasonal	5.50	45° 24' 41.6882"	73° 52' .0002"	Serrated	567	Chain	12.2	14	3

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-26a	1217.000	AD30	Bouée lumineuse AD30	QC	1430	Night	1.5m Discus	215	Aluminum	Red	Seasonal	11.30	45° 24' 37.9608"	73° 53' 30.4801"	Serrated	363	Chain	18.3	14	3
C-26a	1219.500	DOW	Bouée lumineuse DOW	QC	1430	Night	1.5m Discus	215	Aluminum	Green-red-green	Seasonal	7.60	45° 24' 6.341"	73° 54' 34.9018"	Concrete	363	Chain	12.2	14	3
C-26a	1221.000	AD46	Bouée lumineuse AD46	QC	1430	Night	0.6m Spar Conical (Short)	510	Steel		Seasonal (in place year round)	6.70	45° 23' 46.9541"	73° 55' 20.9743"	Serrated	363	Chain	12.2	14	3
C-26a	1221.200	AD54	Bouée lumineuse AD54	QC	1430	Night	1.5m Discus	215	Aluminum	Red	Seasonal	2.70	45° 23' 40.9641"	73° 56' 28.7673"	Serrated	363	Chain	6.1	14	3
C-26a	1224.000	AD52	Bouée lumineuse AD52	QC	1430	Night	1.5m Discus	215	Aluminum	Red	Seasonal	3.40	45° 23' 40.101"	73° 56' 17.5623"	Serrated	363	Chain	6.1	14	3
C-26a	1226.500	AE4	Bouée lumineuse AE4	QC	1430	Night	1.5m Discus	215	Aluminum	Red	Seasonal	4.90	45° 22' 27.4581"	73° 51' 12.0875"	Serrated	363	Chain	9.1	14	3
C-26a	1226.600	AE9	Bouée lumineuse AE9	QC	1430	Night	1.5m Discus	215	Aluminum	Green	Seasonal	4.60	45° 22' 43.5437"	73° 52' 5.5014"	Concrete	363	Chain	9.1	14	3
C-26a	1226.610	AE8	Bouée lumineuse AE8	QC	1430	Night	1.5m Discus	215	Aluminum	Red	Seasonal	6.10	45° 22' 44.3881"	73° 52' 2.9929"	Serrated	363	Chain	9.1	14	3
C-26a	1226.650	AE14	Bouée lumineuse AE14	QC	1430	Night	1.5m Discus	215	Aluminum	Red	Seasonal	4.30	45° 22' 56.0396"	73° 52' 15.3472"	Concrete	363	Chain	9.1	14	3
C-26a	1226.700	AE15	Bouée lumineuse AE15	QC	1430	Night	1.5m Discus	215	Aluminum	Green	Seasonal	1.50	45° 23' 10.3484"	73° 52' 17.7946"	Serrated	363	Chain	4.6	14	3
C-26a	1226.900	AE19	Bouée lumineuse AE19	QC	1430	Night	1.5m Discus	215	Aluminum	Green	Seasonal	2.10	45° 23' 34.9131"	73° 53' 30.8069"	Serrated	363	Chain	6.1	14	3
C-26a	1226.950	AE28	Bouée lumineuse AE28	QC	1430	Night	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	1.50	45° 23' 56.0036"	73° 54' 12.3906"	Concrete	363	Chain	4.6	14	3
C-26a	5021.300	AH3	AH3	QC	1430	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	10.00	45° 21' 48.99"	73° 48' 44.13"	Concrete	363	Chain	4.6	14	3
C-26a	5021.310	AH4	AH4	QC	1430	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	9.00	45° 21' 48.93"	73° 48' 45.48"	Serrated	363	Chain	4.6	14	3
C-26a	5021.340	AH7	AH7	QC	1430	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	12.00	45° 21' 42.77"	73° 48' 35.15"	Serrated	363	Chain	4.6	14	3
C-26a	5021.350	AH8	AH8	QC	1430	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	7.00	45° 21' 42.25"	73° 48' 35.62"	Serrated	363	Chain	4.6	14	3
C-26a	5021.360	AH9	AH9	QC	1430	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	8.00	45° 21' 39.01"	73° 48' 29.58"	Serrated	363	Chain	4.6	14	3
C-26a	5021.370	AH10	AH10	QC	1430	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	7.00	45° 21' 38.63"	73° 48' 30.57"	Serrated	363	Chain	4.6	14	3

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-26a	5026.400	AE5	AE5; POINTE A FOURNEAU	QC	1430	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	3.00	45° 22' 26.8907"	73° 51' 15.2084"	Serrated	363	Chain	7.6	14	3
C-26a	5026.410	AE2	AE2; POINTE A FOURNEAU	QC	1430	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	4.90	45° 22' 8.6711"	73° 50' 49.5255"	Serrated	363	Chain	12.2	14	3
C-26a	5026.510	AE7	AE7; POINTE A FOURNEAU	QC	1430	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	1.50	45° 22' 35.3078"	73° 51' 40.6532"	Serrated	363	Chain	4.6	14	3
C-26a	5026.520	AE6	AE6; POINTE A FOURNEAU	QC	1430	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	3.70	45° 22' 33.8635"	73° 51' 31.3442"	Serrated	363	Chain	7.6	14	3
C-26a	5026.620	AE13	AE13; POINTE A FOURNEAU	QC	1430	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	1.80	45° 22' 55.4588"	73° 52' 18.1353"	Serrated	363	Chain	4.6	14	3
C-26a	5026.710	AE16	AE16; POINTE A FOURNEAU	QC	1430	Unlit	1.2m MOBILIS 1200 heighten (2.3m).		Plastic/Steel	Red	Seasonal	1.80	45° 23' 12.3531"	73° 52' 14.9736"	Serrated	363	Chain	4.6	14	3
C-26a	5026.910	AE20	AE20; POINTE DU DOMAINE	QC	1430	Unlit	1.2m MOBILIS 1200 heighten (2.3m).		Plastic/Steel	Red	Seasonal	2.10	45° 23' 36.0436"	73° 53' 29.6978"	Serrated	363	Chain	6.1	14	3
C-26a	5026.920	AE23	AE23; ILE DOWKER	QC	1430	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	1.20	45° 23' 45.1768"	73° 53' 52.1506"	Serrated	363	Chain	4.6	14	3
C-26a	5026.921	AE24	AE24; ILE DOWKER	QC	1430	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	1.50	45° 23' 46.4845"	73° 53' 51.1377"	Serrated	363	Chain	4.6	14	3
C-26a	5026.940	AE29	AE29; ILE DOWKER	QC	1430	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	1.20	45° 23' 54.9126"	73° 54' 12.4007"	Serrated	363	Chain	4.6	14	3
C-26a	5026.941	AE30	AE30; ILE DOWKER	QC	1430	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	1.50	45° 23' 58.5301"	73° 54' 17.7569"	Serrated	363	Chain	4.6	14	3
C-26a	5032.450	AM6	AM6; BAIE DES CASCADES	QC	1430	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	9.10	45° 20' 20.147"	73° 55' 51.061"	Serrated	363	Chain	18.3	14	3
C-26a	5032.460	AM10	AM10; BAIE DES CASCADES	QC	1430	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	10.40	45° 20' 20.34"	73° 56' 37.44"	Serrated	363	Chain	18.3	14	3
C-26a	5032.470	AM14	AM14; BAIE DES CASCADES	QC	1430	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	4.60	45° 20' 23.747"	73° 57' 25.166"	Serrated	363	Chain	12.2	14	3
C-26a	5032.475	AM15	AM15; BAIE DES CASCADES	QC	1430	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	13.00	45° 20' 32.989"	73° 57' 54.208"	Serrated	363	Chain	7.6	14	3
C-26a	5032.490	AM20	AM20;BAIE DES CASCADES	QC	1430	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	10.60	45° 20' 51.12"	73° 58' 34.98"	Serrated	363	Chain	15.2	14	3

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-26a	5032.495	AM27	AM27	QC	1430	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	2.00	45° 21' 12.02"	73° 59' 2.95"	Serrated	227	Chain	7.6	14	3
C-26a	5032.500	AM28	AM28; POINTE AU RENARD	QC	1430	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	5.80	45° 21' 12.12"	73° 59' .36"	Concrete	227	Chain	7.6	14	3
C-26a	5032.505	AM29	AM29 POINTE AU RENARD	QC	1430	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	1.00	45° 21' 18.85"	73° 59' 4.83"	Serrated	227	Chain	7.6	14	3
C-26a	5032.510	AM30	AM30; POINTE AU RENARD	QC	1430	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	2.10	45° 21' 19.74"	73° 59' 2.4"	Serrated	363	Chain	6.1	14	3
C-26a	5032.520	AM32	AM32; POINTE AU RENARD	QC	1430	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	2.30	45° 21' 23.43"	73° 59' 14.5"	Concrete	227	Chain	7.6	14	3
C-26a	5032.525	AM33	AM33 - Pointe à Valois	QC	1430	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal		45° 21' 20.60"	73° 59' 22.3"	Serrated	136	Chain	6.1	14	3
C-26a	5032.535	AM47	AM47	QC	1430	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.00	45° 21' 47.5"	73° 59' 56.13"	Serrated	136	Chain	7.6	14	3
C-26a	5032.540	AM44	AM44;POINTE AU RENARD	QC	1430	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	3.70	45° 21' 31.647"	73° 59' 38.5704"	Serrated	136	Chain	6.1	14	3
C-26a	5032.542	AM51	AM51	QC	1430	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	1.00	45° 22' 40.422"	74° 0' 23.0516"	Serrated	136	Chain	6.1	14	3
C-26a	5032.544	AM52	AM52	QC	1430	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	2.70	45° 22' 43.716"	74° 0' 20.1534"	Serrated	136	Chain	6.1	14	3
C-26a	5032.550	AM53	AM53; ILE AUX PINS	QC	1430	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	1.50	45° 22' 43.47"	74° 0' 21.1268"	Concrete	136	Chain	6.1	14	3
C-26a	5032.570	AM55	AM55; ILE AUX PINS	QC	1430	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	1.50	45° 22' 46.24"	74° 0' 21.62"	Concrete	136	Chain	6.1	14	3
C-26a	5032.580	AM56	AM56; ILE AUX PINS	QC	1430	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	1.20	45° 22' 46.67"	74° 0' 20.91"	Concrete	136	Chain	6.1	14	3
C-26a	5032.590	AM57	AM57; ILE AUX PINS	QC	1430	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	1.00	45° 22' 53.19"	74° 0' 28.36"	Concrete	136	Chain	4.6	14	3
C-26a	5032.600	AM58	AM58; ILE AUX PINS	QC	1430	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	2.70	45° 22' 54.55"	74° 0' 28.54"	Concrete	227	Chain	6.1	14	3
C-26a	5032.620	AM60	AM60; RAPIDES DE VAUDREUIL	QC	1430	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	2.70	45° 22' 59.76"	74° 0' 25.8"	Concrete	136	Chain	6.1	14	3
C-26a	5032.630	AM63	AM63; RAPIDES DE VAUDREUIL	QC	1430	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	1.80	45° 23' 1.34"	74° 0' 10.479"	Concrete	227	Chain	6.1	14	3
C-26a	5032.640	AM64	AM64; RAPIDES DE VAUDREUIL	QC	1430	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	2.70	45° 23' .6"	74° 0' 11.1"	Concrete	227	Chain	6.1	14	3
C-26a	5032.650	AM67	AM67; RAPIDES DE VAUDREUIL	QC	1430	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	3.00	45° 23' 2.82"	74° 0' 7.5"	Concrete	227	Chain	6.1	14	3
C-26a	5032.660	AM68	AM68; RAPIDES DE VAUDREUIL	QC	1430	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	1.50	45° 23' 2.751"	74° 0' 6.235"	Concrete	227	Chain	6.1	14	3
C-26a	5032.713	AM77	AM77; BAIE DE VAUDREUIL	QC	1510	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal (in place year round)	1.20	45° 23' 36.03"	74° 0' 21.44"	Serrated	136	Chain	4.6	14	3

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-26a	5032.716	AM76	AM76; BAIE DE VAUDREUIL	QC	1510	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.70	45° 23' 24.294"	74° 0' .768"	Serrated	136	Chain	7.6	14	3
C-26a	5032.720	AM78	AM78;BAIE DE VAUDREUIL	QC	1510	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	3.70	45° 23' 40.54"	74° 0' 25.41"	Concrete	136	Chain	9.1	14	3
C-26a	5032.780	AM92	AM92; BAIE DE VAUDREUIL	QC	1510	Unlit	1.2m MOBILIS 1200 heighten (2.3m).		Plastic/Steel	Red	Seasonal	2.70	45° 24' 11.94"	74° 0' 32.17"	Serrated	363	Chain	6.1	14	3
C-26a	5032.810	AM98	AM98; BAIE DE VAUDREUIL	QC	1510	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	2.10	45° 24' 46.49"	73° 59' 28.11"	Serrated	363	Chain	7.6	14	3
C-26a	6192.700	AC11	AC11; CANAL LACHINE	QC	1430	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	3.40	45° 25' 51.673"	73° 41' 14.74"	Serrated	363	Chain	7.6	14	3
C-26a	6196.100	AC21	AC21; COURBE LACHINE	QC	1430	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	4.90	45° 25' 50.9528"	73° 41' 54.3506"	Serrated	1814	Chain	12.2	20	3
C-26a	6196.200	AC22	AC22; COURBE LACHINE	QC	1430	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	6.10	45° 25' 50.949"	73° 42' 3.813"	Serrated	1814	Chain	15.2	20	3
C-26a	6196.300	AC24	AC24; COURBE LACHINE	QC	1430	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	5.20	45° 25' 44.6362"	73° 42' 25.0112"	Serrated	1814	Chain	12.2	20	3
C-26a	6196.400	AC25	AC25; COURBE LACHINE	QC	1430	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	7.60	45° 25' 41.464"	73° 42' 26.222"	Serrated	1814	Chain	15.2	20	3
C-26a	6197.100	AC30	AC30; COURBE LACHINE	QC	1430	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	5.20	45° 25' 38.3264"	73° 42' 46.2077"	Serrated	1814	Chain	12.2	20	3
C-26a	6197.200	AC32	AC32; COURBE LACHINE	QC	1430	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	4.90	45° 25' 29.3549"	73° 43' 16.3316"	Serrated	1814	Chain	12.2	20	3
C-26a	6197.500	AC37	AC37; COURBE LACHINE	QC	1430	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	4.80	45° 25' 20.723"	73° 43' 35.861"	Serrated	1814	Chain	15.2	20	3
C-26a	6198.100	AC39	AC39; COURBE LACHINE	QC	1430	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	4.60	45° 25' 16.5825"	73° 43' 59.9997"	Serrated	1814	Chain	12.2	20	3
C-26a	6198.200	AC40	AC40; COURBE LACHINE	QC	1430	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	4.60	45° 25' 19.233"	73° 43' 58.62"	Serrated	1814	Chain	15.2	20	3
C-26a	6203.100	AC45	AC45; COURBE LACHINE	QC	1430	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	6.10	45° 25' 9.256"	73° 44' 53.898"	Serrated	1814	Chain	15.2	20	3
C-26a	6203.200	AC48	AC48; COURBE LACHINE	QC	1430	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	5.20	45° 25' 9.088"	73° 45' 1.7384"	Serrated	1814	Chain	12.2	20	3

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-26a	6204.100	AC51	AC51; COURBE LACHINE	QC	1430	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	8.20	45° 24' 52.307"	73° 45' 23.307"	Serrated	1814	Chain	15.2	20	3
C-26a	6204.200	AC54	AC54; COURBE LACHINE	QC	1430	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	5.40	45° 24' 50.777"	73° 45' 31.772"	Serrated	1814	Chain	15.2	20	3
C-26a	6204.300	AC57	AC57; COURBE LACHINE	QC	1430	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	6.70	45° 24' 37.914"	73° 45' 48.271"	Serrated	1814	Chain	18.3	20	3
C-26a	6204.400	AC58	AC58; COURBE LACHINE	QC	1430	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	9.10	45° 24' 38.644"	73° 45' 58.037"	Serrated	1814	Chain	22.9	20	3
C-26a	6204.800	AD5	AD5; COURBE DE LACHINE	QC	1430	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	4.60	45° 25' 22.7779"	73° 45' 26.7783"	Serrated	567	Chain	9.1	14	3
C-26a	6206.000	AS2	AS2; TRAVERSE ILE DORVAL	QC	1430	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	4.00	45° 26' 10.94"	73° 44' 31.09"	Serrated	363	Chain	12.2	14	3
C-26a	6207.000	AS3	AS3; TRAVERSE ILE DORVAL	QC	1430	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	3.40	45° 26' 5.143"	73° 44' 24.534"	Concrete	227	Chain	12.2	14	3
C-26a	6207.100	AS5	AS5; ILE DORVAL OUEST	QC	1430	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	4.80	45° 26' 1.62"	73° 44' 52.02"	Serrated	227	Chain	12.2	14	3
C-26a	6207.200	AS8	AS8; POINTE MARION	QC	1430	Unlit	0.3m Spar Conical (ORT)	80	Steel	Red	Seasonal (in place year round)	5.80	45° 26' 1.143"	73° 45' 2.535"	Serrated	567	Chain	18.3	14	3
C-26a	6208.100	AS15	AS15; POINTE BROWN	QC	1430	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	5.20	45° 25' 51.477"	73° 45' 48.619"	Serrated	567	Chain	12.2	14	3
C-26a	6208.500	AD6	AD6; COURBE DE LACHINE	QC	1430	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	4.00	45° 25' 24.3241"	73° 45' 25.355"	Serrated	567	Chain	9.1	14	3
C-26a	6209.500	DORB	Bouée cardinale Ouest DOR-B	QC	1430	Unlit	1.5m Discus	215	Aluminum	Yellow-black-yellow	Seasonal	3.70	45° 25' 44.014"	73° 45' 49.654"	Serrated	227	Chain	12.2	14	3
C-26a	6209.700	VALA	VAL-A	QC	1430	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Yellow	Seasonal	3.00	45° 25' 58.143"	73° 46' 24.537"	Serrated	181	Chain	7.6	14	3
C-26a	6209.800	VAL	VAL	QC	1430	Unlit	0.75m SB 105 Can	52	Plastic	Yellow	Seasonal	4.60	45° 25' 28.38"	73° 47' 34.38"	Serrated	227	Chain	7.6	14	3
C-26a	6209.900	VALB	VAL-B	QC	1430	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Yellow	Seasonal	4.30	45° 25' 53.143"	73° 46' 38.538"	Serrated	227	Chain	7.6	14	3
C-26a	6210.000	AD11	AD11; COURBE DORVAL	QC	1430	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	4.90	45° 25' 37.5065"	73° 46' 10.9702"	Serrated	567	Chain	12.2	14	3
C-26a	6212.200	AD15	AD15; POINTE-CLAIRE	QC	1430	Unlit	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	3.70	45° 25' 42.6838"	73° 46' 45.7599"	Serrated	363	Chain	9.1	14	3

