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Coast Guard

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RADIO AIDS TO MARINE NAVIGATION (Atlantic, St. Lawrence, Great Lakes, Lake Winnipeg and Eastern Arctic)

CANADIAN COAST GUARD

Marine Communications and Traffic Services

Annual Edition 2009

IMPORTANT

*This publication is revised on a monthly basis (when required)
through Notices to Mariners Part III*



Canada

THUNDER BAY, ONTARIO
Marine Communications and Traffic Services Centre

MMSI: 00 316 0031

Call Sign: VBA

Hours: H24

For Radio Service call Thunder Bay Coast Guard Radio.

Mailing Address: Fisheries and Oceans Canada
 Canadian Coast Guard
 Officer-in-Charge – MCTS Operations
 Thunder Bay MCTS Centre
 Suite 400 – 100 Main Street
 THUNDER BAY, ON P7B 6R9

Telephone Numbers: 807-345-4618 Officer in Charge
 807-345-5190 MCTS Operations

Facsimile: 807-345-2688

◆ **Thunder Bay MCTS Centre VHF Direction Finding Advisory Service:**

A VHF/DF advisory service is available for vessels in difficulty in Georgian Bay within range of receiver sites located at Tobermory, Cape Croker, Banks and Pointe au Baril. Position and/or bearing and distance information may be provided for use at the discretion of the recipient (operational April 1 to December 31).

MCTS Thunder Bay / VBA – Ship/Shore Communications serving the Great Lakes

COMMUNICATIONS SITES SERVING THE GREAT LAKES:	CHANNEL	TRANSMIT	RECEIVE	REMARKS
		FREQUENCIES	FREQUENCIES	
Thunder Bay 48°26'02"N 89°18'06"W	Ch12 Ch16 Ch70 Ch85*			Commercial vessels entering the Port of Thunder Bay are requested to contact Thunder Bay MCTS Centre on Ch12 when abeam of Welcome Islands and also when shifting berths or departing the harbour
Horn 48°49'08"N 87°21'20"W	Ch16 Ch24* Ch70			
Bald Head 47°39'54"N 84°47'36"W	Ch16 Ch27* Ch70			
Sault Ste. Marie (Gros Cap) 46°32'11"N 84°35'00"W	Ch11 Ch16 Ch24* Ch70			
Silver Water, (Manitoulin Island) 45°54'05"N 82°54'55"W	Ch11 Ch16 Ch27* Ch70			
Warton 44°44'50"N 81°06'44"W	Ch16 Ch26* Ch70			
Meaford 44°30'56"N 80°34'00"W	Ch16 Ch70 Ch85*			

MCTS Thunder Bay / VBA – Ship/Shore Communications serving the Great Lakes

COMMUNICATIONS SITES SERVING THE GREAT LAKES:	CHANNEL	TRANSMIT	RECEIVE	REMARKS
		FREQUENCIES	FREQUENCIES	
Tobermory ♦ 45°09'42"N 81°29'55"W	Ch16 Ch26* Ch70			
Killarney 45°58'05"N 81°29'22"W	Ch16 Ch24* Ch70			
Pointe au Baril ♦ 45°33'50"N 80°19'18"W	Ch16 Ch26* Ch70			

MCTS Thunder Bay / VBA – Ship/Shore Communications serving Lake Winnipeg

SITES SERVING LAKE WINNIPEG:	CHANNEL	TRANSMIT	RECEIVE	REMARKS
		FREQUENCIES	FREQUENCIES	
Beaver Creek 51°23'22"N 96°54'49"W	Ch16 Ch26			Operational May 15 to October 31
Fraserwood 50°34'19"N 97°13'54"W	Ch16 Ch19			Operational May 15 to October 31
Jackhead 51°52'55"N 97°18'50"W	Ch16 Ch26			Operational May 15 to October 31
Long Point 52°55'46"N 98°57'52"W	Ch16 Ch26			Operational May 15 to October 31

MCTS Thunder Bay / VBA – Ship/Shore Communications serving Hudson Bay

COMMUNICATIONS SITES SERVING HUDSON BAY:	CHANNEL	TRANSMIT	RECEIVE	REMARKS
		FREQUENCIES	FREQUENCIES	
Churchill (Manitoba) 58°45'42"N 93°56'39"W	Ch16 Ch26*			Operational only during navigation season. July 1 to October 31, approximately
	407*	2182J3E 2582J3E 4375J3E	2182 2206* 4083*	

MCTS Thunder Bay / VBA – Great Lakes Broadcasts

TIME UTC	FREQUENCY	CONTENTS
0230	518F1B	NAVTEX: (P) • Weather.
0630	518F1B	NAVTEX: (P) • Notices to Shipping. • Ice (during ice season).
1030	518F1B	NAVTEX: (P) • Weather.
1430	518F1B	NAVTEX: (P) • Weather.
1830	518F1B	NAVTEX: (P) • Notices to Shipping. • Ice (during ice season).
2230	518F1B	NAVTEX: (P) • Weather.

