

FECN19 CWIS 171800

THIRTY DAY ICE OUTLOOK FOR THE GREAT LAKES ISSUED BY ENVIRONMENT CANADA ON 17 DECEMBER 2014 FOR MID-DECEMBER TO MID-JANUARY. THE NEXT SCHEDULED BULLETIN WILL BE ISSUED ON 31 DECEMBER 2014.

Lake Superior

Average air temperatures were near to above normal in the first half of December. Air temperatures will be above normal in the second half of December and below normal in the first half of January.

Thunder Bay.

End of December... 4 to 7 tenths thin and new lake ice except a small area of open water northeast of Pie Island.

Mid-January... Consolidated medium lake ice along the western shore and over the northeastern section of the bay. Elsewhere, 7 to 9 tenths thin and medium lake ice.

Nipigon and Black Bays.

End of December... Black Bay and the north-western portion of Nipigon Bay will be consolidated with medium lake ice. The remainder of Nipigon Bay will be 9 plus tenths new and thin lake ice.

Mid-January... Consolidated with thick lake ice except consolidated medium lake ice over the extreme eastern portion of Nipigon Bay.

From Grand Marais Minnesota to the entrance to Nipigon Bay.

End of December... A narrow band of new and thin lake ice along the shore.

Mid-January ... A 10 nautical mile wide band of new and thin lake ice along the shore except 7 to 9 tenths thin and medium lake ice from the shore to Isle Royale.

From Grand Marais to Duluth.

End of December... Open water except new and thin lake ice within 5 nautical miles of Duluth.

Mid-January ... Open water except 9 plus tenths thin and medium lake ice within 15 nautical miles of Duluth.

Southern Lake Superior west of Keweenaw Peninsula.

End of December... 7 to 9 tenths new and thin lake ice near the Apostle Islands. Consolidated medium lake ice in Chequamegon Bay. A narrow band of new and thin lake ice west of the Apostle Islands to Duluth.

Mid-January... 7 to 9 tenths thin with some medium lake ice within 15 nautical miles of the shore. Consolidated medium and thick lake ice around the Apostle Islands and in Chequamegon Bay.

Southern Lake Superior east of the Keweenaw Peninsula.

End of December... Generally open water.

Mid-January ... A narrow band of new and thin lake ice along the shore.

Whitefish Bay.

End of December... Consolidated medium lake ice in sheltered bays. Patches of new and thin lake ice along the southwest shore and near the mouth of the St Marys River.

Mid-January... Consolidated medium lake ice in sheltered bays. 7 to 9 tenths thin with some medium lake ice elsewhere.

From Whitefish Bay northwards to Michipicoten Bay.

End of December... Open water.

Mid-January... Open water except patches of new lake ice with some thin lake ice along portions of the shore.

From Michipicoten Bay to the entrance to Nipigon Bay.

December 18 to January 15... Open water.

Elsewhere in Lake Superior.

December 18 to January 15... Ice free to open water.

Lake Michigan

Average air temperatures were near normal in the first half of December. Air temperatures will be above normal in the second half of December and below normal in the first half of January.

Green Bay.

End of December... Consolidated thin and medium lake ice in the Bays de Noc. 9 tenths thin and medium lake ice over the southern third of the bay except consolidated medium lake ice along portions of the shore. 5 to 7 tenths of new and thin lake ice south of Chambers Island.

Mid-January ... Consolidated thin and medium lake ice in the southern two thirds of the bay and in the Bays de Noc. 9 to 9 plus tenths thin and medium lake ice elsewhere.

Northeastern Lake Michigan.

End of December... 7 to 9 tenths thin lake ice within 20 nautical miles of the northern shore east of Seul Choix Point. A narrow band of new and thin lake ice from Seul Choix Point to the entrance to Green Bay.

Mid-January... 9 tenths thin and medium lake ice north and east of Beaver Island. A narrow band of new and thin lake ice from Seul Choix Point to the entrance to Green Bay.