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-26a	6212.500	AD20	AD20; POINTE-CLAIRE	QC	1430	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	3.40	45° 25' 18.8566"	73° 48' 33.6464"	Serrated	363	Chain	9.1	14	3
C-26a	6216.600	KER	Bouée cardinale Est KER	QC	1430	Unlit	0.8m Spar Richelieu	362	Steel	Black-yellow-black	Seasonal (in place year round)	3.00	45° 24' 16.26"	73° 52' 48.96"	Serrated	363	Chain	7.6	14	3
C-26a	6219.300	AD38	AD38; ILE DOWKER	QC	1430	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	2.70	45° 24' 16.9739"	73° 54' 15.9578"	Serrated	363	Chain	6.1	14	3
C-26a	6220.000	AD42	AD42; CHENAL DE L'ILE PERROT	QC	1430	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	6.10	45° 24' 7.2961"	73° 54' 36.9223"	Concrete	227	Chain	12.2	14	3
C-26a	6224.500	AD55	AD55; PTE DE BRUÇY	QC	1430	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	3.00	45° 23' 42.4402"	73° 56' 32.3874"	Serrated	227	Chain	6.1	14	3
C-26a	6224.800	AD58	AD58; PTE DE BRUÇY	QC	1430	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	2.10	45° 23' 44.4932"	73° 56' 33.1143"	Serrated	227	Chain	6.1	14	3
C-26b	0.100	V5	Bouée lumineuse V5	QC	1429	Night	0.5m plastic spar SW500-6	430	Plastic	Green	Seasonal (in place year round)	9.80	45° 27' 37.15"	73° 30' 6.1"	Serrated	567	Chain	15.2	20	1
C-26b	0.200	V9	Bouée lumineuse V9	QC	1429	Night	0.5m plastic spar SW500-6	430	Plastic	Green	Seasonal (in place year round)	8.20	45° 26' 57.008"	73° 30' 3.598"	Serrated	567		21.3	20	1
C-26b	5000.300	BROA	BROA BROSSARD A	QC	1429	Unlit	0.6m Spar Can (Long)	510	Steel	Yellow	Seasonal (in place year round)	8.20	45° 26' 27.282"	73° 29' 47.429"	Serrated	567	Chain	21.3	20	1
C-26b	5000.400	BROB	BROB BROSSARD B	QC	1429	Unlit	0.6m Spar Can (Long)	510	Steel	Yellow	Seasonal (in place year round)	8.20	45° 26' 15.41"	73° 29' 46.57"	Serrated	567	Chain	21.3	20	1
C-26b	5000.500	DELA	DELA DELSON-A	QC	1429	Unlit	0.6m Spar Can (Long)	510	Steel	Yellow	Seasonal (in place year round)	8.20	45° 24' 16.045"	73° 32' 54.357"	Serrated	567	Chain	21.3	20	1
C-26b	5000.600	DELB	DELB DELSON-B	QC	1429	Unlit	0.6m Spar Can (Long)	510	Steel	Yellow	Seasonal (in place year round)	8.20	45° 24' 15.71"	73° 33' 7.75"	Serrated	567	Chain	21.3	20	1
C-26b	2338.000	M133	Bouée lumineuse M133 - COURBE DE VARENNES	QC	1310	Night	1.3m short spar buoy		Steel	Green	Year Round	10.60	45° 41' 14.99"	73° 27' 6.838"	Serrated	2722	Chain	27.4	28	1
C-26b	2349.100	PATB	Bouée lumineuse de mouillage PAT B	QC	1310	Night	1.4m Buoy	1811	Steel	Yellow	Year Round	10.60	45° 38' 38.36"	73° 28' 29.563"	Serrated	2722	Chain	27.4	28	1
C-26b	2350.500	PATG	Bouée lumineuse de mouillage PAT-G	QC	1310	Night	1.4m Buoy	1811	Steel	Yellow	Year Round	10.60	45° 37' 51.386"	73° 29' .524"	Serrated	2722	Chain	27.4	28	1
C-26b	2354.500	MEB	Bouée lumineuse de mouillage MEB	QC	1310	Night	1.4m Buoy	1811	Steel	Yellow	Seasonal	9.10	45° 36' 38.808"	73° 29' 50.654"	Serrated	2722	Chain	27.4	28	1
C-26b	2378.000	M191	Bouée lumineuse M191	QC	1310	Night	0.7m spar Can		Steel	Green	Year Round	8.20	45° 32' 5.376"	73° 31' 39.795"	Serrated	2722	Chain	27.4	28	1

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-26b	2379.000	M192	Bouée lumineuse M192	QC	1310	Night	0.7m spar Conical	1883	Steel	Red	Year Round	8.00	45° 31' 43.767"	73° 31' 42.699"	Serrated	3629	Chain	27.4	28	1
C-26b	7349.140	M152	M152 - CHENAL PTE-AUX-TREMBLES	QC	1310	Unlit	0.7m Ice Conical	1923	Steel	Red	Seasonal	11.00	45° 38' 20.633"	73° 29' 5.314"	Serrated	2722	Chain	27.4	28	1
C-26b	7349.200	PATC	PAT-C - MOUILLAGE POINTE AUX TREMBLES	QC	1310	Unlit	0.7m Ice Can	1923	Steel	Yellow	Year Round	11.00	45° 38' 26.617"	73° 28' 37.305"	Serrated	2722	Chain	27.4	28	1
C-26b	7349.400	PATE	PAT-E - MOUILLAGE DE POINTE-AUX-TREMBLES	QC	1310	Unlit	0.7m Ice Can	1923	Steel	Yellow	Seasonal	11.00	45° 38' 3.13"	73° 28' 52.785"	Serrated	2722	Chain	27.4	28	1
C-26b	7351.000	PATH	PAT-H - MOUILLAGE DE POINTE AUX TREMBLES	QC	1310	Unlit	0.7m Ice Can	1923	Steel	Yellow	Seasonal	11.00	45° 37' 49.133"	73° 29' 7.808"	Serrated	2722	Chain	27.4	28	1
C-26b	7354.300	MEA	MEA - MOUILLAGE DE MONTREAL-EST	QC	1310	Unlit	0.7m Ice Can	1923	Steel	Yellow	Seasonal	9.10	45° 36' 53.552"	73° 29' 40.946"	Serrated	2722	Chain	27.4	28	1
C-26b	7373.000	LGLA	LGL-A LONGUEUIL A - MOUILLAGE DE LONGUEUIL	QC	1310	Unlit	0.7m Ice Can	1923	Steel	Yellow	Year Round	9.10	45° 33' 38.582"	73° 30' 32.617"	Serrated	2722	Chain	27.4	28	1
C-26b	7380.100	M193	M193 - ILE SAINTE-HELENE	QC	1310	Unlit	0.7m Ice Can	1923	Steel	Green	Seasonal	10.60	45° 31' 49.962"	73° 32' 9.972"	Serrated	2948	Chain	27.4	28	1
C-26b	7385.500	M207	M207 - JETEE ALEXANDRA	QC	1310	Unlit	0.7m Ice Can	1923	Steel	Green	Seasonal	10.60	45° 30' 9.106"	73° 32' 42.062"	Serrated	1814	Chain	18.3	28	1

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Rivière Richelieu
Contract Area no.:	C-27
Province(s):	Quebec
Contract Area Description:	The Contract Area includes Rivière Richelieu from the mouth of the river to the U.S. border
Coast Guard Depot:	Sorel, Quebec
Commissioning date:	No later than May 25th
Decommissioning date:	No earlier than October 10th
Total no. of buoys:	115
Buoy size :	Varies, 0.22m to 1.5m diameter
Maximum anchor size (weight (kg)):	568
Maximum buoy weight (kg) :	510
Maximum water depth (m) :	8.2
Operational Season:	May 01 to October 15th
Overview of work activities:	<p>32 buoys are seasonal; seasonal buoys are placed in the spring and removed in the fall. 7 summer buoys are replaced with a winter spar.</p> <p>76 buoys are in place year round; 22 buoys have lanterns, the remainder are unlit.</p> <p>At Commissioning, work includes placing of seasonal buoys, swop of winter spars for summer buoys, position verification, addition of lantern and, as required, tape & numbers for year round buoys.</p> <p>Decommissioning work includes lifting of seasonal buoys, swop of summer buoys for a winter spars and removal of 8 lanterns from a year round buoy .</p> <p>Unscheduled work includes response to discrepancies during the operational season.</p>
Comment:	N/A

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-27	2197.000	E45	Bouée lumineuse E45; ILE DESCHAILLONS	QC	1350	Night	0.8m Spar Richelieu	362	Steel	Green	Seasonal	0.00	45° 55' 32.19"	73° 9' 23.25"	Serrated	363	Chain	10.7	14	3
C-27	2207.000	E88	Bouée lumineuse E88; AMONT ECLUSE ST-OURS	QC	1350	Night	0.8m Spar Richelieu	362	Steel	Red	Seasonal	0.00	45° 51' 40.8994"	73° 8' 46.716"	Serrated	363	Chain	10.7	14	3
C-27	2208.000	E87	Bouée lumineuse E87; AMONT ECLUSE ST-OURS	QC	1350	Night	0.8m Spar Richelieu	362	Steel	Green	Seasonal	0.00	45° 51' 40.6704"	73° 8' 44.59"	Serrated	363	Chain	10.7	14	3
C-27	2243.000	E223	Bouée lumineuse E223; RIVIERE RICHELIEU	QC	1350	Night	0.8m Spar Richelieu	362	Steel	Green	Seasonal	0.00	45° 32' 54.1561"	73° 12' 40.8159"	Serrated	363	Chain	10.7	14	3
C-27	2244.500	E224	Bouée lumineuse E224; RIVIERE RICHELIEU	QC	1350	Night	0.8m Spar Richelieu	362	Steel	Red	Seasonal	6.00	45° 32' 49.2"	73° 12' 44.8"	Serrated	363	Chain	12.2	14	3
C-27	2246.000	E225	Bouée lumineuse E225; RIVIERE RICHELIEU	QC	1350	Night	0.8m Spar Richelieu	362	Steel	Green	Seasonal	4.00	45° 32' 47.8"	73° 12' 44.4"	Serrated	400	Chain	10.7	14	3
C-27	2255.500	E259	Bouée lumineuse E259; BASSIN DE CHAMBLY	QC	1351	Night	0.8m Spar Richelieu	362	Steel	Green	Seasonal	3.70	45° 27' 0"	73° 17' 2.4"	Serrated	400	Chain	10.7	14	3
C-27	2257.300	E433	E433	QC	1351	Night	1.5m Discus	215	Aluminum	Green	Seasonal	3.00	45° 11' 55.136"	73° 15' 10.985"	Serrated	363	Chain	9.1	14	3
C-27	2258.100	E443	E443; POINTE CARTIER	QC	1351	Night	1.5m Discus	215	Aluminum	Green	Seasonal	3.70	45° 10' 52.326"	73° 15' 16.031"	Serrated	567	Chain	9.1	14	3
C-27	2258.200	E429	Bouée lumineuse E429; ST-BLAISE	QC	1351	Night	1.5m Discus	215	Aluminum	Green	Seasonal	6.00	45° 12' 40.715"	73° 15' 7.297"	Serrated	363	Chain	12.2	14	3
C-27	2258.310	E440	Bouée lumineuse expérimentale E440; POINTE CARTIER	QC	1351	Night	0.35m Spar VPU 225/355	104	Plastic	Red	Seasonal (in place year round)	2.40	45° 11' 8.992"	73° 15' 16.676"	Serrated	680	Chain	9.1	20	3
C-27	2258.350	E445	Bouée lumineuse expérimentale E445; POINTE CARTIER	QC	1351	Night	0.35m Spar VPU 225/355	104	Plastic	Green	Seasonal (in place year round)	2.40	45° 10' 33.932"	73° 15' 15.994"	Serrated	680	Chain	9.1	20	3
C-27	2258.400	E448	Bouée lumineuse E448; POINTE CARTIER	QC	1351	Night	1.5m Discus	215	Aluminum	Red	Seasonal	2.80	45° 10' 23.228"	73° 15' 18.949"	Serrated	363	Chain	7.6	14	3

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-27	2258.720	NOIX	Bouée lumineuse de bifurcation NOIX	QC	1351	Night	1.5m Discus	215	Aluminum	Green-red-green	Seasonal	6.70	45° 9' .1498"	73° 15' 23.4884"	Serrated	363	Chain	12.2	14	3
C-27	2258.910	EA17	Bouée lumineuse EA17; ILE AUX NOIX	QC	1351	Night	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	4.90	45° 7' 57.232"	73° 15' 54.9126"	Serrated	363	Chain	10.7	14	3
C-27	2258.920	EA19	Bouée lumineuse EA19; ILE AUX NOIX	QC	1351	Night	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	4.30	45° 7' 39.1361"	73° 16' 2.6029"	Serrated	363	Chain	9.1	14	3
C-27	2258.930	EA22	Bouée lumineuse EA22; ILE AUX NOIX	QC	1351	Night	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	5.20	45° 7' 33.6421"	73° 16' 3.547"	Serrated	363	Chain	7.6	14	3
C-27	2258.940	EA23	Bouée lumineuse EA23; ILE AUX NOIX	QC	1351	Night	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	5.50	45° 7' 16.2561"	73° 16' 19.5905"	Serrated	363	Chain	10.7	14	3
C-27	2261.600	FORT	Bouée lumineuse cardinale Sud FORT	QC	1351	Night	0.8m Spar Richelieu	362	Steel	Yellow-black	Seasonal (in place year round)	4.30	45° 6' 52.2722"	73° 16' 27.0508"	Serrated	567	Chain	7.6	14	3
C-27	2270.200	E544	Bouée lumineuse E544; ILE DU SANG	QC	1351	Night	1.5m Discus	215	Aluminum	Red	Seasonal	7.60	45° 2' 48.09"	73° 20' 4.795"	Serrated	363	Chain	9.1	14	3
C-27	2270.500	E549	Bouée lumineuse E549	QC	1351	Night	0.6m Spar Can (Long)	510	Steel	Green	Seasonal (in place year round)	6.70	45° 2' 15.341"	73° 20' 8.668"	Serrated	568.2	Chain	12.2	14	3
C-27	2272.700	E558	Bouée lumineuse E558; QUAI DES DOUANES	QC	1351	Night	1.5m Discus	215	Aluminum	Red	Seasonal	5.20	45° 1' 14.178"	73° 20' 38.302"	Serrated	363	Chain	12.2	14	3
C-27	7192.000	E35	E35; ILE DESCHAILLONS	QC	1350	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	0.00	45° 57' 10.0948"	73° 8' 50.4779"	Serrated	363	Chain	10.7	14	3
C-27	7193.000	E42	E42; RUISSEAU LAHAIE	QC	1350	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	3.40	45° 55' 54.9254"	73° 9' 12.7591"	Serrated	363	Chain	10.7	14	3
C-27	7198.400	E53	E53; ILE DESCHAILLONS	QC	1350	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	0.00	45° 54' 48.5063"	73° 9' 10.7845"	Serrated	363	Chain	10.7	14	3
C-27	7198.600	E55	E55; ILE DESCHAILLONS	QC	1350	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	0.00	45° 54' 36.6927"	73° 9' 15.6325"	Serrated	363	Chain	12.2	14	3
C-27	7198.800	E58	E58; ILE DESCHAILLONS	QC	1350	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	0.00	45° 54' 16.6551"	73° 9' 4.7865"	Serrated	363	Chain	10.7	14	3
C-27	7199.500	E62	E62; ILE DESCHAILLONS	QC	1350	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	0.00	45° 54' 10.4342"	73° 9' 2.8114"	Serrated	363	Chain	10.7	14	3
C-27	7199.700	E64	E64; ILE DESCHAILLONS	QC	1350	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	0.00	45° 54' 4.728"	73° 9' 5.262"	Serrated	363	Chain	10.7	14	3
C-27	7200.000	E67	E67; ST-OURS	QC	1350	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	0.00	45° 53' 57.0517"	73° 9' 4.7404"	Serrated	363	Chain	10.7	14	3
C-27	7200.200	E71	E71; ST-OURS	QC	1350	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	0.00	45° 53' 41.5992"	73° 9' 8.9665"	Serrated	363	Chain	10.7	14	3

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-27	7200.600	E76	E76; ST-OURS	QC	1350	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	0.00	45° 53' 2.3854"	73° 9' 12.4465"	Serrated	363	Chain	10.7	14	3
C-27	7202.400	E81	E81	QC	1350	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	0.00	45° 52' 28.3893"	73° 9' 8.0525"	Serrated	363	Chain	12.2	14	3
C-27	7204.400	E85	E85; AVAL ECLUSE ST-OURS	QC	1350	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	0.00	45° 52' 10.0686"	73° 8' 55.2092"	Serrated	363	Chain	10.7	14	3
C-27	7204.600	E86	E86; AVAL ECLUSE ST-OURS	QC	1350	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	0.00	45° 52' 9.2377"	73° 8' 57.9263"	Serrated	363	Chain	10.7	14	3
C-27	7208.400	E93	E93; RIVIERE RICHELIEU	QC	1350	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	0.00	45° 51' 18.761"	73° 8' 44.2519"	Serrated	363	Chain	10.7	14	3
C-27	7208.600	E94	E94; RIVIERE RICHELIEU	QC	1350	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	0.00	45° 51' 19.386"	73° 8' 46.828"	Serrated	363	Chain	10.7	14	3
C-27	7210.000	E97	E97; RIVIERE RICHELIEU	QC	1350	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	0.00	45° 50' 53.1108"	73° 8' 44.2292"	Concrete	680	Chain	10.7	14	3
C-27	7210.600	E99	E99; RIVIERE RICHELIEU	QC	1350	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	5.80	45° 50' 32.28"	73° 8' 40.83"	Serrated	363	Chain	10.7	14	3
C-27	7212.400	E103	E103 RIVIERE RICHELIEU	QC	1350	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	3.20	45° 50' 5.75"	73° 8' 18.42"	Serrated	363	Chain	10.7	14	3
C-27	7212.600	E104	E104; RUISSEAU BONNIER	QC	1350	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	0.00	45° 50' 3.2871"	73° 8' 23.7212"	Serrated	363	Chain	10.7	14	3
C-27	7214.600	E108	E108; RIVIERE RICHELIEU	QC	1350	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	0.00	45° 48' 50.4713"	73° 8' 55.153"	Serrated	363	Chain	10.7	14	3
C-27	7214.800	E113	E113; RIVIERE RICHELIEU	QC	1350	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	0.00	45° 48' 10.1368"	73° 9' 7.4573"	Serrated	363	Chain	10.7	14	3
C-27	7215.000	E117	E117; ILE DE LA POTERIE	QC	1350	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	0.00	45° 47' 51.2552"	73° 9' 24.1678"	Serrated	363	Chain	10.7	14	3
C-27	7215.500	E124	E124; ST-DENIS	QC	1350	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	0.00	45° 47' 25.7726"	73° 9' 43.3963"	Serrated	363	Chain	10.7	14	3
C-27	7216.000	E131	E131; ST-DENIS	QC	1350	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	0.00	45° 46' 57.7909"	73° 10' .4329"	Concrete	680	Chain	10.7	14	3
C-27	7216.200	E132	E132; ST-DENIS	QC	1350	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	0.00	45° 46' 58.0659"	73° 10' 1.4429"	Serrated	363	Chain	10.7	14	3