MCTS Thunder Bay / VBA – Great Lakes Broadcasts

TIME UTC	FREQUENCY	CONTENTS
Continuous (CMB WEST)	Ch21B Horn Sault Ste. Marie Ch83B Thunder Bay Bald Head	RADIOTELEPHONY: <ul style="list-style-type: none"> ➔ Localized Weather Warnings/Watches, Marine Weather Statements, Technical Marine Synopsis, Regular Marine Forecasts and MAFOR code, Wave Height Forecast and Extended Marine Forecasts for Lakes Superior and Huron, Georgian Bay (areas 405, 406, 407 and 408). LAWEB broadcast for reporting points from Duluth (Lake Superior) to Detour Reef (Lake Huron). Current ship weather observations. Notices to Shipping for Lake Superior and the St. Mary's River. Water levels for Lakes Superior and Huron. Ice hazard bulletin for Lakes Superior and Huron.
Continuous (CMB EAST)	Ch21B Tobermory Killarney Pointe au Baril Ch83B Silver Water Meaford	RADIOTELEPHONY: <ul style="list-style-type: none"> ➔ Localized Weather Warnings/Watches, Marine Weather Statements, Technical Marine Synopsis, Regular Marine Forecasts and MAFOR code, Wave Height Forecast and Extended Marine Forecasts for Lakes Superior and Huron, Georgian Bay (areas 405, 406, 407 and 408). Recreational boating forecast for the North Channel (May 15 to October 31). LAWEB broadcast for reporting points from Sault Ste Marie to Sarnia and Georgian Bay. Current ship weather observations. Notices to Shipping for Lake Huron north of latitude 44 00N, Georgian Bay (including Port Severn Lock), the North Channel and the St. Mary's River. Water levels for Lakes Superior and Huron. Ice hazard bulletin for Lakes Superior and Huron.

MCTS Thunder Bay / VBA – Lake Winnipeg Broadcasts

TIME UTC	FREQUENCY	CONTENTS
0140 0840 1240 1640 2140	Ch26 Jackhead Long Point Beaver Creek Ch19 Fraserwood	RADIOTELEPHONY: <ul style="list-style-type: none"> ➔ Localized Weather Warnings/Watches, Marine Weather Statements, Technical Marine Synopsis, Regular Marine Forecasts and MAFOR code, Wave Height Forecast and Extended Marine Forecasts for Lake Winnipeg. Ship Weather Reports. Weather observations for: Gimli, Grand Rapids, George Island, Norway House, Berens River, Victoria Beach and ODAS buoys. Notices to Shipping.

MCTS Thunder Bay / VBA – Hudson Bay Broadcasts

TIME UTC	FREQUENCY	CONTENTS
0040	Ch26 2582J3E Churchill	RADIOTELEPHONY: <ul style="list-style-type: none"> ➔ Localized Weather Warnings/Watches, Marine Weather Statements, Technical Marine Synopsis, Regular Marine Forecasts and MAFOR code, Wave Height Forecast and Extended Marine Forecasts for marine areas 156, 157, 158, 159, 162 and 163. Following areas on request; 160 and 161. Ice hazard bulletin for areas 155, 156, 157, 158, 159, 160 and 162. Notices to Shipping for waters south of 70 N between 75 W and 96 W, including James Bay, Hudson Bay and Foxe Basin.
1410	Ch26 2582J3E Churchill	RADIOTELEPHONY: <ul style="list-style-type: none"> ➔ Localized Weather Warnings/Watches, Marine Weather Statements, Technical Marine Synopsis, Regular Marine Forecasts and MAFOR code, Wave Height Forecast and Extended Marine Forecasts for marine areas 156, 157, 158, 159, 162 and 163. Following areas on request; 160 and 161. Notices to Shipping for waters south of 70 N between 75 W and 96 W, including James Bay, Hudson Bay and Foxe Basin.

MCTS Thunder Bay / VBA – Hudson Bay Broadcasts

TIME UTC	FREQUENCY	CONTENTS
1520	Ch26 2582J3E Churchill	RADIOTELEPHONY: <ul style="list-style-type: none"> Ice hazard bulletin for areas 155, 156, 157, 158, 159, 160 and 162.

**CANAL AND LOCKS OPERATIONS
ATLANTIC COAST, GULF AND ST. LAWRENCE RIVER TO MONTREAL, EASTERN ARCTIC**

NAME COORDINATES CALL SIGN	CLASS OF SERVICE	CHANNEL	REMARKS
CANSO LOCK, NS 45°38'04"N 61°24'30"W VAZ3	SC	16 11	Operated by Fisheries and Oceans Canada. Canal traffic only. Continuous during navigation season.

**CANAL AND LOCKS OPERATIONS
GREAT LAKES (includes St. Lawrence River to Montreal)**

NAME COORDINATES CALL SIGN	CLASS OF SERVICE	CHANNEL	REMARKS
BURLINGTON CANAL BRIDGE, ON 43°17'48"N 79°47'42"W XL146	SC	16 12	Operated by Department of Public Works. Ship traffic control only.
HAMILTON, ON 43°17'N 79°50'W XJF496		16 12	All vessels, excepting small craft, entering, leaving or intending to move within the harbour should contact the Hamilton Harbour Master directly on Ch12. Ship traffic control only.
SAULT STE. MARIE, ON CANAL LOCK 46°30'48"N 84°21'03"W VDX23	SC	16 14	Operated by Parks Canada. This station is not continuously attended to enable it to receive communications from vessels. Vessels intending to enter the Canadian Sault Ste. Marie Canal will be directed to the Canal by arrangement with the lockmaster at the United States St. Mary's Falls Canal, normally by means of visual signals. Ship traffic control only.
SEAWAY BEAUHARNOIS MELOCHEVILLE, QC 45°18'15"N 73°55'42"W VDX20	SC	16 14	Operated by Seaway Authority. Ship traffic control only.
SEAWAY IROQUOIS IROQUOIS, ON 44°49'50"N 75°18'46"W VDX21	SC	16 11	Operated by Seaway Authority. Ship traffic control only.
SEAWAY LONG POINT PORT COLBORNE, ON 42°53'15"N 79°14'57"W VDX 68	SC	16 11	Operated by Seaway Authority. Ship traffic control only.
SEAWAY NEWCASTLE PORT HOPE, ON 43°57'38"N 78°16'04"W VDX72	SC	16 11	Operated by Seaway Authority. Ship Reports respecting dangers to navigation as required. Ship traffic control only.