

FECN19 CWIS 291800

THIRTY-DAY ICE OUTLOOK FOR THE GREAT LAKES ISSUED BY ENVIRONMENT CANADA ON 15 JANUARY 2024 FOR MID-JANUARY TO MID-FEBRUARY. THE NEXT SCHEDULED BULLETIN WILL BE ISSUED ON 1 FEBRUARY 2024.

### **Lake Superior**

Above normal air temperatures were experienced from mid-December to mid-January over Lake Superior. Temperatures are forecast to be near to below normal from mid-January to mid-February.

#### **Thunder Bay.**

January 15-18:

- Open water except 4-6 tenths new and thin lake ice along the shores.

January 19-22:

- 4-6 tenths new and thin lake ice except 7-8 tenths thin lake ice along the shores.

January 23-27:

- 7-8 tenths thin lake ice. Consolidated thin lake ice along the shore in the extreme northeastern section.

January 28- February 5:

- 9 tenths thin lake ice. Consolidated thin lake ice along parts of the shore.

February 6-11:

- 9-9+ tenths thin lake ice. Consolidated thin and medium lake ice along parts of the shore.

February 12-15:

- 9-9+ tenths thin and medium lake ice. Consolidated medium lake ice along the shore.

#### **Nipigon and Black Bays.**

January 15-18:

- 9+ tenths thin lake ice except consolidated medium lake ice in Black Bay and in western Nipigon Bay.

January 19-24:

- Consolidated medium lake ice.

January 25-31:

- Consolidated medium and thick lake ice.

February 1-15:

- Consolidated thick lake ice.

#### **From Grand Marais Minnesota to the entrance to Nipigon Bay.**

January 15-19:

- Open water except 1-3 tenths new and thin lake ice along parts of the shores.

January 20-31:

- 1-3 tenths new lake ice except 4-6 tenths new and thin lake ice along the shore from Thunder Bay to Black Bay.

February 1-8:

- 4-6 tenths new and thin lake ice except 7-8 tenths new and thin lake ice along the shore from Thunder Bay to Black Bay.

February 9-15:

- 4-6 tenths thin lake ice except 7-8 tenths thin lake ice along the shore from Thunder Bay to Black Bay.

**From Grand Marais to Duluth.**

January 15-21:

- Open water except 1-3 tenths new lake ice near Duluth.

January 22-31:

- Open water except 1-3 tenths new lake ice near Grand Marais and 7-8 tenths new lake ice near Duluth.

February 1-11:

- Open water except 4-6 tenths new and thin lake ice near Grand Marais and 9-9+ tenths thin lake ice near Duluth.

February 12-15:

- Open water except 4-6 tenths thin lake ice near Grand Marais and 9-9+ tenths thin and medium lake ice near Duluth.

**Southern Lake Superior west of Keweenaw Peninsula.**

January 15-21:

- Open water except 4-6 tenths new lake ice along parts of the shore. 9-9+ tenths new lake ice along the shores in Chequamegon Bay.

January 22-29:

- 1-3 tenths new and thin lake ice except 9-9+ tenths thin lake ice in Chequamegon Bay. Consolidated thin lake ice along parts of the shore.

January 30-February 5:

- 1-3 tenths new, thin, and medium lake ice and 7-8 tenths new and thin lake ice along the shore except 9+ thin lake ice in Chequamegon Bay.

February 6-15:

- 1-3 tenths thin lake ice except 7-8 tenths thin lake ice near the shore. Consolidated thin lake ice in Chequamegon Bay and along the Apostle islands.

**Southern Lake Superior east of the Keweenaw Peninsula.**

January 15-29:

- Open water except 1-3 tenths new lake ice in a few sheltered bays.

January 30-February 5:

- Open water except 1-3 tenths new lake ice along parts of the shore. 7-8 tenths thin lake ice in sheltered bays.

February 6-15:

- 1-3 tenths new and thin lake ice except 9+ tenths thin and medium lake ice in sheltered bays.

**Whitefish Bay.**

January 15-21:

- Open water except 1-3 tenths new and thin lake ice along parts of the shore.

January 22-29:

- Open water except 4-6 tenths new and thin lake ice along the shore. 9-9+ tenths thin lake ice along parts of the shore in the eastern section.