Appendix C.2, Central and Arctic Region

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-27	7216.400	E135	E135; ST-ANTOINE	QC	1350	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	0.00	45° 46' 38.5382"	73° 10' 12.5592"	Serrated	363	Chain	10.7	14	3
C-27	7216.500	E136	E136; ST-ANTOINE	QC	1350	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	0.00	45° 46' 38.5702"	73° 10' 14.2143"	Serrated	363	Chain	10.7	14	3
C-27	7216.600	E144	E144; ST-ANTOINE	QC	1350	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	0.00	45° 46' 24.1484"	73° 10' 38.3931"	Serrated	363	Chain	10.7	14	3
C-27	7216.700	E145	E145; RIVIERE RICHELIEU	QC	1350	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	0.00	45° 46' 14.8335"	73° 10' 51.6615"	Serrated	363	Chain	10.7	14	3
C-27	7216.800	E147	E147; RIVIERE RICHELIEU	QC	1350	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	0.00	45° 46' 9.6526"	73° 10' 55.9507"	Serrated	363	Chain	10.7	14	3
C-27	7222.200	E149	E149; RIVIERE RICHELIEU	QC	1350	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	0.00	45° 46' 1.9447"	73° 11' .2758"	Serrated	363	Chain	10.7	14	3
C-27	7222.400	E151	E151; RIVIERE RICHELIEU	QC	1350	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	0.00	45° 45' 43.3449"	73° 11' 4.305"	Serrated	363	Chain	10.7	14	3
C-27	7226.400	E174	E174; ST-CHARLES	QC	1350	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	0.00	45° 42' 10.1414"	73° 11' 27.4641"	Serrated	400	Chain	10.7	14	3
C-27	7226.500	E178	E178; ST-CHARLES	QC	1350	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	0.00	45° 41' 27.142"	73° 11' 20.4644"	Serrated	363	Chain	10.7	14	3
C-27	7227.000	E182	E182; ST-MARC	QC	1350	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	0.00	45° 41' 14.1421"	73° 11' 18.4646"	Concrete	680	Chain	10.7	14	3
C-27	7230.000	E193	E193; ILE JEANNOTTE	QC	1350	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	0.00	45° 39' 15.1254"	73° 12' 1.7784"	Serrated	363	Chain	10.7	14	3
C-27	7232.000	E199	E199; ILE JEANNOTTE	QC	1350	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	0.00	45° 38' 46.1247"	73° 12' 18.3232"	Serrated	363	Chain	10.7	14	3
C-27	7235.000	E201	E201; ILE AUX CERFS	QC	1350	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	0.00	45° 38' 39.8918"	73° 12' 17.5522"	Serrated	363	Chain	10.7	14	3
C-27	7236.000	E203	E203; ILE AUX CERFS	QC	1350	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	0.00	45° 38' 34.7438"	73° 12' 12.4681"	Serrated	363	Chain	10.7	14	3
C-27	7237.000	E205	E205; ILE AUX CERFS	QC	1350	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	0.00	45° 38' 30.7028"	73° 12' 6.112"	Serrated	567	Chain	10.7	14	3
C-27	7239.000	E208	E208; ILE AUX CERFS	QC	1350	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	0.00	45° 38' 24.0679"	73° 11' 50.1565"	Serrated	363	Chain	10.7	14	3

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-27	7240.000	E217	E217; RIVIERE RICHELIEU	QC	1350	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	0.00	45° 33' 20.3269"	73° 12' 19.7582"	Serrated	363	Chain	10.7	14	3
C-27	7241.000	E221	E221; RIVIERE RICHELIEU	QC	1350	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	0.00	45° 33' 4.666"	73° 12' 31.5566"	Serrated	567	Chain	10.7	14	3
C-27	7247.000	E227	E227; OTTERBURN PARK	QC	1350	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	0.00	45° 32' 33.4782"	73° 13' 26.5933"	Serrated	400	Chain	10.7	14	3
C-27	7248.000	E234	E234; RIVIERE RICHELIEU	QC	1350	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	0.00	45° 31' 29.1465"	73° 14' 13.4749"	Serrated	363	Chain	10.7	14	3
C-27	7249.800	E243	E243; BASSIN DE CHAMBLY	QC	1351	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	0.00	45° 28' 16.7682"	73° 16' 28.2464"	Serrated	400	Chain	10.7	14	3
C-27	7250.000	E244	E244; BASSIN DE CHAMBLY	QC	1351	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	0.00	45° 28' 17.2503"	73° 16' 30.1195"	Serrated	363	Chain	10.7	14	3
C-27	7251.000	E248	E248; BASSIN DE CHAMBLY	QC	1351	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	0.00	45° 27' 58.9183"	73° 16' 28.5605"	Serrated	363	Chain	10.7	14	3
C-27	7251.200	E247	E247; BASSIN DE CHAMBLY	QC	1351	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	4.90	45° 27' 57.1323"	73° 16' 26.1745"	Serrated	400	Chain	10.7	14	3
C-27	7252.000	E249	E249; BASSIN DE CHAMBLY	QC	1351	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	4.60	45° 27' 29.1544"	73° 16' 44.7101"	Concrete	453	Chain	10.7	14	3
C-27	7253.000	E254	E254; BASSIN DE CHAMBLY	QC	1351	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	5.80	45° 27' 19.0225"	73° 16' 56.1604"	Concrete	453	Chain	10.7	14	3
C-27	7254.000	E257	E257; BASSIN DE CHAMBLY	QC	1350	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	5.20	45° 27' 5.3505"	73° 17' 2.7907"	Serrated	400	Chain	10.7	14	3
C-27	7255.900	E401	E401; ST-JEAN	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	4.60	45° 18' 10.7501"	73° 14' 53.4885"	Serrated	363	Chain	10.7	14	3
C-27	7256.200	E403	E403; ST-JEAN	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	4.90	45° 18' 7.4561"	73° 14' 54.5856"	Serrated	567	Chain	7.6	14	3
C-27	7256.300	E405	E405; ST-JEAN	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	4.30	45° 18' 3.0152"	73° 14' 54.4926"	Serrated	567	Chain	7.6	14	3
C-27	7257.100	E430	E430	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	2.10	45° 12' 6.325"	73° 15' 12.09"	Serrated	363	Chain	7.6	14	3
C-27	7257.700	E434	E434	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	2.10	45° 11' 41.671"	73° 15' 14.063"	Serrated	363	Chain	7.6	14	3
C-27	7258.340	E444	E444; POINTE CARTIER	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	3.00	45° 10' 39.502"	73° 15' 17.978"	Serrated	363	Chain	7.6	14	3
C-27	7258.510	E452	E452; POINTE DE BLEURY	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	3.00	45° 9' 57.452"	73° 15' 22.738"	Serrated	363	Chain	7.6	14	3

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-27	7258.750	E465	E465; BAIE MCGILLIVRAY	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	6.70	45° 8' 43.7089"	73° 15' 19.1584"	Serrated	363	Chain	7.6	14	3
C-27	7258.760	E466	E466; BAIE MCGILLIVRAY	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	2.70	45° 8' 41.5679"	73° 15' 21.1014"	Serrated	363	Chain	9.1	14	3
C-27	7258.770	E469	E469; BAIE MCGILLIVRAY	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	6.70	45° 8' 23.452"	73° 15' 16.8004"	Serrated	363	Chain	9.1	14	3
C-27	7258.780	E470	E470; BAIE MCGILLIVRAY	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	3.40	45° 8' 23.452"	73° 15' 18.9525"	Serrated	363	Chain	9.1	14	3
C-27	7258.800	E476	E476; ILE AUX NOIX	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	5.20	45° 7' 57.6821"	73° 15' 16.3506"	Serrated	363	Chain	9.1	14	3
C-27	7258.900	E477	E477; ILE AUX NOIX	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	6.70	45° 7' 35.7342"	73° 15' 20.0408"	Serrated	363	Chain	9.1	14	3
C-27	7258.901	EA7	EA7; ILE AUX NOIX	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	0.00	45° 8' 50.3488"	73° 15' 25.2755"	Serrated	363	Chain	10.7	14	3
C-27	7258.902	EA9	EA9; ILE AUX NOIX	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	6.10	45° 8' 42.7039"	73° 15' 27.6146"	Serrated	363	Chain	9.1	14	3
C-27	7258.903	EA10	EA10; ILE AUX NOIX	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	7.30	45° 8' 45.4558"	73° 15' 31.6977"	Serrated	363	Chain	10.7	14	3
C-27	7258.904	EA11	EA11; ILE AUX NOIX	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	6.40	45° 8' 32.3029"	73° 15' 31.9608"	Serrated	363	Chain	9.1	14	3
C-27	7258.905	EA12	EA12; ILE AUX NOIX	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	7.30	45° 8' 31.6509"	73° 15' 35.9649"	Serrated	363	Chain	9.1	14	3
C-27	7258.906	EA13	EA13; ILE AUX NOIX	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	5.20	45° 8' 19.9089"	73° 15' 33.1169"	Serrated	363	Chain	9.1	14	3
C-27	7258.907	EA14	EA14; ILE AUX NOIX	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	8.20	45° 8' 19.6759"	73° 15' 36.97"	Serrated	363	Chain	10.7	14	3
C-27	7258.908	EA15	EA15; ILE AUX NOIX	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	7.30	45° 8' 6.106"	73° 15' 41.7782"	Serrated	363	Chain	10.7	14	3
C-27	7258.909	EA16	EA16; ILE AUX NOIX	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	7.90	45° 8' 8.15"	73° 15' 42.6892"	Serrated	363	Chain	10.7	14	3

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BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-27	7258.942	EA25	EA25; ILE AUX NOIX	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	5.80	45° 7' 4.7181"	73° 16' 28.0858"	Serrated	363	Chain	7.6	14	3
C-27	7258.950	EA26	EA26; ILE AUX NOIX	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	5.80	45° 7' 4.7691"	73° 16' 29.3658"	Serrated	363	Chain	9.1	14	3
C-27	7258.951	EA27	EA27; ILE AUX NOIX	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	6.40	45° 6' 56.7742"	73° 16' 29.3278"	Serrated	363	Chain	7.6	14	3
C-27	7258.960	EA28	EA28; ILE AUX NOIX	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	7.00	45° 6' 56.6322"	73° 16' 30.0849"	Serrated	363	Chain	7.6	14	3
C-27	7258.962	EA30	EA30; ILE AUX NOIX	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	3.70	45° 6' 51.7602"	73° 16' 28.0628"	Serrated	567	Chain	7.6	14	3
C-27	7262.000	E508	E508; POINTE A L'ESTURGEON	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	5.50	45° 6' 24.0833"	73° 16' 51.9166"	Concrete	453	Chain	9.1	14	3
C-27	7264.000	E515	E515; POINTE HILLMAN	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	4.60	45° 5' 59.6422"	73° 17' 41.197"	Concrete	680	Chain	7.6	14	3
C-27	7266.500	E522	E522; POINTE NAYLOR	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	5.20	45° 5' 24.2651"	73° 18' 43.0488"	Serrated	567	Chain	9.1	14	3
C-27	7266.600	E523	E523; RIVIERE RICHELIEU	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	5.20	45° 5' 11.65"	73° 18' 58.7"	Serrated	567	Chain	9.1	14	3
C-27	7267.000	E525	E525; ILE DE L'HOPITAL	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	5.20	45° 5' 4.3501"	73° 19' 9.4956"	Concrete	680	Chain	7.6	14	3
C-27	7267.100	E529	E529; ILE DE L'HOPITAL	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	7.00	45° 4' 35.1503"	73° 19' 17.4961"	Serrated	567	Chain	9.1	14	3
C-27	7267.200	E533	E533; ILE AUX TETES	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	4.00	45° 4' 16.6505"	73° 19' 20.4963"	Serrated	363	Chain	10.7	14	3
C-27	7269.800	E543	E543; ILE DU SANG	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	6.40	45° 2' 50.5522"	73° 20' 1.9043"	Serrated	363	Chain	9.1	14	3
C-27	7270.000	E542	E542; ILE DU SANG	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	6.10	45° 3' 11.001"	73° 19' 59.71"	Serrated	363	Chain	9.1	14	3
C-27	7270.100	E545	E545; ILE DU SANG	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	5.80	45° 2' 45.6392"	73° 20' 2.7783"	Serrated	363	Chain	9.1	14	3

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-27	7270.300	E548	E548; ILE DU SANG	QC	1351	Unlit	0.8m Spar Richelieu	362	Steel	Red	Seasonal (in place year round)	2.40	45° 2' 37.198"	73° 20' 7.244"	Serrated	363	Chain	9.1	14	3
C-27	7272.200	E550	E550; QUAI DES DOUANES	QC	1351	Unlit	0.6m Spar Conical (Long)	637	Steel	Red	Seasonal (in place year round)	4.90	45° 1' 39.61"	73° 20' 28.48"	Serrated	363	Chain	9.1	14	3
C-27	7272.510	E552	BOUÉE E552 - QUAI DES DOUANES CANTIC	QC	1351	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal (in place year round)	1.90	45° 1' 28.07"	73° 20' 52.97"	DOR-MOR	34	Chain	7.6	14	3
C-27	7272.530	E553	BOUÉE EXPÉRIMENTALE E553 - QUAI DES DOUANES CANTIC	QC	1351	Unlit	0.22m Spar VEP 2.0	39	Plastic	Green	Seasonal (in place year round)	1.80	45° 1' 27.22"	73° 20' 52.98"	DOR-MOR	34	Chain	4.6	14	3

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Lac Memphrémagog
Contract Area no.:	C-28
Province(s):	Quebec
Contract Area Description:	The Contract Area includes Lac Memphrémagog from the mouth of the Magog river to the U.S. border
Coast Guard Depot:	Sorel, Quebec
Commissioning date:	No later than May 15th
Decommissioning date:	No earlier than October 10th
Total no. of buoys:	21
Buoy size :	Varies, 0.3m to 0.75m diameter
Maximum anchor size (weight (kg)):	227
Maximum buoy weight (kg) :	45
Maximum water depth (m) :	10
Operational Season:	May 01 to October 15th
Overview of work activities:	All buoys are seasonal; seasonal buoys are placed in the spring and removed in the fall. 3 buoys have lanterns; the remainder are unlit. At Commissioning, work includes placing of seasonal buoys . Decommissioning work includes lifting of seasonal buoys. Unscheduled work includes response to discrepancies during the operational season.
Comment:	

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-28	2390.000	K20	Bouée lumineuse K20; RIVIERE MAGOG	QC	1361	Night	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	2.00	45° 15' 45.2"	72° 9' 42.7"	Serrated	136	Chain	12.2	14	3
C-28	2390.400	K29	Bouée lumineuse K29; ILES LES TROIS SOEURS	QC	1361	Night	0.75m SB 105 Can	52	Plastic	Green	Seasonal	7.90	45° 14' 54.71"	72° 10' 41.17"	Serrated	136	Chain	18.3	14	3
C-28	2390.500	K33	Bouée lumineuse K33; ILES LES TROIS SOEURS OUEST	QC	1361	Night	0.75m SB 105 Can	52	Plastic	Green	Seasonal	2.90	45° 14' 31.84"	72° 10' 59.23"	Serrated	136	Chain	18.3	14	3
C-28	7389.010	K2	K2	QC	1361	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	3.40	45° 15' 55.5"	72° 9' 12.05"	Serrated	227	Chain	6.1	14	3
C-28	7389.020	K3	K3	QC	1361	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	2.00	45° 15' 54.95"	72° 9' 12.05"	Serrated	227	Chain	6.1	14	3
C-28	7389.030	K4	K4	QC	1361	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	1.80	45° 15' 56.37"	72° 9' 15.87"	Serrated	227	Chain	6.1	14	3
C-28	7389.040	K5	K5	QC	1361	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	2.30	45° 15' 55.79"	72° 9' 16.16"	Serrated	227	Chain	6.1	14	3
C-28	7389.050	K6	K6	QC	1361	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	2.10	45° 15' 56.29"	72° 9' 23.34"	Serrated	227	Chain	6.1	14	3
C-28	7389.060	K7	K7	QC	1361	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	2.00	45° 15' 55.9"	72° 9' 22.7"	Serrated	227	Chain	6.1	14	3
C-28	7389.070	K8	K8	QC	1361	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	1.80	45° 15' 53.6"	72° 9' 26.25"	Serrated	227	Chain	6.1	14	3
C-28	7389.080	K9	K9	QC	1361	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	3.00	45° 15' 53.39"	72° 9' 25.47"	Serrated	227	Chain	6.1	14	3
C-28	7391.000	K40	K40; POINTE GREEN	QC	1361	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	6.00	45° 13' 49.81"	72° 12' 5.87"	Serrated	136	Chain	12.2	14	3
C-28	7393.000	K50	K50; ILE LORDS	QC	1361	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	4.50	45° 10' 27.15"	72° 14' 10.55"	Serrated	136	Chain	10.7	14	3
C-28	7395.000	K69	K69; ILE MOLSON	QC	1361	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	4.80	45° 5' 35.36"	72° 16' 36.7"	Serrated	136	Chain	9.1	14	3
C-28	7397.010	LONGA	LONGA ; LONGUE A	QC	1361	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Yellow	Seasonal	1.80	45° 4' 12.83"	72° 16' 3.75"	Serrated	136	Chain	9.1	14	3
C-28	7397.020	LONGB	LONGB ; LONGUE B	QC	1361	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Yellow	Seasonal	9.10	45° 4' 13.25"	72° 16' 1.87"	Serrated	136	Chain	9.1	14	3
C-28	7397.030	LONGC	LONGC ; LONGUE C	QC	1361	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Yellow	Seasonal	9.10	45° 4' 13.61"	72° 16' .35"	Serrated	136	Chain	9.1	14	3
C-28	7397.040	SKINA	SKINA ; SKINNER A	QC	1361	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Yellow	Seasonal	3.00	45° 3' 31.58"	72° 15' 55.34"	Serrated	136	Chain	9.1	14	3
C-28	7397.050	SKINB	SKINB SKINNER B	QC	1361	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Yellow	Seasonal	3.10	45° 3' 31.44"	72° 15' 54.11"	Serrated	136	Chain	9.1	14	3
C-28	7397.060	SUNK	SUNK	QC	1361	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Yellow	Seasonal	3.00	45° 2' 52.09"	72° 16' 45.86"	Serrated	136	Chain	13.7	14	3