Elsewhere in Lake Michigan.

End of December... Ice free to open water.

January 1 to 15... Open water except patches of new lake ice forming along portions of the southern shore.

Lake Huron and Georgian Bay

Average air temperatures were near normal in the first half of December. Air temperatures will be above normal in the second half of December and below normal in the first half of January.

North Channel.

End of December... Consolidated thin lake ice in sheltered bays. 4 to 7 tenths new and thin lake ice along the northern shore and over the extreme eastern and western ends of the channel.

Mid-January... Consolidated with thin and medium lake ice over the eastern and western ends of the channel. Elsewhere, 9 tenths thin with some medium lake ice.

St Mary's River.

End of December... 9 to 9 plus tenths new and thin lake ice.

January 1 to 15... Consolidated with thin and medium lake ice in the first week.

South of Manitoulin Island westward to north-western Lake Huron.

Mid-December to January 15... Open water except isolated patches of new with some thin lake ice along the shore.

North-western Lake Huron near the Straits of Mackinac.

End of December... Consolidated thin lake ice in shallower bays along the north shore. Isolated patches of new and thin lake ice along the north shore and west of Bois Blanc Island into the Straits of Mackinac.

Mid-January... Consolidated medium lake ice sheltered bays. 7 to 9 tenths thin and medium lake ice north and west of Bois Blanc Island.

From north-western Lake Huron to Saginaw Bay.

End of December... Patches of new and thin lake ice along the shore.

Mid-January... A narrow band of new and thin lake ice along the shore.

Saginaw Bay.

End of December... Consolidated thin and medium lake ice along the south-eastern shore. Elsewhere, 7 to 9 tenths of thin with some medium lake ice.

Mid-January... Consolidated with medium lake ice.

The southern and eastern shore of Lake Huron.

End of December... Open water.

Mid-January... 7 to 9 tenths of thin with some medium lake ice within 10 nautical miles of the southern and eastern shore.

Georgian Bay.

End of December... Consolidated thin and medium lake ice in shallower coastal waters. A narrow band of new and thin lake ice along the eastern and northern shores.

Mid-January... Consolidated medium lake ice along the northern and eastern shores. A band of thin and medium lake ice within 20 nautical miles of the eastern and northern shores.

Elsewhere in Lake Huron.

December 18 to January 15... Open water to ice free.

Lake Erie and Lake St. Clair

Average air temperatures were near normal to above normal in the first half of December. Air temperatures will be above normal in the second half of December and below normal in the first half of January.

Lake St Clair and the Western Basin.

End of December...4 to 7 tenths new and thin lake ice.

Mid-January... 9 to 9 plus tenths of thin with some medium lake ice. Consolidated medium lake ice in Sandusky Bay.

The rest of Lake Erie.

End of December...Generally open water.

Mid-January... Narrow band of new and thin lake ice along the north shore from Point Pelee to just east of Port Stanley. Patches of new lake ice along the shores near Buffalo and east of Long Point Bay.

Lake Ontario

Average air temperatures were near normal in the first half of December. Air temperatures will be above normal in the second half of December and below normal in the first half of January.

Northeastern Lake Ontario.

End of December...Open water.

Mid-January... Consolidated thin with some medium lake ice in sheltered bays. Elsewhere narrow bands of 9 to 9 plus tenths new and thin lake ice along portions of the shore.

Bay of Quinte.

End of December...9 to 9 plus tenths thin lake ice.

January 1 to 15...Consolidated with thin lake ice in the first week. Consolidated with medium lake ice near mid-January.

St Lawrence River.

End of December...Open water except isolated patches of new lake ice in sheltered bays.

Mid-January...7 to 9 tenths new and thin lake ice.

Elsewhere in Lake Ontario.

December 18 to January 15... Ice free to open water. Isolated patches of new lake ice along the shore in January.