															Anchor		Mooring			
Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Type	Size (kg)	Type	Length (m)	Size (mm)	Importance
C-28	7397.070	CAST	Bouée non lumineuse CAST; lac Memphremagog	QC	1361	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Yellow	Seasonal	10.00	45° 15' 34"	72° 11' 18"	Serrated	45	Chain	6.1	14	3

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Trois-Rivières à Montréal, chenaux secondaires
Contract Area no.:	C-29 A, B
Province(s):	Quebec
Contract Area Description:	The Contract Area includes the channels between Montréal and Trois-Rivières: Secondary (A), Commercial (B)
Coast Guard Depot:	Sorel, Quebec
Commissioning date:	No later than May 15th
Decommissioning date:	No earlier than October 10th
Total no. of buoys:	147 total, 133 (A), 14 (B)
Buoy size :	Varies, 0.3m to 1.5m diameter
Maximum anchor size (weight (kg)):	1814 (A), 3630 (B)
Maximum buoy weight (kg) :	1811 (A), 1923 (B)
Maximum water depth (m) :	15.2 (A), 10.6 (B)
Operational Season:	April 15 to October 31th
Overview of work activities:	<p>143 buoys are seasonal; seasonal buoys are placed in the spring and removed in the fall. 4 buoys are in place year round</p> <p>32 buoys have lanterns; the remainder are unlit.</p> <p>At Commissioning, work includes position verification, addition of lantern and, as required, tape & numbers for year round buoys, as well as placing of seasonal buoys.</p> <p>Decommissioning work includes lifting of seasonal buoys and removal of 1 lantern from a year round buoy.</p> <p>Unscheduled work includes response to discrepancies during the operational season.</p>
Comment:	N/A

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-29a	2365.510	MT1	Bouée lumineuse MT1	QC	1310	Night	1.5m Discus	215	Aluminum	Green	Seasonal	2.70	45° 41' 22.14"	73° 26' 52.496"	Concrete	363	Chain	9.1	14	3
C-29a	2365.650	MT31	Bouée lumineuse MT31	QC	1310	Night	1.5m Discus	215	Aluminum	Green	Seasonal	4.20	45° 38' 25.8"	73° 27' 1.5"	Concrete	363	Chain	9.1	14	3
C-29a	2365.690	MT40	Bouée lumineuse MT40	QC	1310	Night	1.5m Discus	215	Aluminum	Red	Seasonal	5.70	45° 37' 9.14"	73° 27' 36.5"	Concrete	363	Chain	12.2	14	3
C-29a	2365.800	MT66	Bouée lumineuse MT66	QC	1310	Night	1.5m Discus	215	Aluminum	Red	Seasonal	4.20	45° 34' 32.142"	73° 29' 22.504"	Concrete	363	Chain	9.1	14	3
C-29a	2365.820	MT68	Bouée lumineuse MT68	QC	1310	Night	1.5m Discus	215	Aluminum	Red	Seasonal	4.00	45° 34' 29.75"	73° 29' 36.46"	Serrated	363	Chain	9.1	14	3
C-29a	2365.830	MT69	Bouée lumineuse MT69	QC	1310	Night	1.5m Discus	215	Aluminum	Green	Seasonal	4.50	45° 34' 13.87"	73° 30' 4.27"	Concrete	363	Chain	9.1	14	3
C-29a	2365.910	MT79	Bouée lumineuse MT79	QC	1310	Night	0.75m SB 105 Can	52	Plastic	Green	Seasonal	3.60	45° 32' 38.1"	73° 31' 21.7"	Concrete	363	Chain	12.2	14	3
C-29a	2365.930	MT81	Bouée lumineuse MT81	QC	1310	Night	1.5m Discus	215	Aluminum	Green	Seasonal	3.60	45° 32' 26.8"	73° 31' 26.6"	Concrete	363	Chain	12.2	14	3
C-29a	2365.950	MT85	Bouée lumineuse MT85	QC	1310	Night	1.5m Discus	215	Aluminum	Green	Seasonal	7.00	45° 32' 18.143"	73° 31' 21.808"	Concrete	363	Chain	12.2	14	3
C-29a	7348.010	MX1	MX1	QC	1310	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	0.00	45° 38' 34"	73° 28' 17"	Serrated	363	Chain	10.7	14	3
C-29a	7348.020	MX2	MX2	QC	1310	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	0.00	45° 38' 38"	73° 28' 20"	Serrated	363	Chain	10.7	14	3
C-29a	7365.530	MT3	MT3	QC	1310	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	2.10	45° 41' 3.14"	73° 26' 55.497"	Concrete	363	Chain	9.1	14	3
C-29a	7365.540	MT5	MT5	QC	1310	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal		45° 40' 54.71"	73° 26' 51.95"	Concrete	363	Chain	9.1	14	3
C-29a	7365.570	MT22	MT22	QC	1310	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	5.10	45° 39' 10.141"	73° 27' 13"	Concrete	363	Chain	9.1	14	3
C-29a	7365.590	MT23	MT23	QC	1310	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	1.80	45° 39' .141"	73° 27' 10"	Concrete	363	Chain	9.1	14	3
C-29a	7365.600	MT25	MT25	QC	1310	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	1.80	45° 38' 44.598"	73° 27' 9.883"	Concrete	363	Chain	9.1	14	3
C-29a	7365.610	MT26	MT26	QC	1310	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	1.80	45° 38' 44.621"	73° 27' 12.191"	Concrete	363	Chain	9.1	14	3
C-29a	7365.630	MT28	MT28	QC	1310	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	4.20	45° 38' 26.6"	73° 27' 6"	Concrete	363	Chain	9.1	14	3
C-29a	7365.700	MT46	MT46	QC	1310	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	6.00	45° 36' 20.142"	73° 27' 38.5"	Concrete	363	Chain	12.2	14	3
C-29a	7365.710	MT53	MT53	QC	1310	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	2.70	45° 35' 46.142"	73° 27' 46.501"	Concrete	363	Chain	9.1	14	3
C-29a	7365.730	MT59	MT59	QC	1310	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	2.70	45° 34' 57.641"	73° 28' 30.502"	Concrete	363	Chain	9.1	14	3
C-29a	7365.750	MT60	MT60	QC	1310	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	2.70	45° 34' 59.14"	73° 28' 33.605"	Concrete	363	Chain	9.1	14	3
C-29a	7365.770	MT64	MT64	QC	1310	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	2.70	45° 34' 38.142"	73° 29' 7.504"	Concrete	363	Chain	9.1	14	3
C-29a	7365.790	MT65	MT65	QC	1310	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	2.70	45° 34' 30.142"	73° 29' 21.504"	Concrete	363	Chain	9.1	14	3

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-29a	7311.210	MV37	MV37	QC	1310	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	6.40	45° 41' 4.8"	73° 29' 1.2"	Serrated	227	Chain	10.7	14	3
C-29a	7311.220	MV41	MV41	QC	1310	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	5.50	45° 40' 42.5"	73° 29' 15"	Serrated	363	Chain	10.7	14	3
C-29a	7311.230	VEAU	Bouée de bifurcation VEAU	QC	1310	Unlit	0.8m Spar Richelieu	362	Steel	Red-green-red	Seasonal	5.50	45° 39' 32.4"	73° 29' 9"	Serrated	227	Chain	9.1	14	3
C-29a	7311.240	MV54	MV54; ILE AU VEAU	QC	1310	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	5.50	45° 39' 13.8"	73° 28' 55.8"	Serrated	227	Chain	10.7	14	3
C-29a	7311.250	MV58	MV58	QC	1310	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	5.20	45° 39' 1.2"	73° 28' 51"	Serrated	363	Chain	9.1	14	3
C-29a	7311.301	MU1	MU1; ILE BOURDON	QC	1310	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	6.10	45° 42' 44.4"	73° 26' 59.4"	Serrated	227	Chain	7.6	14	3
C-29a	7311.302	MU2	MU2; ILE AUX CERFEUILS	QC	1310	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	6.10	45° 42' 46.94"	73° 27' 8.695"	Concrete	227	Chain	7.6	14	3
C-29a	7311.303	MU3	MU3; ILE A L'AIGLE	QC	1310	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	7.00	45° 42' 32.4"	73° 27' 24.6"	Serrated	136	Chain	12.2	14	3
C-29a	7311.304	MU4	MU4; ILE AUX CERFEUILS	QC	1310	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	8.20	45° 42' 35.4"	73° 27' 23.4"	Concrete	227	Chain	9.1	14	3
C-29a	7311.305	MU5	MU5; ILE AUX CERFEUILS	QC	1310	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	4.00	45° 42' 34"	73° 27' 41"	Serrated	363	Chain	12.2	14	3
C-29a	7311.306	MU6	MU6; ILE AUX CERFEUILS	QC	1310	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	6.10	45° 42' 35.4"	73° 27' 37.8"	Serrated	363	Chain	12.2	14	3
C-29a	7311.307	MU7	MU7; ILE A L'AIGLE	QC	1310	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	4.00	45° 42' 34.2"	73° 27' 56.4"	Serrated	363	Chain	12.2	14	3
C-29a	2313.400	MQ32	Bouée lumineuse MQ32	QC	1311	Night	0.8m Spar Richelieu	362	Steel	Red	Seasonal	0.00	45° 50' 55.6296"	73° 16' .9029"	Serrated	363	Chain	10.7	14	3
C-29a	2313.500	MQ27	Bouée lumineuse MQ27	QC	1311	Night	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	0.00	45° 51' 10.363"	73° 14' 56.873"	Serrated	363	Chain	10.7	14	3
C-29a	7284.200	MQ1	MQ1	QC	1311	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	0.00	45° 54' 12.131"	73° 12' 44.462"	Serrated	363	Chain	12.2	14	3
C-29a	7284.300	MQ2	MQ2; ILE DUVAL	QC	1311	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	0.00	45° 54' 11.631"	73° 12' 51.462"	Serrated	363	Chain	10.7	14	3
C-29a	7284.310	MQ9	MQ9	QC	1311	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	0.00	45° 53' 20.138"	73° 13' 7.948"	Serrated	363	Chain	10.7	14	3
C-29a	7284.330	MQ15	MQ15	QC	1311	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	0.00	45° 52' 54.633"	73° 13' 19.463"	Serrated	363	Chain	10.7	14	3
C-29a	7284.350	MQ21	MQ21	QC	1311	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal (in place year round)	5.00	45° 52' 11.634"	73° 13' 48.464"	Serrated	363	Chain	10.7	14	3
C-29a	7284.390	MQ31	MQ31	QC	1311	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	0.00	45° 50' 54.895"	73° 16' .025"	Serrated	363	Chain	10.7	14	3
C-29a	7325.010	MA1	MA1 ; CHENAL ST-PIERRE	QC	1311	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	2.80	45° 47' 31.2"	73° 21' 8.96"	Concrete	136	Chain	6.1	14	3

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-29a	7325.020	MA2	MA2 ; CHENAL ST-PIERRE	QC	1311	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	2.60	45° 47' 31.5"	73° 21' 9.4"	Concrete	227	Chain	6.1	14	3
C-29a	7325.030	MA3	MA3 ; CHENAL ST-PIERRE	QC	1311	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	2.10	45° 47' 29.83"	73° 21' 13.98"	Concrete	136	Chain	4.6	14	3
C-29a	7325.040	MA4	MA4 ; CHENAL ST-PIERRE	QC	1311	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	2.20	45° 47' 30.44"	73° 21' 13.31"	Concrete	136	Chain	6.1	14	3
C-29a	7325.050	MA5	MA5 ; CHENAL ST-PIERRE	QC	1311	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	3.10	45° 47' 24.7"	73° 21' 29.4"	Concrete	136	Chain	6.1	14	3
C-29a	7325.070	MA7	MA7 ; CHENAL ST-PIERRE	QC	1311	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	3.30	45° 47' 8"	73° 22' 15"	Concrete	136	Chain	4.6	14	3
C-29a	7325.080	MA8	MA8 ; CHENAL ST-PIERRE	QC	1311	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	3.00	45° 47' 8.58"	73° 22' 16.14"	Concrete	136	Chain	6.1	14	3
C-29a	7325.090	MA9	MA9 ; CHENAL ST-PIERRE	QC	1311	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	3.30	45° 47' 17.196"	73° 22' 39.96"	Concrete	136	Chain	6.1	14	3
C-29a	7325.110	MA11	MA11 ; CHENAL ST-PIERRE	QC	1311	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	4.00	45° 47' 19.69"	73° 22' 43.02"	Serrated	227	Chain	6.1	14	3
C-29a	7325.120	MA12	MA12 ; CHENAL ST-PIERRE	QC	1311	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	3.70	45° 47' 17.66"	73° 22' 39.31"	Serrated	363	Chain	7.6	14	3
C-29a	7325.140	MA14	MA14 ; CHENAL ST-PIERRE	QC	1311	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	2.50	45° 47' 19.37"	73° 22' 40.93"	Concrete	363	Chain	4.6	14	3
C-29a	7325.150	CSP	CSP; CHENAL ST-PIERRE	QC	1311	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Yellow	Seasonal	3.40	45° 47' 20.25"	73° 22' 42.76"	Serrated	227	Chain	6.1		3
C-29a	2185.300	MP1	Bouée lumineuse MP1	QC	1312	Night	1.5m Discus	215	Aluminum	Green	Seasonal	0.00	46° 2' 54.57"	73° 9' 50.82"	Serrated	363	Chain	6.1	14	3
C-29a	2296.200	MS9	Bouée lumineuse MS9	QC	1311	Night	1.5m Discus	215	Aluminum	Green	Seasonal	6.00	45° 53' 37.338"	73° 15' 17.916"	Serrated	363	Chain	15.2	14	3
C-29a	2297.000	MS20	Bouée lumineuse MS20	QC	1311	Night	1.5m Discus	215	Aluminum	Red	Seasonal	4.50	45° 52' 17.089"	73° 15' 51.761"	Serrated	363	Chain	12.2	14	3
C-29a	2298.000	MS29	Bouée lumineuse MS29	QC	1311	Night	1.5m Discus	215	Aluminum	Green	Seasonal	6.20	45° 51' 2.23"	73° 17' 15.56"	Serrated	363	Chain	15.2	14	3
C-29a	2299.600	MS39	Bouée lumineuse MS39	QC	1311	Night	1.5m Discus	215	Aluminum	Green	Seasonal	5.20	45° 49' 25.7"	73° 20' 1.377"	Serrated	363	Chain	15.2	14	3
C-29a	2301.600	MS43	Bouée lumineuse MS43	QC	1311	Night	1.5m Discus	215	Aluminum	Green	Seasonal	5.00	45° 48' 49"	73° 21' 37.3"	Serrated	363	Chain	15.2	14	3
C-29a	2308.400	LEBEL	Bouée lumineuse de bifurcation LEBEL	QC	1310	Night	1.5m Discus	215	Aluminum	Red-green-red	Seasonal	5.70	45° 44' 8.673"	73° 26' 14.606"	Serrated	363	Chain	12.2	14	3
C-29a	2309.000	MV6	Bouée lumineuse MV6; ILE À LA PIERRE	QC	1310	Night	0.8m Spar Richelieu	362	Steel	Red	Seasonal	8.20	45° 43' 49.08"	73° 26' 42.12"	Serrated	363	Chain	10.7	14	3
C-29a	7185.310	MP2	MP2	QC	1312	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	0.00	46° 2' 55.678"	73° 9' 49.8263"	Serrated	363	Chain	4.5	14	3
C-29a	7185.320	MP5	MP5	QC	1312	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	0.00	46° 2' 57.397"	73° 10' 1.4893"	Concrete	136	Chain	4.5	14	3
C-29a	7185.330	MP6	MP6	QC	1312	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	0.00	46° 2' 57.78"	73° 10' 1.23"	Concrete	136	Chain	4.5	14	3

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-29a	7185.340	FOINS	Bouée de bifurcation FOINS	QC	1311	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red-green-red	Seasonal	7.00	46° 2' 41.64"	73° 10' 35.1"	Concrete	227	Chain	4.6	14	3
C-29a	7185.350	MP11	MP11	QC	1311	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	0.00	46° 1' 24.119"	73° 10' 51.468"	Serrated	181	Chain	7.6	14	3
C-29a	7185.370	MP13	MP13	QC	1311	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	0.00	46° 1' 10.119"	73° 10' 49.968"	Serrated	181	Chain	7.6	14	3
C-29a	7185.390	MP15	MP15	QC	1311	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	0.00	46° 0' 58.119"	73° 10' 44.468"	Serrated	181	Chain	6.1	14	3
C-29a	7185.400	MP16	MP16	QC	1311	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	0.00	46° 0' 58.14"	73° 10' 47.28"	Serrated	181	Chain	6.1	14	3
C-29a	7185.450	MP41	MP41	QC	1311	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	8.00	45° 52' 37.135"	73° 16' 28.469"	Serrated	363	Chain	10.7	14	3
C-29a	7185.460	MP42	MP42	QC	1311	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	0.00	45° 52' 33.135"	73° 16' 34.469"	Serrated	181	Chain	10.7	14	3
C-29a	7185.470	MP43	MP43	QC	1311	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	0.00	45° 52' 22.635"	73° 16' 19.469"	Serrated	363	Chain	10.7	14	3
C-29a	7185.480	MP44	MP44	QC	1311	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	0.00	45° 52' 18.135"	73° 16' 35.469"	Serrated	181	Chain	10.7	14	3
C-29a	7295.400	MS4	MS4	QC	1311	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	6.00	45° 56' .167"	73° 13' 31.07"	Serrated	200	Chain	15.2	14	3
C-29a	7296.000	MS8	MS8	QC	1311	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	6.00	45° 54' 26.57"	73° 14' 44.274"	Serrated	200	Chain	15.2	14	3
C-29a	7296.400	MS10	MS10	QC	1311	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	4.50	45° 53' 38.432"	73° 15' 21.894"	Serrated	200	Chain	12.2	14	3
C-29a	7296.500	MS17	MS17	QC	1311	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	5.00	45° 53' 1.62"	73° 15' 29.82"	Serrated	200	Chain	12.2	14	3
C-29a	7296.600	MS18	MS18	QC	1311	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	5.00	45° 53' 1.62"	73° 15' 34.74"	Serrated	200	Chain	12.2	14	3
C-29a	7297.200	MS21	MS21	QC	1311	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	4.00	45° 52' 15.712"	73° 15' 47.889"	Serrated	363	Chain	15.2	14	3
C-29a	7299.200	MS33	MS33	QC	1311	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	5.70	45° 50' 29.635"	73° 18' 10.809"	Serrated	363	Chain	15.2	14	3
C-29a	7299.400	MS36	MS36	QC	1311	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	7.00	45° 50' .12"	73° 19' 8.88"	Serrated	200	Chain	15.2	14	3
C-29a	7305.200	MS50	MS50	QC	1311	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	9.00	45° 48' 1.024"	73° 22' 37.023"	Serrated	363	Chain	15.2	14	3
C-29a	7305.400	MS51	MS51	QC	1311	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	9.00	45° 46' 57.973"	73° 23' 30.318"	Serrated	363	Chain	15.2	14	3
C-29a	7306.000	MS54	MS54	QC	1311	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	10.00	45° 45' 58.134"	73° 24' 30.686"	Serrated	200	Chain	15.2	14	3
C-29a	7306.200	MS57	MS57	QC	1311	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	9.00	45° 45' 28.014"	73° 25' .135"	Serrated	200	Chain	15.2	14	3
C-29a	7306.400	MS59	MS59 - REPENTIGNY	QC	1310	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	6.40	45° 44' 51.015"	73° 25' 42.985"	Serrated	200	Chain	15.2	14	3

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-29a	7306.600	MS60	MS60 - REPENTIGNY	QC	1310	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	6.40	45° 44' 54.135"	73° 25' 44.82"	Serrated	136	Chain	15.2	14	3
C-29a	7308.200	MS63	MS63	QC	1310	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	5.70	45° 44' 10.057"	73° 26' 9.821"	Serrated	363	Chain	12.2	14	3
C-29a	7308.600	MS69	MS69	QC	1310	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	9.70	45° 43' 22.625"	73° 26' 25.152"	Serrated	363	Chain	15.2	14	3
C-29a	7308.800	MS72	MS72	QC	1310	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	8.00	45° 42' 42.827"	73° 26' 42.344"	Serrated	363	Chain	15.2	14	3
C-29a	7308.950	MV1	MV1; ILE LEBEL	QC	1310	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	4.60	45° 44' 7.2"	73° 26' 17.4"	Serrated	363	Chain	6.1	14	3
C-29a	7308.960	MV2	MV2; ILE LEBEL	QC	1310	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	8.20	45° 44' 9"	73° 26' 23.4"	Concrete	363	Chain	10.7	14	3
C-29a	7308.970	MV3	MV3; ILE LEBEL	QC	1310	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	7.00	45° 43' 56.4"	73° 26' 31.8"	Serrated	363	Chain	12.2	14	3
C-29a	7308.980	MV4	MV4; ILE LEBEL	QC	1310	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	7.30	45° 44' 0"	73° 26' 31.8"	Serrated	227	Chain	10.7	14	3
C-29a	7308.990	MV5	MV5; ILE À LA PIERRE	QC	1310	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	4.90	45° 43' 47.16"	73° 26' 40.32"	Serrated	227	Chain	9.1	14	3
C-29a	7309.100	MV7	MV7	QC	1310	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	6.10	45° 43' 39.6"	73° 26' 54"	Concrete	363	Chain	9.1	14	3
C-29a	7309.500	MV8	MV8	QC	1310	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	2.70	45° 43' 43.14"	73° 26' 53.94"	Serrated	363	Chain	9.1	14	3
C-29a	7310.000	MV9	MV9	QC	1310	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	4.30	45° 43' 37.32"	73° 27' 7.62"	Serrated	227	Chain	9.1	14	3
C-29a	7310.100	MV10	MV10	QC	1310	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	5.50	45° 43' 40.2"	73° 27' 7.2"	Serrated	227	Chain	9.1	14	3
C-29a	7310.200	MV11	MV11	QC	1310	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	8.50	45° 43' 32.472"	73° 27' 14.334"	Serrated	227	Chain	12.2	14	3
C-29a	7310.300	MV12	MV12	QC	1310	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	7.60	45° 43' 32.4"	73° 27' 15.6"	Serrated	363	Chain	9.1	14	3
C-29a	7310.400	MV14	MV14; ILE AUX COCHONS	QC	1310	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	8.50	45° 43' 22.2"	73° 27' 27"	Serrated	363	Chain	9.1	14	3
C-29a	7310.500	MV16	MV16	QC	1310	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	15.20	45° 43' 11"	73° 27' 43"	Serrated	363	Chain	15.2	14	3
C-29a	7310.800	MV17	MV17; ILE AUX BOIS BLANC	QC	1310	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	6.70	45° 43' 1.98"	73° 27' 49.5"	Serrated	227	Chain	9.1	14	3
C-29a	7310.810	MV18	MV18; ILE AU BOIS BLANC	QC	1310	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	7.90	45° 43' 2.4"	73° 27' 54"	Serrated	227	Chain	9.1	14	3
C-29a	7310.820	MV19	MV19; ILE AU BOIS BLANC	QC	1310	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	7.90	45° 42' 52.56"	73° 27' 56.76"	Serrated	227	Chain	9.1	14	3
C-29a	7310.830	MV21	MV21; ILE AU BOIS BLANC	QC	1310	Unlit	0.75m SB 105 Can	52	Plastic	Green	Seasonal	7.30	45° 42' 43.8"	73° 28' 0"	Serrated	227	Chain	9.1	14	3
C-29a	7310.900	MV22	MV22; ILE AU BOIS BLANC	QC	1310	Unlit	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	8.20	45° 42' 42.12"	73° 28' 3.9"	Serrated	363	Chain	9.1	14	3
C-29a	7333.410	VARA	VAR-A VARENNES A	QC	1310	Unlit	0.6m Spar Can (Long)	510	Steel	Yellow	Seasonal	6.70	45° 42' 31.956"	73° 26' 4.647"	Serrated	567	Chain	22.9	20	1
C-29a	7333.420	VARB	VAR-B VARENNES B	QC	1310	Unlit	0.6m Spar Can (Long)	510	Steel	Yellow	Seasonal	6.00	45° 42' 23.719"	73° 26' 11.876"	Serrated	567	Chain	22.9	20	1

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Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-29a	2123.500	LAC	Bouée lumineuse d'avertissement LAC	QC	1312	Night	0.8m Spar Richelieu	362	Steel	Yellow	Seasonal	4.00	46° 16' 3.114"	72° 41' 43.426"	Serrated	363	Chain	12.2	14	3
C-29a	2171.000	SN2	Bouée lumineuse SN2; CHENAL DU MOINE - NORD	QC	1312	Night	1.5m Discus	215	Aluminum	Red	Seasonal	0.00	46° 6' 9.107"	72° 58' 21.448"	Serrated	363	Chain	6.1	14	3
C-29a	2174.300	SN12	Bouée lumineuse SN12; CHENAL DU MOINE	QC	1312	Night	1.5m Discus	215	Aluminum	Red	Seasonal	6.10	46° 3' 54.686"	73° 1' 37.399"	Serrated	363	Chain	9.1	14	3
C-29a	2174.400	SN11	Bouée lumineuse SN11; CHENAL DU MOINE - SUD	QC	1312	Night	1.5m Discus	215	Aluminum	Green	Seasonal	5.80	46° 3' 53.865"	73° 1' 37.864"	Serrated	363	Chain	6.1	14	3
C-29a	2182.400	SN22	Bouée lumineuse SN22; EST - PORT DE SOREL	QC	1312	Night	1.5m Discus	215	Aluminum	Red	Seasonal	6.70	46° 3' 14.112"	73° 5' 23.961"	Serrated	363	Chain	10.7	14	3
C-29a	2182.500	SN26	Bouée lumineuse SN26; PORT DE SOREL	QC	1312	Night	1.5m Discus	215	Aluminum	Red	Seasonal	3.70	46° 3' 6.013"	73° 5' 55.261"	Serrated	363	Chain	10.7	14	3
C-29a	2182.520	PNF	Bouée lumineuse de bifurcation PNF	QC	1312	Night	0.8m Spar Richelieu	362	Steel	Green-red-green	Seasonal	3.00	46° 3' 1.875"	73° 5' 59.532"	Serrated	363	Chain	10.7	14	3
C-29a	2182.600	SN24	Bouée lumineuse SN24; MILIEU - PORT DE SOREL	QC	1312	Night	1.5m Discus	215	Aluminum	Red	Seasonal	3.00	46° 3' 9.013"	73° 5' 36.161"	Serrated	363	Chain	10.7	14	3
C-29a	2182.800	SN28	Bouée lumineuse SN28; PORT DE SOREL	QC	1312	Night	1.5m Discus	215	Aluminum	Red	Seasonal	3.00	46° 3' 6.913"	73° 6' 13.562"	Serrated	363	Chain	10.7	14	3
C-29a	2185.100	SOREL	Bouée lumineuse d'avertissement SOREL	QC	1312	Night	1.4m Buoy	1811	Steel	Yellow	Seasonal	10.00	46° 3' 30.114"	73° 7' 1.963"	Serrated	1814	Chain	27.4	20	1
C-29a	2185.200	TRACY	Bouée lumineuse d'avertissement TRACY	QC	1312	Night	1.4m Buoy	1811	Steel	Yellow	Seasonal	10.00	46° 3' 26.4"	73° 7' 19.4"	Serrated	1814	Chain	27.4	20	1
C-29a	7171.100	SN3	SN3	QC	1312	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Green	Seasonal	0.00	46° 6' 11.107"	72° 58' 17.448"	Serrated	363	Chain	7.6	14	3
C-29a	7171.200	SN5	SN5	QC	1312	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	0.00	46° 6' 8.107"	72° 58' 16.448"	Serrated	363	Chain	7.6	14	3
C-29a	7173.700	OURS	Bouée d'avertissement OURS	QC	1312	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Yellow	Seasonal	2.50	46° 5' 55.6404"	73° 3' 25.9704"	Serrated	136	Chain	9.1	14	3
C-29a	7174.500	SN21	SN21	QC	1312	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	4.30	46° 3' 10.312"	73° 5' 14.66"	Serrated	363	Chain	10.7	14	3
C-29a	7180.000	GRACE	GRACE ILE DE GRACE	QC	1312	Unlit	1.5m Discus	215	Aluminum	Yellow	Seasonal	0.00	46° 4' 5.547"	73° 3' 45.173"	Serrated	363	Chain	7.6	14	3
C-29a	7182.450	SN23	SN23; PORT DE SOREL	QC	1312	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	7.30	46° 3' 2.613"	73° 5' 43.961"	Serrated	363	Chain	10.7	14	3

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BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-29a	7182.510	SN27	SN27; PORT DE SOREL	QC	1312	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	6.10	46° 3' 4.613"	73° 6' 14.362"	Serrated	362.9	Chain	10.7	14	3
C-29a	7182.810	SF5	SF5	QC	1312	Unlit	0.8m Spar Richelieu	362	Steel	Green	Seasonal	3.70	46° 2' 55.914"	73° 6' 24.662"	Serrated	363	Chain	7.6	14	3
C-29a	7182.820	SF6	SF6	QC	1312	Unlit	0.3m Spar-Conical Plastic (ORT)	65	Plastic	Red	Seasonal	5.50	46° 2' 57.014"	73° 6' 25.462"	Serrated	362.9	Chain	7.6	14	3
C-29b	2333.000	M118	Bouée lumineuse M118 - ILE DESLAURIERS	QC	1310	Night	1.3m short spar buoy		Steel	Red	Year Round	10.60	45° 43' 9.557"	73° 26' 2.868"	Serrated	2722	Chain	27.4	28	1
C-29b	7280.600	M10	M10 - ROUTE DE L'ILE ST-OURS	QC	1311	Unlit	0.7m Ice Conical	1923	Steel	Red	Year Round	10.60	45° 55' 46.152"	73° 12' 54.204"	Serrated	2722	Chain	27.4	28	1
C-29b	7280.700	M13	M13 - ROUTE DE L'ILE ST-OURS	QC	1311	Unlit	0.7m Ice Can	1923	Steel	Green	Seasonal	10.60	45° 55' 45.83"	73° 12' 42.841"	Serrated	2722	Chain	27.4	28	1
C-29b	7294.500	M37	M37 - CONTRECOEUR	QC	1311	Unlit	0.7m Ice Can	1923	Steel	Green	Year Round	10.60	45° 52' 31.527"	73° 15' 2.947"	Serrated	2722	Chain	27.4	28	1
C-29b	2104.200	C63	Bouée lumineuse C63; PORT DE TROIS-RIVIERES	QC	1313	Night	1.3m short spar buoy		Steel	Green	Year Round	10.60	46° 19' 22.134"	72° 32' 44.637"	Serrated	2722	Chain	27.4	28	1
C-29b	2108.000	C70	Bouée lumineuse C70; POINTE DES ORMES	QC	1313	Night	0.7m spar Conical	1883	Steel	Red	Year Round	10.60	46° 18' 5.365"	72° 34' 36.139"	Serrated	2948	Chain	27.4	28	1
C-29b	2119.000	S8	Bouée lumineuse S8 - COURBE NICOLET	QC	1312	Night	1.3m short spar buoy		Steel	Red	Year Round	10.60	46° 15' 50.821"	72° 39' 16.723"	Serrated	3630	Chain	27.4	28	1
C-29b	2124.000	S21	Bouée lumineuse S21 - COURBE PTE-DU-LAC	QC	1312	Night	1.3m short spar buoy		Steel	Green	Year Round	10.60	46° 15' 42.641"	72° 41' 49.059"	Serrated	3630	Chain	27.4	28	1
C-29b	7133.210	YAMB	YAMACHICHE B	QC	1312	Unlit	0.7m Ice Can	1923	Steel	Yellow	Seasonal	10.00	46° 12' 29.035"	72° 48' 53.454"	Serrated	907	Chain	27.4	28	1
C-29b	7135.000	S58	S58 - YAMACHICHE	QC	1312	Unlit	0.7m Ice Conical	1923	Steel	Red	Year Round	10.00	46° 12' 48.713"	72° 49' 7.886"	Serrated	2722	Chain	27.4	28	1
C-29b	7150.200	S92	S92 ALIGNEMENT AVAL COURBE #2	QC	1312	Unlit	0.7m Ice Conical	1923	Steel	Red	Year Round	10.00	46° 10' 28.07"	72° 55' 34.312"	Serrated	2722	Chain	27.4	28	1
C-29b	2173.000	S123	Bouée lumineuse S123 - ILE DES BARQUES	QC	1312	Night	1.3m short spar buoy		Steel	Green	Year Round	10.00	46° 4' 56.962"	73° 0' 37.505"	Serrated	3630	Chain	27.4	28	1
C-29b	2174.000	S126	Bouée lumineuse S126 - ILE LAPIERRE	QC	1312	Night	1.3m short spar buoy		Steel	Red	Year Round	10.00	46° 4' 54.672"	73° 1' .17"	Serrated	3630	Chain	27.4	28	1
C-29b	2179.000	S136	Bouée lumineuse S136 - ILE DE GRACE	QC	1312	Night	1.3m short spar buoy		Steel	Red	Year Round	10.00	46° 3' 59.84"	73° 2' 52.336"	Serrated	3630	Chain	27.4	28	1

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Port de Québec et Chenal de l'Île d'Orléans
Contract Area no.:	C-30
Province(s):	Quebec
Contract Area Description:	The Contract Area includes Port de Québec and Chenal de l'Île d'Orléans
Coast Guard Depot:	Quebec City, Quebec
Commissioning date:	No later than April 30th
Decommissioning date:	No earlier than October 30th
Total no. of buoys:	30
Buoy size :	1.4m diameter
Maximum anchor size (weight (kg)):	3629
Maximum buoy weight (kg) :	3863
Maximum water depth (m) :	21
Operational Season:	April 15 to November 15th
Overview of work activities:	All buoys are seasonal; seasonal buoys are placed in the spring and removed in the fall. All buoys have lanterns. At Commissioning, work includes placing of seasonal buoys. Decommissioning work includes lifting of seasonal buoys. Unscheduled work includes response to discrepancies during the operational season.
Comment:	N/A

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-30	1953.500	KP2	Bouée lumineuse KP2; RIVIERE ST CHARLES	QC	1316	Night	1.4m Buoy	1811	Steel	Red	Seasonal	15.00	46° 49' 31.084"	71° 12' 17.306"	Serrated	1588	Chain	27.4	20	1
C-30	1954.000	QUEB	Bouée lumineuse de bifurcation QUEBEC	QC	1316	Night	1.4m Buoy	1811	Steel	Red-green-red	Seasonal	9.00	46° 49' 24.258"	71° 12' 21.895"	Serrated	1588	Chain	18.3	20	1
C-30	1935.000	V8	Bouée lumineuse V8; SE DE BEAUPRE	QC	1317	Night	1.4m Buoy	1811	Steel	Red	Seasonal	12.10	47° 2' 6.773"	70° 51' 52.189"	Serrated	1588	Chain	27.4	20	2
C-30	1936.000	V13	Bouée lumineuse V13 - SW DE BEAUPRE	QC	1317	Night	1.4m Buoy	1811	Steel	Green	Seasonal	5.00	47° 1' 39.072"	70° 53' 21.333"	Serrated	1134	Chain	22.9	20	2
C-30	1944.000	V19	Bouée lumineuse V19 - ALIGN. PTE ST-PIERRE	QC	1317	Night	1.4m Buoy	1811	Steel	Green	Seasonal	6.40	46° 57' 12.081"	71° 0' 27.321"	Serrated	680	Chain	27.4	20	2
C-30	1945.000	V22	Bouée lumineuse V22 - ALIGN. PTE ST-PIERRE	QC	1317	Night	1.4m Buoy	1811	Steel	Red	Seasonal	6.40	46° 56' 35.082"	71° 1' 24.316"	Serrated	680	Chain	22.9	20	2
C-30	1948.000	V31	Bouée lumineuse V31 - AVAL PONT I.O.	QC	1317	Night	1.4m Buoy	1811	Steel	Green	Seasonal	9.10	46° 53' 12.083"	71° 7' 35.306"	Serrated	1588	Chain	36.6	20	2
C-30	1950.400	V34	Bouée lumineuse V34 - AMONT PONT I.O.	QC	1316	Night	1.4m Buoy	1811	Steel	Red	Seasonal	6.00	46° 52' 32.483"	71° 8' 27.306"	Serrated	680	Chain	18.3	20	2
C-30	1950.500	V35	Bouée lumineuse V35 - AMONT PONT I.O.	QC	1316	Night	1.4m Buoy	1811	Steel	Green	Seasonal	9.10	46° 52' 29.083"	71° 8' 3.305"	Serrated	680	Chain	18.3	20	2
C-30	1951.000	V36	Bouée lumineuse V36 - AMONT PONT I.O.	QC	1316	Night	1.4m Buoy	1811	Steel	Red	Seasonal	6.00	46° 52' .083"	71° 8' 32.305"	Serrated	680	Chain	22.9	20	2
C-30	1959.000	Q4	Bouée lumineuse Q4; ANSE AU FOULON	QC	1316	Night	1.4m Buoy	1811	Steel	Red	Seasonal	12.80	46° 47' 50.085"	71° 12' 44.303"	Serrated	1814	Chain	27.4	20	1
C-30	1961.000	Q7	Bouée lumineuse Q7; ANSE FRECHETTE	QC	1316	Night	1.4m Buoy	1811	Steel	Green	Seasonal	20.00	46° 46' 40.085"	71° 12' 58.301"	Serrated	1818	Chain	36.6	20	1
C-30	1978.000	Q37	Bouée lumineuse Q37 - POINTE DU CHALET DES PHARES	QC	1315	Night	1.4m Buoy	1811	Steel	Green	Seasonal	21.00	46° 39' 53.089"	71° 36' 28.345"	Serrated	2268	Chain	36.6	20	1
C-30	1982.000	Q41	Bouée lumineuse Q41 - STE-CROIX-EST	QC	1315	Night	1.4m Buoy	1811	Steel	Green	Seasonal	13.70	46° 38' 47.09"	71° 39' 43.347"	Serrated	1361	Chain	27.4	20	1
C-30	6991.000	Q56	Q56 - TRAVERSE CAP-SANTE	QC	1314	Unlit	1.0m Ice Conical	3863	Steel	Red	Year Round	10.60	46° 39' 43.402"	71° 47' 35.635"	Serrated	3629	Chain	27.4	28	1