END

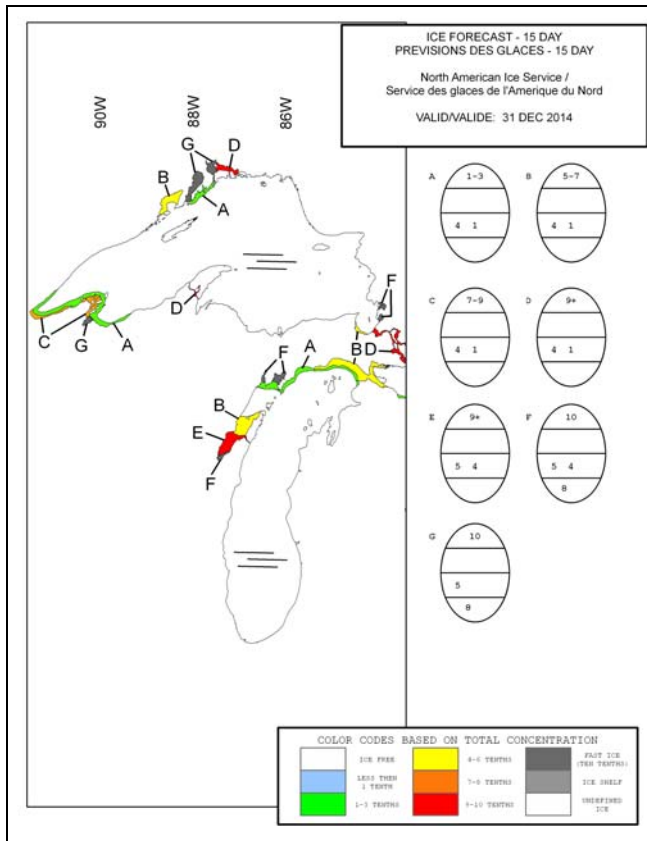


Figure 1: Ice forecast, western Great Lakes – 31 December 2014

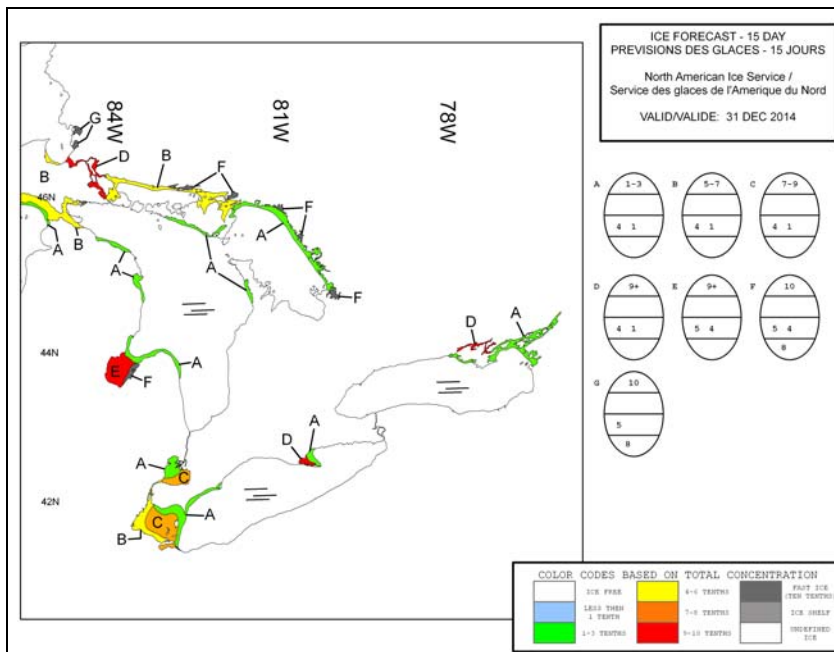


Figure 2: Ice forecast, eastern Great Lakes – 31 December 2014