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-30	2022.000	D24	Bouée lumineuse D24; Batture de la Grande Pointe	QC	1314	Night	1.3m short spar buoy		Steel	Red	Year Round	10.60	46° 33' 56.146"	72° 4' 45.553"	Serrated	3629	Chain	27.4	28	1
C-30	2031.000	D32	Bouée espar lumineuse; D32 COURBE DE CAP A LA ROCHE	QC	1314	Night	1.3m short spar buoy		Steel	Red	Year Round	10.60	46° 33' 57.829"	72° 6' 50.026"	Serrated	3629	Chain	27.4	28	1
C-30	2034.000	D37	Bouée lumineuse D37; Cap à la Roche	QC	1314	Night	1.3m short spar buoy		Steel	Green	Year Round	10.60	46° 33' 33.544"	72° 7' 51.822"	Serrated	3629	Chain	27.4	28	1
C-30	2043.600	D62	Bouée lumineuse D62; COURBE DE BATISCAN GRO-A	QC	1314	Night	1.3m short spar buoy		Steel	Red	Year Round	10.60	46° 31' 9.713"	72° 12' 56.413"	Serrated	2722	Chain	27.4	28	1
C-30	7014.200	GROA	GRONDINES A - MOUILLAGE DE GRONDINES	QC	1314	Unlit	0.7m Ice Can	1923	Steel	Yellow	Seasonal	10.60	46° 35' 14.685"	72° 0' 14.428"	Serrated	2722	Chain	27.4	28	1
C-30	7024.300	D28	D28 - ABORDS ZONE DE DEBLAIS	QC	1314	Unlit	1.0m Ice Conical	3863	Steel	Red	Year Round	10.60	46° 33' 57.508"	72° 5' 28.135"	Serrated	3629	Chain	27.4	28	1
C-30	7028.300	D27	D27; ZONE DE DEBLAI	QC	1314	Unlit	1.0m Ice Can	3863	Steel	Green	Seasonal	10.60	46° 33' 49.583"	72° 5' 28.667"	Serrated	2722	Chain	27.4	28	1
C-30	7037.800	D46	D46; BATTURES STE-ANNE	QC	1314	Unlit	1.0m Ice Conical	3863	Steel	Red	Year Round	10.60	46° 32' 52.56"	72° 9' 30.21"	Serrated	2722	Chain	27.4	28	1
C-30	7039.300	D55	D55; ALIGNEMENT BATISCAN	QC	1314	Unlit	0.7m Ice Can	1923	Steel	Green	Seasonal	10.60	46° 31' 44.41"	72° 11' 12.033"	Serrated	2722	Chain	27.4	28	1
C-30	7046.200	BATA	BAT-A BATISCAN A	QC	1313	Unlit	0.7m Ice Conical	1923	Steel	Yellow	Year Round	10.60	46° 30' 30.81"	72° 14' .076"	Serrated	2722	Chain	27.4	28	1
C-30	7047.400	BATB	BAT-B BATISCAN B	QC	1313	Unlit	0.7m Ice Conical	1923	Steel	Yellow	Year Round	10.60	46° 29' 46.72"	72° 14' 20.516"	Serrated	2722	Chain	27.4	28	1
C-30	7049.000	D77	D77; BATTURES PERRON	QC	1313	Unlit	1.0m Ice Can	3863	Steel	Green	Year Round	10.60	46° 29' 3.75"	72° 14' 10.226"	Serrated	2722	Chain	27.4	28	1
C-30	2066.000	C21	Bouée lumineuse C21; BECANCOUR	QC	1313	Night	1.3m short spar buoy		Steel	Green	Year Round	10.60	46° 24' 56.752"	72° 22' 24.374"	Serrated	2722	Chain	27.4	28	1
C-30	2083.000	C47	Bouée lumineuse C47; CAP DE LA MADELEINE	QC	1313	Night	1.3m short spar buoy		Steel	Green	Year Round	10.60	46° 21' 43.668"	72° 29' 42.119"	Serrated	2722	Chain	27.4	28	1

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Chenal du Sud (Trois-Pistoles à Montmagny) et Pointe-au-Pic
Contract Area no.:	C-31
Province(s):	Quebec
Contract Area Description:	The Contract Area includes Chenal du Sud from Trois-Pistoles to Montmagny and Pointe-au-Pic
Coast Guard Depot:	Quebec City, Quebec
Commissioning date:	No later than April 30th
Decommissioning date:	No earlier than October 30th
Total no. of buoys:	15
Buoy size :	Varies, 0.4m to 1.4m diameter
Maximum anchor size (weight (kg)):	2041
Maximum buoy weight (kg) :	1811
Maximum water depth (m) :	19
Operational Season:	May 01 to November 15th
Overview of work activities:	18 buoys are seasonal; seasonal buoys are placed in the spring and removed in the fall. 1 summer buoy is replaced with a winter spar. 15 buoys have lanterns; the remainder are unlit. At Commissioning, work includes placing of seasonal buoys and swop of winter spar for summer buoy. Decommissioning work includes lifting of seasonal buoys and swop of summer buoy for winter spar. Unscheduled work includes response to discrepancies during the operational season.
Comment:	N/A

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-31	1843.500	KPP	Bouée lumineuse cardinale Sud KPP	QC	1234	Night	1.2 m MOBILIS BC-1242	380	Plastic/Steel	Yellow-black	Seasonal	8.00	47° 37' 22.892"	70° 8' 18.805"	Serrated	907	Chain	22.9	20	1
C-31	1756.140	HR3	Bouée lumineuse HR3	QC	1320	Night	1.4m Buoy	1811	Steel	Green	Seasonal	1.50	48° 8' 26.365"	69° 11' 40.546"	Serrated	680	Chain	7.6	20	1
C-31	1824.230	HC1	Bouée lumineuse HC1; GROS CACOUNA	QC	1320	Night	1.4m Buoy	1811	Steel	Green	Seasonal	11.00	47° 55' 56.54"	69° 30' 51.55"	Serrated	1361	Chain	27.4	20	1
C-31	1824.240	HC3	Bouée lumineuse HC3 - GROS CACOUNA	QC	1320	Night	1.4m Stand-up Buoy		Steel	Green	Seasonal	11.00	47° 55' 49.291"	69° 30' 44.695"	Serrated	1361	Chain	27.4	20	1
C-31	1824.330	HC2	Bouée lumineuse HC2; GROS CACOUNA	QC	1320	Night	1.4m Buoy	1811	Steel	Red	Year Round	11.00	47° 55' 39.587"	69° 30' 57.897"	Serrated	1361	Chain	27.4	20	1
C-31	1825.500	H58	Bouée lumineuse H58; ROCHER DEMERS	QC	1234	Night	1.4m Buoy	1811	Steel	Red	Seasonal	9.10	47° 51' 22.076"	69° 38' 55.18"	Serrated	907	Chain	27.4	20	3
C-31	1886.500	CBJ	Bouée lumineuse cardinale Sud CBJ	QC	1317	Night	0.8m Spar Richelieu	362	Steel	Yellow-black	Seasonal		47° 4' 8.19"	70° 30' 52.86"	Serrated	227	Chain	18.3	14	2
C-31	1891.250	BAL	Bouée lumineuse cardinale Nord BAL	QC	1317	Night	1.4m Buoy	1811	Steel	Black-yellow	Seasonal	19.00	47° 8' 39.748"	70° 30' 46.571"	Serrated	2041	Chain	36.6	20	2
C-31	1891.400	HP8	Bouée lumineuse HP8; BARRE DE LA GROSSE ILE	QC	1317	Night	1.4m Buoy	1811	Steel	Red	Seasonal	4.00	47° 0' 9.08"	70° 41' 40.301"	Serrated	1814	Chain	18.3	20	3
C-31	1891.600	H121	Bouée lumineuse H121 - ROCHER WYE; CHENAL ST-THOMAS MONTMAGNY	QC	1317	Night	1.4m Buoy	1811	Steel	Green	Seasonal	11.00	46° 59' 33.083"	70° 37' 57.288"	Serrated	1814	Chain	27.4	20	3
C-31	6890.420	HM13	HM13 ST-THOMAS DE MONTMAGNY	QC	1317	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	0.00	46° 59' 43.268"	70° 33' 14.767"	Concrete	23	Chain	9.1	26	1
C-31	6890.430	HM11	HM11 ST-THOMAS DE MONTMAGNY	QC	1317	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	0.00	46° 59' 53.372"	70° 33' 16.928"	Concrete	23	Chain	9.1	26	1
C-31	6890.450	HM8	HM8; ST-THOMAS DE MONTMAGNY	QC	1317	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	0.00	46° 59' 40.946"	70° 33' 17.829"	Concrete	23	Chain	9.1	26	1
C-31	6890.480	HM4	HM4; ST-THOMAS DE MONTMAGNY	QC	1317	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	0.00	47° 0' 3.763"	70° 33' 23.198"	Concrete	23	Chain	9.1	26	1
C-31	1934.000	V6	Bouée lumineuse V6; PTE AUX PRETRES	QC	1317	Night	1.4m Buoy	1811	Steel	Red	Seasonal	13.00	47° 2' 59.075"	70° 46' 59.32"	Serrated	1134	Chain	36.6	20	2

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Rivière Saguenay
Contract Area no.:	C-32
Province(s):	Quebec
Contract Area Description:	The Contract Area includes Rivière Saguenay from Saint-Fulgence to Chicoutimi and Baie des Ha! Ha!
Coast Guard Depot:	Quebec City, Quebec
Commissioning date:	No later than April 30th
Decommissioning date:	No earlier than October 30th
Total no. of buoys:	22
Buoy size :	Varies, 1.4m to 2.0m diameter
Maximum anchor size (weight (kg)):	2268
Maximum buoy weight (kg) :	1811
Maximum water depth (m) :	20
Operational Season:	May 01 to October 31th
Overview of work activities:	All buoys are seasonal; seasonal buoys are placed in the spring and removed in the fall. All buoys have lanterns. At Commissioning, work includes placing of seasonal buoys. Decommissioning work includes lifting of seasonal buoys. Unscheduled work includes response to discrepancies during the operational season.
Comment:	N/A

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-32	1800.500	S30	Bouée lumineuse S30 - ALIGNEMENT POSTE ST-MARTIN	QC	1209	Night	1.4m Buoy	1811	Steel	Red	Seasonal	6.00	48° 25' 20.608"	70° 52' 50.702"	Serrated	1814	Chain	18.3	20	3
C-32	1802.400	S32	Bouée lumineuse S32 - ALIGNEMENT POSTE ST-MARTIN	QC	1209	Night	1.4m Buoy	1811	Steel	Red	Seasonal	6.00	48° 25' 29.621"	70° 53' 33.943"	Serrated	1814	Chain	18.3	20	3
C-32	1802.600	S34	Bouée lumineuse S34 - ALIGNEMENT POSTE ST-MARTIN	QC	1209	Night	1.4m Buoy	1811	Steel	Red	Seasonal	6.00	48° 25' 38.672"	70° 54' 17.366"	Serrated	1814	Chain	18.3	20	3
C-32	1803.000	S36	Bouée lumineuse S36; POSTE ST-MARTIN; ALIGNEMENT	QC	1209	Night	1.4m Buoy	1811	Steel	Red	Seasonal	6.00	48° 25' 47.737"	70° 55' .895"	Serrated	1814	Chain	18.3	20	3
C-32	1803.500	S37	Bouée lumineuse S37; POSTE ST-MARTIN; ALIGNEMENT	QC	1209	Night	1.4m Buoy	1811	Steel	Green	Seasonal	6.00	48° 25' 54.832"	70° 55' 47.276"	Serrated	1814	Chain	18.3	20	3
C-32	1804.000	S38	Bouée lumineuse S38; POSTE ST-MARTIN; COURBE	QC	1209	Night	1.4m Buoy	1811	Steel	Red	Seasonal	6.00	48° 26' 4.078"	70° 56' 19.509"	Serrated	1814	Chain	18.3	20	3
C-32	1804.300	S39	Bouée lumineuse S39; POSTE ST-MARTIN; COURBE	QC	1209	Night	1.4m Buoy	1811	Steel	Green	Seasonal	6.00	48° 26' 4.9"	70° 56' 35.702"	Serrated	1814	Chain	18.3	20	3
C-32	1804.500	S40	Bouée lumineuse S40; POSTE ST-MARTIN; COURBE	QC	1209	Night	1.4m Buoy	1811	Steel	Red	Seasonal	6.00	48° 26' 13.964"	70° 56' 44.51"	Serrated	1814	Chain	18.3	20	3
C-32	1804.700	S42	Bouée lumineuse S42; RIVIERE VALIN; ALIGNEMENT	QC	1209	Night	1.4m Buoy	1811	Steel	Red	Seasonal	6.00	48° 26' 30.612"	70° 57' 10.326"	Serrated	1814	Chain	18.3	20	3
C-32	1806.500	S44	Bouée lumineuse S44; RIVIERE A LA LOUTRE	QC	1209	Night	1.4m Buoy	1811	Steel	Red	Seasonal	6.00	48° 26' 45.034"	70° 57' 32.696"	Serrated	1814	Chain	18.3	20	3
C-32	1810.000	S46	Bouée lumineuse S46; RIVIERE VALIN; COURBE	QC	1209	Night	1.4m Buoy	1811	Steel	Red	Seasonal	6.00	48° 26' 57.811"	70° 57' 52.518"	Serrated	1814	Chain	18.3	20	3

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-32	1813.000	S47	Bouée lumineuse S47; CARIBOU; COURBE	QC	1209	Night	1.4m Buoy	1811	Steel	Green	Seasonal	6.00	48° 26' 57.763"	70° 58' 7.697"	Serrated	1814	Chain	18.3	20	3
C-32	1813.800	S50	Bouée lumineuse S50 - ALIGNEMENT RIVIERE CARIBOU	QC	1209	Night	1.4m Buoy	1811	Steel	Red	Seasonal	6.00	48° 27' 6.607"	70° 58' 46.951"	Serrated	1814	Chain	18.3	20	3
C-32	1820.000	S53	Bouée lumineuse S53 - QUAI MALTAIS	QC	1209	Night	1.4m Buoy	1811	Steel	Green	Seasonal	6.00	48° 27' 8.372"	70° 59' 13.444"	Serrated	1588	Chain	18.3	20	3
C-32	1820.200	S56	Bouée lumineuse S56; CARIBOU; COURBE	QC	1209	Night	1.4m Buoy	1811	Steel	Red	Seasonal	6.00	48° 27' 15.961"	70° 59' 44.891"	Serrated	1814	Chain	18.3	20	3
C-32	1820.500	S59	Bouée lumineuse S59 ALIGNEMENT SIMARD	QC	1209	Night	1.4m Buoy	1811	Steel	Green	Seasonal	6.00	48° 27' 7.578"	71° 0' 14.607"	Serrated	1814	Chain	18.3	20	3
C-32	1820.600	S60	Bouée lumineuse S60; SIMARD; COURBE	QC	1209	Night	1.4m Buoy	1811	Steel	Red	Seasonal	6.00	48° 27' 8.4"	71° 0' 30"	Serrated	1814	Chain	18.3	20	3
C-32	1820.700	S61	Bouée lumineuse S61; RIVIERE DU MOULIN AVAL; COURBE	QC	1209	Night	1.4m Buoy	1811	Steel	Green	Seasonal	6.00	48° 26' 54.837"	71° 0' 40.943"	Serrated	1588	Chain	18.3	20	3
C-32	1820.900	S63	Bouée lumineuse S63 - PORT DE CHICOUTIMI	QC	1209	Night	1.4m Buoy	1811	Steel	Green	Seasonal	6.00	48° 26' 29.063"	71° 1' 7.848"	Serrated	1588	Chain	18.3	20	3
C-32	1821.100	S65	Bouée lumineuse S65 - PORT DE CHICOUTIMI	QC	1209	Night	1.4m Buoy	1811	Steel	Green	Seasonal	6.00	48° 26' 13.038"	71° 1' 38.912"	Serrated	1588	Chain	18.3	20	3
C-32	1821.300	S67	Bouée lumineuse S67 - PORT DE CHICOUTIMI	QC	1209	Night	1.4m Buoy	1811	Steel	Green	Seasonal	6.00	48° 25' 57.012"	71° 2' 9.97"	Serrated	1814	Chain	18.3	20	3
C-32	1823.300	S71	Bouée lumineuse S71; RIVIERE DU MOULIN AMONT; ALIGNEMENT	QC	1209	Night	1.4m Buoy	1811	Steel	Green	Seasonal	6.00	48° 25' 52.751"	71° 2' 58.44"	Serrated	1814	Chain	18.3	20	3

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Bas-Saint-Laurent
Contract Area no.:	C-33
Province(s):	Quebec
Contract Area Description:	The Contract Area includes Bic and Rimouski
Coast Guard Depot:	Quebec City, Quebec
Commissioning date:	No later than April 30th
Decommissioning date:	No earlier than October 30th
Total no. of buoys:	1
Buoy size :	1.4m
Maximum anchor size (weight (kg)):	2041
Maximum buoy weight (kg) :	1811
Maximum water depth (m) :	14.6
Operational Season:	May 01 to November 1st
Overview of work activities:	The buoy is seasonal; seasonal buoys are placed in the spring and removed in the fall. The buoy has a lantern. At Commissioning, work includes placing of seasonal buoys. Decommissioning work includes lifting of seasonal buoys. Unscheduled work includes response to discrepancies during the operational season.
Comment:	N/A

															Anchor		Mooring			
Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Type	Size (kg)	Type	Length (m)	Size (mm)	Importance
C-33	1751.000	ROALC	Bouée lumineuse cardinale Nord ROALC	QC	1223	Night	1.4m Buoy	1811	Steel	Black-yellow	Seasonal	14.60	48° 20' 15.547"	68° 55' 58.37"	Serrated	2041	Chain	27.4	20	1

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Forestville
Contract Area no.:	C-34
Province(s):	Quebec
Contract Area Description:	The Contract Area includes Forestville
Coast Guard Depot:	Quebec City, Quebec
Commissioning date:	No later than April 30th
Decommissioning date:	No earlier than October 30th
Total no. of buoys:	3
Buoy size :	0.75m diameter
Maximum anchor size (weight (kg)):	907
Maximum buoy weight (kg) :	45
Maximum water depth (m) :	4.8
Operational Season:	May 01 to November 1st
Overview of work activities:	All buoys are seasonal; seasonal buoys are placed in the spring and removed in the fall. All buoys have lanterns. At Commissioning, work includes placing of seasonal buoys. Decommissioning work includes lifting of seasonal buoys. Unscheduled work includes response to discrepancies during the operational season.
Comment:	N/A

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Havre-Saint-Pierre
Contract Area no.:	C-35
Province(s):	Quebec
Contract Area Description:	The Contract Area includes Havre-Saint-Pierre
Coast Guard Depot:	Quebec City, Quebec
Commissioning date:	No later than May 15th
Decommissioning date:	No earlier than October 15th
Total no. of buoys:	4
Buoy size :	1.4m diameter
Maximum anchor size (weight (kg)):	1814
Maximum buoy weight (kg) :	1811
Maximum water depth (m) :	36.6
Operational Season:	May 01 to November 15th
Overview of work activities:	All buoys are seasonal; seasonal buoys are placed in the spring and removed in the fall. All buoys have lanterns. At Commissioning, work includes placing of seasonal buoys. Decommissioning work includes lifting of seasonal buoys. Unscheduled work includes response to discrepancies during the operational season.
Comment:	N/A

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-34	1736.500	KE3	Bouée lumineuse KE3; BAIE VERTE; ENTREE	QC	1236	Night	0.75m SB 105 Can	52	Plastic	Green	Seasonal	4.20	48° 44' 15.071"	69° 2' 33.931"	Serrated	907	Chain	18.3	14	1
C-34	1736.600	KE4	Bouée lumineuse KE4; BAIE VERTE; ENTREE	QC	1236	Night	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	4.50	48° 44' 18.275"	69° 2' 34.649"	Serrated	907	Chain	18.3	14	1
C-34	1736.800	KE2	Bouée lumineuse KE2; BAIE VERTE	QC	1236	Night	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	4.80	48° 44' 21.846"	69° 1' 58.194"	Serrated	907	Chain	12.2	14	1
C-35	1586.000	CM5	Bouée lumineuse CM5; HAVRE ST PIERRE	QC	4429	Night	1.4m Buoy	1811	Steel	Green	Seasonal	29.20	50° 13' 44.756"	63° 35' 35.528"	Serrated	1361	Chain	45.7	20	1
C-35	1594.000	CM10	Bouée lumineuse CM10; CHENAL D'ENTREE ILE FANTOME	QC	4429	Night	1.4m Buoy	1811	Steel	Red	Seasonal	25.90	50° 11' 58.256"	63° 39' 53.541"	Serrated	1361	Chain	54.9	20	1

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-35	1595.000	CM12	Bouée lumineuse CM12; HAUT FOND ILE DU HAVRE	QC	4429	Night	1.4m Buoy	1811	Steel	Red	Seasonal	36.60	50° 12' 40.256"	63° 39' 52.54"	Serrated	1814	Chain	54.9	20	1
C-35	1603.500	CM32	Bouée lumineuse CM32	QC	4432	Night	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	2.00	50° 17' 20.4"	64° 1' 12.6"	Concrete	227	Chain	7.0	14	1

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Natashquan
Contract Area no.:	C-36
Province(s):	Quebec
Contract Area Description:	The Contract Area includes Natashquan
Coast Guard Depot:	Quebec City, Quebec
Commissioning date:	No later than May 15th
Decommissioning date:	No earlier than October 15th
Total no. of buoys:	2
Buoy size :	1.4m
Maximum anchor size (weight (kg)):	1588
Maximum buoy weight (kg) :	1811
Maximum water depth (m) :	9.7
Operational Season:	May 01 to November 15th
Overview of work activities:	All buoys are seasonal; seasonal buoys are placed in the spring and removed in the fall. All buoys have lanterns. At Commissioning, work includes placing of seasonal buoys. Decommissioning work includes lifting of seasonal buoys. Unscheduled work includes response to discrepancies during the operational season.
Comment:	N/A

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-36	1568.500	CJ5	Bouée lumineuse CJ5; HAVRE GETHSEMANI	QC	4452	Night	1.4m Stand-up Buoy		Steel	Green	Seasonal	9.70	50° 12' 20.739"	60° 41' 22.769"	Serrated	1588	Chain	27.4	20	1
C-36	1576.200	CN8	Bouée lumineuse CN8 - HAVRE DE NATASHQUAN	QC	4428	Night	1.4m Stand-up Buoy		Steel	Red	Seasonal	5.40	50° 11' 12.257"	61° 50' 40.333"	Serrated	1361	Chain	18.3	20	1

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Anticosti
Contract Area no.:	C-37
Province(s):	Quebec
Contract Area Description:	The Contract Area includes Port-Menier
Coast Guard Depot:	Quebec City, Quebec
Commissioning date:	No later than May 15th
Decommissioning date:	No earlier than October 15th
Total no. of buoys:	2
Buoy size :	1.4m diameter
Maximum anchor size (weight (kg)):	907
Maximum buoy weight (kg) :	1811
Maximum water depth (m) :	6
Operational Season:	May 01 to November 15th
Overview of work activities:	All buoys are seasonal; seasonal buoys are placed in the spring and removed in the fall. All buoys have lanterns. At Commissioning, work includes placing of seasonal buoys. Decommissioning work includes lifting of seasonal buoys. Unscheduled work includes response to discrepancies during the operational season.
Comment:	N/A

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-37	1517.000	PM9	Bouée lumineuse PM9; PORT-MENIER	QC	4430	Night	1.4m Buoy	1811	Steel	Green	Seasonal	6.00	49° 47' 16.725"	64° 21' 21.837"	Serrated	907	Chain	18.3	20	1
C-37	1518.000	PM11	Bouée lumineuse PM11; PORT-MENIER	QC	4430	Night	1.4m Buoy	1811	Steel	Green	Seasonal	3.60	49° 48' 30.229"	64° 22' 3.637"	Serrated	907	Chain	18.3	20	1

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Péninsule de Gaspé
Contract Area no.:	C-38
Province(s):	Quebec
Contract Area Description:	The Contract Area includes Cap-Chat to Mal-Bay
Coast Guard Depot:	Quebec City, Quebec
Commissioning date:	No later than April 30th
Decommissioning date:	No earlier than October 30th
Total no. of buoys:	6
Buoy size :	0.75m
Maximum anchor size (weight (kg)):	454
Maximum buoy weight (kg) :	52
Maximum water depth (m) :	11.5
Operational Season:	May 01 to November 15th
Overview of work activities:	All buoys are seasonal; seasonal buoys are placed in the spring and removed in the fall. All buoys have lanterns. At Commissioning, work includes placing of seasonal buoys. Decommissioning work includes lifting of seasonal buoys. Unscheduled work includes response to discrepancies during the operational season.
Comment:	N/A

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-38a	1685.100	HA1	Bouée lumineuse HA1; CAP-CHAT	QC	1230	Night	0.75m SB 105 Can	52	Plastic	Green	Seasonal	2.70	49° 5' 58.14"	66° 41' 28.38"	Serrated	454	Chain	13.7	20	2
C-38a	1685.200	HA2	Bouée lumineuse HA2; CAP-CHAT	QC	1230	Night	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	2.70	49° 5' 55.92"	66° 41' 30.06"	Serrated	454	Chain	13.7	20	2
C-38b	1650.000	RM1	Bouée lumineuse RM1 ; RIVIÈRE MADELEINE	QC	4026	Night	0.75m SB 105 Can	52	Plastic	Green	Seasonal	11.50	49° 14' 38.07"	65° 17' 20.868"	Serrated	227	Chain	21.3	14	2
C-38c	1641.300	CL1	BOUÉE LUMINEUSE CL1 - BAIE DE CLORIDORME	QC	4026	Night	0.75m SB 105 Can	52	Plastic	Green	Seasonal	6.30	49° 11' 9.078"	64° 50' 40.05"	Serrated	227	Chain	12.6		2
C-38c	1641.700	CL3	BOUÉE LUMINEUSE CL3 - BAIE DE CLORIDORME	QC	4026	Night	0.75m SB 105 Can	52	Plastic	Green	Seasonal	4.00	49° 11' 5.454"	64° 50' 52.332"	Serrated	227	Chain	10		2
C-38d	1410.500	AM2	Bouée lumineuse AM2 - Mal-Bay	QC	4921	Night	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	8.40	48° 37' 12.1"	64° 12' 1.9"	Serrated	363	Chain	18.3		2

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Baie des Chaleurs
Contract Area no.:	C-39
Province(s):	Quebec
Contract Area Description:	The Contract Area includes Percé to Bonaventure
Coast Guard Depot:	Quebec City, Quebec
Commissioning date:	No later than April 30th
Decommissioning date:	No earlier than October 30th
Total no. of buoys:	10
Buoy size :	Varies, 0.75m to 1.4m diameter
Maximum anchor size (weight (kg)):	1814
Maximum buoy weight (kg) :	1811
Maximum water depth (m) :	15.2
Operational Season:	May 01 to November 15th
Overview of work activities:	8 buoys are seasonal; seasonal buoys are placed in the spring and removed in the fall. 2 summer buoys are replaced with a winter spar. All buoys have lanterns. At Commissioning, work includes placing of seasonal buoys and swop of winter spars for summer buoys. Decommissioning work includes lifting of seasonal buoys and swop of summer buoys for winter spars. Unscheduled work includes response to discrepancies during the operational season.
Comment:	N/A

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-39	1370.000	AB1	Bouée lumineuse AB1; PTE BEAUBASSIN	QC	4486	Night	1.2 m MOBILIS BC-1242	380	Plastic/Steel	Green	Seasonal	4.30	48° 1' 52.714"	65° 29' 2.193"	Serrated	680	Chain	18.3	20	2
C-39	1377.000	AG1	Bouée lumineuse AG1; ST-GODEFROI	QC	4486	Night	0.75m SB 105 Can	52	Plastic	Green	Seasonal	9.00	48° 4' 20.712"	65° 6' 59.298"	Serrated	227	Chain	6.1	14	2
C-39	1378.000	AG2	Bouée lumineuse AG2; ST-GODEFROI	QC	4486	Night	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	9.00	48° 4' 19.86"	65° 6' 57.93"	Serrated	227	Chain	6.1	14	2
C-39	1380.000	AD4	Bouée lumineuse AD4; PORT DANIEL	QC	4921	Night	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	1.50	48° 10' 43.092"	64° 57' 33.06"	Serrated	227	Chain	7.6	14	2
C-39	1381.000	AD2	Bouée lumineuse AD2; PORT DANIEL	QC	4921	Night	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	6.40	48° 10' 32.328"	64° 57' 11.826"	Serrated	227	Chain	12.2	14	2
C-39	1388.200	AN1	Bouée lumineuse AN1	QC	4921	Night	1.2 m MOBILIS BC-1242	380	Plastic/Steel	Green	Year Round	7.60	48° 16' 53.333"	64° 43' 10.792"	Serrated	907	Chain	27.4	20	2
C-39	1388.400	AN3	Bouée lumineuse AN3	QC	4921	Night	1.2 m MOBILIS BC-1242	380	Plastic/Steel	Green	Year Round	6.70	48° 16' 58.26"	64° 43' 13.199"	Serrated	907	Chain	18.3	20	2
C-39	1388.500	AN4	Bouée lumineuse AN4	QC	4921	Night	1.2 m MOBILIS BC-1242	380	Plastic/Steel	Red	Seasonal	5.40	48° 16' 58.327"	64° 43' 8.691"	Serrated	907	Chain	15.2	20	2
C-39	1404.000	AF1	Bouée lumineuse AF1 - ANSE A BEAUFILS	QC	4485	Night	1.2 m MOBILIS BC-1242	380	Plastic/Steel	Green	Seasonal	7.00	48° 28' 14.248"	64° 18' 4.486"	Serrated	907	Chain	27.4	20	2
C-39	1408.000	AA1	Bouée lumineuse AA1; RECIF DE PERCE	QC	4485	Night	1.4m Stand-up Buoy		Steel	Green	Seasonal	15.20	48° 30' 56.592"	64° 12' 9.793"	Serrated	1814	Chain	27.4	20	2

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Îles-de-la-Madeleine
Contract Area no.:	C-40
Province(s):	Quebec
Contract Area Description:	The Contract Area includes Îles-de-la-Madeleine
Coast Guard Depot:	Quebec City, Quebec
Commissioning date:	No later than April 30th
Decommissioning date:	No earlier than October 30th
Total no. of buoys:	45
Buoy size :	Varies, 0.3m to 1.2m diameter
Maximum anchor size (weight (kg)):	2955
Maximum buoy weight (kg) :	380
Maximum water depth (m) :	10
Operational Season:	May 01 to December 15th
Overview of work activities:	35 buoys are seasonal; seasonal buoys are placed in the spring and removed in the fall. 10 summer buoys are replaced with a winter spar. 30 buoys have lanterns; the remainder are unlit. At Commissioning, work includes placing of seasonal buoys and swop of winter spars for summer buoys. Decommissioning work includes lifting of seasonal buoys and swop of summer buoys for winter spars. Unscheduled work includes response to discrepancies during the operational season.
Comment:	The contract for this area will not start until January 2016 as there is an existing contract in place.

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-40	1482.100	YC4	Bouée lumineuse YC4; HAVRE DE LA GRANDE ENTREE	QC	4954	Night	1.2 m MOBILIS AQ-1502		Plastic/Steel	Red	Seasonal	9.00	47° 32' 11.928"	61° 34' 33.781"	Serrated	2948	Chain	15.2	20	1
C-40	1482.200	YC5	Bouée lumineuse YC5; HAVRE DE LA GRANDE ENTREE	QC	4954	Night	1.2 m MOBILIS BC-1242	380	Plastic/Steel	Green	Seasonal	9.00	47° 32' 13.293"	61° 34' 38.123"	Serrated	2948	Chain	15.2	20	1
C-40	1482.300	YC9	Bouée lumineuse YC9; HAVRE DE LA GRANDE ENTREE	QC	4954	Night	1.2 m MOBILIS BC-1242	380	Plastic/Steel	Green	Seasonal	9.00	47° 32' 48.517"	61° 34' 11.028"	Serrated	2948	Chain	15.2	20	1
C-40	1482.400	YC10	Bouée lumineuse YC10; HAVRE DE LA GRANDE ENTREE	QC	4954	Night	1.2 m MOBILIS BC-1242	380	Plastic/Steel	Red	Seasonal	9.00	47° 32' 47.472"	61° 34' 6.438"	Serrated	1814	Chain	18.3	20	1
C-40	1482.500	YC11	Bouée lumineuse YC11; HAVRE DE LA GRANDE ENTREE	QC	4954	Night	1.2 m MOBILIS BC-1242	380	Plastic/Steel	Green	Seasonal	8.00	47° 33' 13.658"	61° 34' 4.701"	Serrated	1814	Chain	18.3	20	1
C-40	1482.550	YC12	Bouée lumineuse YC12; HAVRE DE LA GRANDE ENTREE	QC	4954	Night	1.2 m MOBILIS BC-1242	380	Plastic/Steel	Red	Seasonal	9.00	47° 33' 12.609"	61° 34' .113"	Serrated	2722	Chain	15.2	20	1
C-40	1482.600	YC14	Bouée lumineuse YC14; HAVRE DE LA GRANDE ENTREE	QC	4954	Night	1.2 m MOBILIS BC-1242	380	Plastic/Steel	Red	Seasonal	8.00	47° 33' 20.132"	61° 33' 54.288"	Serrated	2948	Chain	15.2	20	1
C-40	1482.700	YC15	Bouée lumineuse YC15; HAVRE DE LA GRANDE ENTREE	QC	4954	Night	0.75m SB 105 Can	52	Plastic	Green	Seasonal	3.20	47° 33' 26.168"	61° 33' 40.772"	Serrated	227	Chain	7.6	14	2
C-40	1489.100	YS3	Bouée lumineuse YS3 ETANG DU NORD	QC	4950	Night	0.75m SB 105 Can	52	Plastic	Green	Seasonal	5.80	47° 22' 6.73"	61° 58' 9.99"	Serrated	1588	Chain	27.4	20	2
C-40	1489.200	YS4	Bouée lumineuse YS4 ETANG DU NORD	QC	4950	Night	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	8.80	47° 22' 5.56"	61° 58' 2.83"	Serrated	1588	Chain	27.4	20	2
C-40	1489.300	YS5	Bouée lumineuse YS5; ETANG DU NORD	QC	4950	Night	0.75m SB 105 Can	52	Plastic	Green	Seasonal	3.90	47° 22' 9.65"	61° 57' 58.25"	Serrated	1588	Chain	19.8	20	2
C-40	1489.500	YS9	Bouée lumineuse YS9; ETANG DU NORD	QC	4950	Night	0.75m SB 105 Can	52	Plastic	Green	Seasonal	6.00	47° 22' 10.82"	61° 57' 52.8"	Serrated	1588	Chain	19.8	20	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-40	1489.600	YS10	Bouée lumineuse YS10; ETANG DU NORD	QC	4950	Night	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	6.00	47° 22' 9.07"	61° 57' 50.51"	Serrated	1588	Chain	19.8	20	2
C-40	1494.000	YE2	Bouée lumineuse YE2; ENTREE DE HAVRE-AUX-MAISONS	QC	4950	Night	1.2 m MOBILIS BC-1242	380	Plastic/Steel	Red	Seasonal	5.30	47° 23' 9.07"	61° 50' 27.52"	Concrete	907	Chain	13.7	20	2
C-40	1494.200	YE4	Bouée lumineuse YE4; HAVRE-AUX-MAISONS	QC	4955	Night	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	1.70	47° 23' 26.8"	61° 50' 26.12"	Concrete	363	Chain	7.6	14	2
C-40	1494.400	YE6	Bouée lumineuse YE6; HAVRE-AUX-MAISONS	QC	4955	Night	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	1.80	47° 23' 37.8"	61° 50' 18.6"	Concrete	363	Chain	7.6	14	2
C-40	1494.600	YE9	Bouée lumineuse YE9; HAVRE-AUX-MAISONS	QC	4955	Night	0.75m SB 105 Can	52	Plastic	Green	Seasonal	2.00	47° 23' 50.26"	61° 50' 20.36"	Concrete	363	Chain	7.6	14	2
C-40	1494.700	YE8	Bouée lumineuse YE8; HAVRE-AUX-MAISONS	QC	4955	Night	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	2.20	47° 23' 50.34"	61° 50' 16.12"	Concrete	363	Chain	7.6	14	2
C-40	1494.810	YE10	Bouée lumineuse YE10; HAVRE-AUX-MAISONS	QC	4955	Night	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	1.70	47° 23' 59.73"	61° 50' 20.67"	Concrete	363	Chain	7.6	14	2
C-40	1494.900	YE11	Bouée lumineuse YE11; HAVRE-AUX-MAISONS	QC	4955	Night	0.75m SB 105 Can	52	Plastic	Green	Seasonal	2.00	47° 24' 3.78"	61° 50' 24.54"	Concrete	363	Chain	7.6	14	2
C-40	1494.910	YE12	Bouée lumineuse YE12; HAVRE-AUX-MAISONS	QC	4955	Night	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	2.00	47° 24' 4.26"	61° 50' 22.32"	Concrete	363	Chain	7.6	14	2
C-40	1494.920	YE14	Bouée lumineuse YE14; HAVRE-AUX-MAISONS	QC	4955	Night	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	2.00	47° 24' 13.97"	61° 50' 24.28"	Concrete	363	Chain	7.6	14	2
C-40	1496.400	YD4	YD4; CAP-AUX-MEULES	QC	4956	Night	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	5.00	47° 22' 35.82"	61° 51' 6.36"	Concrete	363	Chain	9.1	14	2
C-40	1501.000	YK1	Bouée lumineuse YK1; HAVRE-AUBERT	QC	4950	Night	1.2 m MOBILIS BC-1242	380	Plastic/Steel	Green	Seasonal	10.00	47° 16' 50.41"	61° 46' 40.23"	Concrete	1814	Chain	27.4	20	2
C-40	1502.200	YK5	YK5; CAP GRIDLEY	QC	4957	Night	0.75m SB 105 Can	52	Plastic	Green	Seasonal	5.00	47° 14' 15.34"	61° 49' 27.12"	Concrete	272		9.1	14	2
C-40	1503.000	YK12	Bouée lumineuse YK12	QC	4957	Night	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	5.00	47° 14' 11"	61° 49' 33"	Concrete	363	Chain	9.1	14	2
C-40	1507.500	YM7	Bouée lumineuse YM7; CHENAL SANDY HOOK	QC	4950	Night	1.2 m MOBILIS BC-1242	380	Plastic/Steel	Green	Seasonal	5.00	47° 16' 6.964"	61° 43' 28.614"	Serrated	1814	Chain	18.3	26	2
C-40	1507.600	YM4	Bouée lumineuse YM4; CHENAL SANDY HOOK	QC	4950	Night	1.2 m MOBILIS BC-1242	380	Plastic/Steel	Red	Seasonal	5.50	47° 15' 43.2"	61° 43' 0"	Concrete	1814	Chain	18.3	20	2