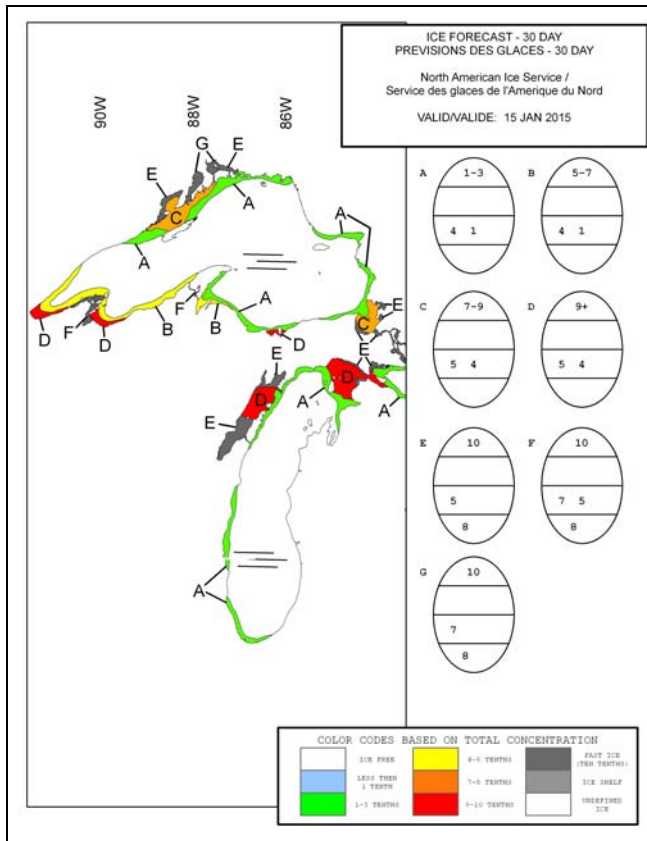


Figure 3: Ice forecast, western Great Lakes – 15 January 2015

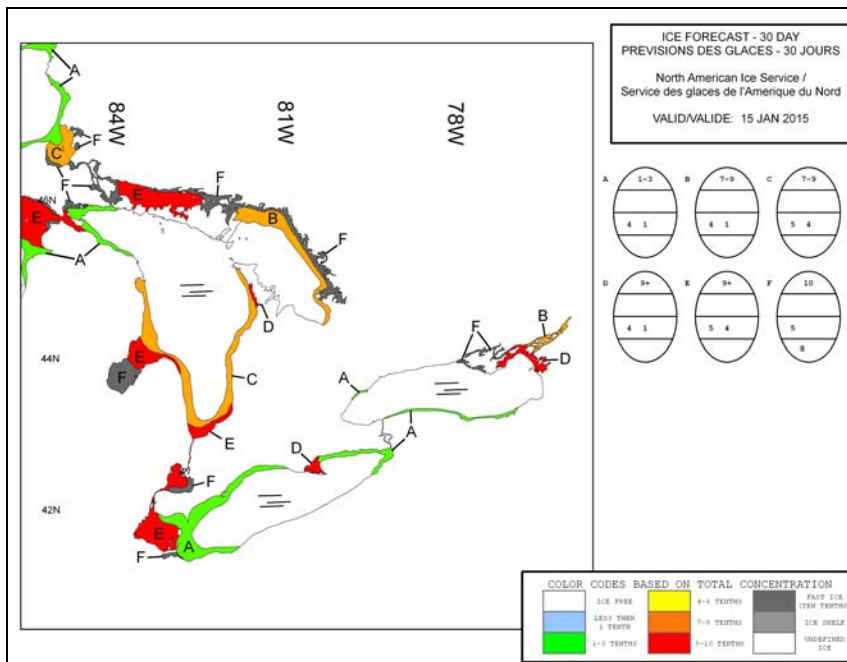


Figure 4: Ice forecast, eastern Great Lakes – 15 January 2015