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-40	1507.700	YM9	Bouée lumineuse YM9; CHENAL SANDY HOOK	QC	4950	Night	1.2 m MOBILIS BC-1242	380	Plastic/Steel	Green	Seasonal	5.50	47° 16' 33.149"	61° 43' 54.264"	Serrated	1814	Chain	18.3	20	2
C-40	1508.500	YM11	Bouée lumineuse YM11; CHENAL SANDY HOOK	QC	4950	Night	1.2 m MOBILIS BC-1242	380	Plastic/Steel	Green	Seasonal	9.00	47° 16' 51.02"	61° 44' 11.9"	Serrated	1814	Chain	27.4	20	2
C-40	6494.920	YE21	YE21; CAP VERT	QC	4955	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	2.00	47° 24' 23.1"	61° 50' 44.7"	Concrete	91	Rope	3	14	2
C-40	6494.921	YE22	YE22; CAP VERT	QC	4955	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	2.00	47° 24' 24.84"	61° 50' 47.1"	Concrete	91	Rope	3	14	2
C-40	6494.922	YE24	YE24 CAP VERT	QC	4955	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	2.00	47° 24' 21.42"	61° 50' 53.46"	Concrete	91	Rope	3	14	2
C-40	6494.923	YE23	YE23 CAP VERT	QC	4955	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	2.00	47° 24' 21.3"	61° 50' 50.4"	Concrete	91	Rope	3	14	2
C-40	6494.924	YE25	YE25 CAP VERT	QC	4955	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	1.60	47° 24' 18.66"	61° 50' 55.92"	Concrete	91	Rope	3	14	2
C-40	6494.925	YE26	YE26 CAP VERT	QC	4955	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	3.00	47° 24' 19.65"	61° 50' 57.5"	Concrete	91	Rope	3	14	2
C-40	6494.926	YE27	YE27 CAP VERT	QC	4955	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	1.50	47° 24' 16.98"	61° 51' .16"	Concrete	91	Rope	3	14	2
C-40	6494.927	YE28	YE28 CAP VERT	QC	4955	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	2.00	47° 24' 17.89"	61° 51' 1.65"	Concrete	91	Rope	3	14	2
C-40	6494.928	YE29	YE29 CAP VERT	QC	4955	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	1.00	47° 24' 16.98"	61° 51' 4.75"	Concrete	91	Rope	3	14	2
C-40	6494.929	YE31	YE31 CAP VERT	QC	4955	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	1.10	47° 24' 18.48"	61° 51' 9.11"	Concrete	91	Rope	3	14	2
C-40	6494.930	YE32	YE32 CAP-VERT	QC	4955	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	1.00	47° 24' 19.14"	61° 51' 5.34"	Concrete	91	Rope	3	14	2
C-40	6494.931	YE34	YE34 CAP VERT	QC	4955	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	1.00	47° 24' 21.66"	61° 51' 10.86"	Concrete	91	Rope	3	14	2
C-40	6494.932	YE35	YE35; CAP VERT	QC	4955	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	1.10	47° 24' 20.46"	61° 51' 12.99"	Concrete	91	Rope	3	20	2
C-40	6503.100	YK13	YK13; CAP GRIDLEY	QC	4957	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	5.00	47° 14' 9.47"	61° 49' 32.21"	Concrete	227		9.1	20	2
C-40	6504.100	YK23	YK23; CAP GRIDLEY	QC	4957	Unlit	0.3m Spar Can-Plastic (ORT)	65	Plastic	Green	Seasonal	5.00	47° 14' 5.19"	61° 49' 36.98"	Concrete	227		9.1	14	2

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Chevery
Contract Area no.:	C-41
Province(s):	Quebec
Contract Area Description:	The Contract Area includes Chevery
Coast Guard Depot:	Quebec City, Quebec
Commissioning date:	No later than May 15th
Decommissioning date:	No earlier than October 15th
Total no. of buoys:	5
Buoy size :	Varies, 0.4m to 0.75m diameter
Maximum anchor size (weight (kg)):	273
Maximum buoy weight (kg) :	45
Maximum water depth (m) :	6
Operational Season:	May 01 to November 15th
Overview of work activities:	All buoys are seasonal; seasonal buoys are placed in the spring and removed in the fall. 4 buoys have lanterns; the remainder are unlit At Commissioning, work includes placing of seasonal buoys. Decommissioning work includes lifting of seasonal buoys. Unscheduled work includes response to discrepancies during the operational season.
Comment:	N/A

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-41	1561.700	CS2	Bouée lumineuse CS2	QC	4468	Night	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	6.00	50° 27' 8.73"	59° 36' 42.84"	Serrated	136	Chain	27.4	14	2
C-41	1561.710	CHE	Bouée lumineuse de mi-chenal CHE	QC	4468	Night	0.75m SB 105 Conical	52	Plastic	Red-white	Seasonal	2.00	50° 27' 13.1092"	59° 37' 26.4102"	Serrated	136	Chain	22.9	14	2
C-41	1561.720	CS3	Bouée lumineuse CS3	QC	4468	Night	0.75m SB 105 Can	52	Plastic	Green	Seasonal	6.00	50° 27' 26.4892"	59° 37' 20.7109"	Serrated	272	Chain	27.4	14	2
C-41	12414.00	CA	Bouée non-lumineuse d'avertissement CA: CHEVERY	QC	4468	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Yellow	Seasonal		50° 27' 31.5794"	59° 36' 26.9836"	Serrated	136	Chain	6.1	14	2
C-41	12415.00	CB	Bouée non-lumineuse d'avertissement CB: CHEVERY	QC	4468	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Yellow	Seasonal		50° 27' 32.0693"	59° 36' 37.6531"	Serrated	136	Chain	6.1	14	2

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	La Tabatière et Baie-des-Moutons
Contract Area no.:	C-42
Province(s):	Quebec
Contract Area Description:	The Contract Area includes La Tabatière and Baie-des-Moutons
Coast Guard Depot:	Quebec City, Quebec
Commissioning date:	No later than May 15th
Decommissioning date:	No earlier than October 15th
Total no. of buoys:	2
Buoy size :	Varies, 0.75m to 1.4m diameter
Maximum anchor size (weight (kg)):	1814
Maximum buoy weight (kg) :	1811
Maximum water depth (m) :	39
Operational Season:	May 01 to November 15th
Overview of work activities:	All buoys are seasonal; seasonal buoys are placed in the spring and removed in the fall. All buoys have lanterns. At Commissioning, work includes placing of seasonal buoys. Decommissioning work includes lifting of seasonal buoys. Unscheduled work includes response to discrepancies during the operational season.
Comment:	N/A

Appendix C.2, Central and Arctic Region

BUOY DATA

															Anchor		Mooring			
Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Type	Size (kg)	Type	Length (m)	Size (mm)	Importance
C-42	1545.500	CT7	Bouée lumineuse CT7	QC	4474	Night	1.4m Stand-up Buoy		Steel	Green	Seasonal	39.00	50° 51' 12.207"	58° 57' .849"	Serrated	1814	Chain	54.9	20	1
C-42	1552.500	MB1	Bouée lumineuse MB1 - Baie des Moutons	QC	4474	Night	0.75m SB 105 Can	52	Plastic	Green	Seasonal	12.00	50° 46' 20.17"	59° 1' 52.54"	Serrated	136	Chain	9.1	14	2

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Saint-Augustin
Contract Area no.:	C-43
Province(s):	Quebec
Contract Area Description:	The Contract Area includes Saint-Augustin
Coast Guard Depot:	Quebec City, Quebec
Commissioning date:	No later than May 15th
Decommissioning date:	No earlier than October 15th
Total no. of buoys:	12
Buoy size :	Varies, 1.25m to 1.5m diameter
Maximum anchor size (weight (kg)):	907
Maximum buoy weight (kg) :	1811
Maximum water depth (m) :	31.9
Operational Season:	May 01 to November 15th
Overview of work activities:	All buoys are seasonal; seasonal buoys are placed in the spring and removed in the fall. All buoys have lanterns. At Commissioning, work includes placing of seasonal buoys. Decommissioning work includes lifting of seasonal buoys. Unscheduled work includes response to discrepancies during the operational season.
Comment:	N/A

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-43	1540.000	CUS2	Bouée lumineuse CUS2	QC	4473	Night	1.25m Mobilis FB 1240	300	Plastic/Steel	Red	Seasonal	4.80	51° 12' 27.02"	58° 35' 36.87"	Serrated	136	Chain	9.1	14	2
C-43	1542.050	CUS5	Bouée lumineuse CUS5	QC	4473	Night	1.5m Discus	215	Aluminum	Green	Seasonal	0.00	51° 12' 41.38"	58° 36' 12.53"	Serrated	136	Chain	6.1	20	2
C-43	1542.051	CUS7	Bouée lumineuse CUS7	QC	4473	Night	1.5m Discus	215	Aluminum	Green	Seasonal	0.00	51° 12' 46.49"	58° 36' 13.24"	Serrated	136	Chain	6.1	20	2
C-43	1542.052	CUS9	Bouée lumineuse CUS9	QC	4473	Night	1.5m Discus	215	Aluminum	Green	Seasonal	0.00	51° 13' 2.31"	58° 36' 35.33"	Serrated	136	Chain	6.1	20	2
C-43	1542.053	CUS10	Bouée lumineuse CUS10	QC	4473	Night	1.5m Discus	215	Aluminum	Red	Seasonal	0.00	51° 13' 2.22"	58° 36' 53.13"	Serrated	136	Chain	6.1	20	2
C-43	1542.054	CUS11	Bouée lumineuse CUS11	QC	4473	Night	1.5m Discus	215	Aluminum	Green	Seasonal	0.00	51° 12' 53.37"	58° 37' 4.59"	Serrated	136	Chain	6.1	20	2
C-43	1542.055	CUS13	Bouée lumineuse CUS13	QC	4473	Night	1.5m Discus	215	Aluminum	Green	Seasonal	0.00	51° 12' 44.25"	58° 37' 7.34"	Serrated	136	Chain	6.1	20	2
C-43	1542.056	CUS14	Bouée lumineuse CUS14	QC	4473	Night	1.5m Discus	215	Aluminum	Red	Seasonal	0.00	51° 12' 38.99"	58° 37' 25.27"	Serrated	136	Chain	6.1	20	2
C-43	1542.057	CUS15	Bouée lumineuse CUS15	QC	4473	Night	1.5m Discus	215	Aluminum	Green	Seasonal	0.00	51° 12' 52.62"	58° 37' 46.15"	Serrated	136	Chain	6.1	20	2
C-43	1542.058	CUS17	Bouée lumineuse CUS17	QC	4473	Night	1.5m Discus	215	Aluminum	Green	Seasonal	0.00	51° 13' 10.51"	58° 37' 54.17"	Serrated	136	Chain	6.1	20	2
C-43	1542.059	CUS19	Bouée lumineuse CUS19	QC	4473	Night	1.5m Discus	215	Aluminum	Green	Seasonal		51° 13' 12.21"	58° 38' 19.52"	Serrated	136	Chain	6.1	20	2
C-43	1542.480	CU35	Bouée lumineuse CU35; GRAND RIGOLET	QC	4473	Night	1.4m Buoy	1811	Steel	Green	Seasonal	31.90	51° 3' 43.117"	58° 40' 36.567"	Serrated	907	Chain	45.7	20	1

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Rivière-Saint-Paul
Contract Area no.:	C-44
Province(s):	Quebec
Contract Area Description:	The Contract Area includes Rivière-Saint-Paul
Coast Guard Depot:	Quebec City, Quebec
Commissioning date:	No later than May 15th
Decommissioning date:	No earlier than October 15th
Total no. of buoys:	6
Buoy size :	Varies, 0.4m to 0.75m diameter
Maximum anchor size (weight (kg)):	95
Maximum buoy weight (kg) :	45
Maximum water depth (m) :	12
Operational Season:	May 01 to November 15th
Overview of work activities:	All buoys are seasonal; seasonal buoys are placed in the spring and removed in the fall. 1 buoy has lantern; the remainder are unlit. At Commissioning, work includes placing of seasonal buoys. Decommissioning work includes lifting of seasonal buoys. Unscheduled work includes response to discrepancies during the operational season.
Comment:	N/A

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-44	1531.700	C12	Bouée lumineuse C12; BAIE BONNE ESPERANCE	QC	4471	Night	0.75m SB 105 Conical	52	Plastic	Red	Seasonal	12.00	51° 25' 2.8889"	57° 39' 17.728"	Serrated	61	Chain	16.8	14	2
C-44	6531.450	CX2	CX2; SALMON BAY	QC	4471	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	3.60	51° 25' 12.2364"	57° 39' 15.8859"	Serrated	45	Chain	12.2	14	2
C-44	6539.040	STPAU	STPAU ST-PAUL	QC	4471	Unlit	0.75m SB 105 Conical	52	Plastic	Red-white	Seasonal	0.60	51° 26' 8.6594"	57° 42' 10.6639"	Serrated	61	Chain	16.8	14	2
C-44	6539.050	CX3	CX3; RIVIERE ST-PAUL	QC	4471	Unlit	0.4m SB 40 Can Plastic	11	Plastic	Green	Seasonal	0.60	51° 28' 4.8665"	57° 42' 29.7989"	Serrated	45	Chain	3	14	2
C-44	6539.055	CX4	CX4; RIVIERE ST-PAUL	QC	4471	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	0.60	51° 25' 41.6537"	57° 38' 34.159"	Serrated	45	Chain	6.1	14	2
C-44	6539.065	CX6	CX6; RIVIERE ST-PAUL	QC	4471	Unlit	0.4m SB 40 Conical Plastic	11	Plastic	Red	Seasonal	0.60	51° 25' 47.7016"	57° 38' 12.0131"	Serrated	45	Chain	6.1	14	2

APPENDIX C.2 Central & Arctic / LIST OF BUOYS BY CONTRACT AREA

Contract Area Overview.

Contract Area name:	Blanc-Sablon
Contract Area no.:	C-45
Province(s):	Quebec
Contract Area Description:	The Contract Area includes
Coast Guard Depot:	Quebec City, Quebec
Commissioning date:	No later than May 15th
Decommissioning date:	No earlier than October 15th
Total no. of buoys:	3
Buoy size :	Varies, 1.2m to 1.4m diameter
Maximum anchor size (weight (kg)):	1814
Maximum buoy weight (kg) :	1811
Maximum water depth (m) :	21.9
Operational Season:	May 01 to November 15th
Overview of work activities:	All buoys are seasonal; seasonal buoys are placed in the spring and removed in the fall. All buoys have lanterns. At Commissioning, work includes placing of seasonal buoys. Decommissioning work includes lifting of seasonal buoys. Unscheduled work includes response to discrepancies during the operational season.
Comment:	N/A

Appendix C.2, Central and Arctic Region

BUOY DATA

Contract Area	List of Light No	Aid Id	Aid Name	Prov.	Main Chart No	Light Type	Type of Aid	Weight	Aid Material	Colour	Service	Depth (m)	Latitude	Longitude	Anchor		Mooring			Importance
															Type	Size (kg)	Type	Length (m)	Size (mm)	
C-45	1528.600	CY9	Bouée lumineuse CY9; LOURDES DE BLANC-SABLON	QC	4470	Night	1.2 m MOBILIS BC-1242	380	Plastic/Steel	Green	Seasonal	8.60	51° 24' 25.5515"	57° 11' 42.6725"	Serrated	907	Chain	18.3	20	2
C-45	1528.700	CY10	Bouée lumineuse CY10	QC	4470	Night	1.2 m MOBILIS BC-1242	380	Plastic/Steel	Red	Seasonal	7.00	51° 24' 23.2115"	57° 11' 40.7526"	Serrated	1360.8	Chain	15.2	20	2
C-45	1529.000	CB2	Bouée lumineuse CB2; BAIE DE BRADOR	QC	4470	Night	1.4m Buoy	1811	Steel	Red	Seasonal	21.90	51° 27' 3.8101"	57° 15' 19.3627"	Serrated	1814	Chain	54.9	20	2