January 30-February 5:

- 1-3 tenths new and thin lake ice except 9-9+ tenths thin lake ice along the shores and in Batchewana Bay.

February 6-15:

- 7-8 tenths new and thin lake ice. Consolidated medium lake ice in Batchewana Bay.

**From Whitefish Bay northwards to Michipicoten Bay.**

January 15-February 5:

- Open water.

February 6-15.

- Open water except 1-3 tenths new lake ice along parts of the shore.

**From Michipicoten Bay to the entrance to Nipigon Bay.**

January 15-February 5:

- Open water.

February 6-15.

- Open water except 1-3 tenths new lake ice along parts of the shore. 1-3 tenths new and thin lake ice near the entrance to Nipigon Bay.

**Elsewhere in Lake Superior.**

January 15-February 15:

- Ice free to open water.

**Lake Michigan**

Above normal air temperatures were experienced from mid-December to mid-January over Lake Michigan. Temperatures are forecast to be near to below normal from mid-January to mid-February.

**Green Bay.**

January 15-21:

- Open water except 7-8 tenths new and thin lake ice in the extreme southern and northern sections. 9-9+ thin lake ice along the shore in the extreme southern section. Consolidated thin lake ice in the Bays de Noc.

January 22-February 5:

- 4-6 tenths new and thin lake ice except 7-8 tenths thin lake ice in the northern and southern sections. Consolidated thin and medium lake in the Bays de Noc and in the extreme southern section.

February 6-15:

- 9-9+ tenths thin and medium lake ice. Consolidated medium lake ice in the southern section and in Bays de Noc.

**Northeastern Lake Michigan.**

January 15-21:

- Open water except 1-3 tenths new lake ice along parts of the northern shore and near the Straits of Mackinac.

January 22-29:

- Open water except 7-8 tenths new and thin lake ice along the northern shore and near the Straits of Mackinac.

January 30-February 15:

- 1-3 tenths new lake ice except 9-9+ tenths thin and medium lake ice along the northern shore and near the Straits of Mackinac. Consolidated thin lake ice along parts of the shore near the Straits of Mackinac.

**Elsewhere in Lake Michigan.**

January 15-21:

- Ice free except open water along parts of the shore.

January 22-31:

- Open water except 1-3 tenths new lake ice along parts of the southern and western shores.

February 1-15:

- Open water except 4-6 tenths new and thin lake ice along parts of the southern and western shores.

**Lake Huron and Georgian Bay**

Above normal air temperatures were experienced from mid-December to mid-January over Lake Huron and Georgian Bay. Temperatures are forecast to be near to below normal from mid-January to mid-February.

**North Channel.**

January 15-21:

- 1-3 tenths new lake ice except 7-8 tenths new and thin lake ice along parts of the shores.

January 22-29:

- 4-6 tenths new and thin lake ice except 9-9+ tenths new and thin lake ice along parts of the shores.

January 30-February 5:

- 9-9+ tenths new and thin lake ice. Consolidated thin lake ice in sheltered bays.

February 6-15:

- 9-9+ tenths thin lake ice except consolidated medium lake ice along the shores.

**St Mary's River.**

January 15-21:

- 9-9+ tenths thin lake ice except consolidated thin lake ice in sheltered bays.

January 22-29:

- Consolidated thin and medium lake ice.

January 30-February 15:

- Consolidated medium lake ice.

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

January 15-21:

- Open water.

January 22-29:

- Open water except 7-8 tenths new and thin lake ice in sheltered bays.

January 30-February 5:

- Open water except consolidated thin lake ice in sheltered bays.

February 6-15:

- Open water except consolidated thin and medium lake ice in sheltered bays

**North-western Lake Huron near the Straits of Mackinac.**

January 15-21:

- Open water except 7-8 tenths new lake ice along the northern shores and 1-3 tenths new lake ice along the southern shores.

January 22- February 5:

- 4-6 tenths new and thin lake ice except consolidated thin lake ice along parts of the north shore.

February 6-15:

- 4-6 tenths thin and medium lake ice except consolidated medium lake ice along parts of the north shore.

#### **From north-western Lake Huron to Saginaw Bay.**

January 15-21:

- Open water except patches of 1-3 tenths new and thin lake ice along the shore south of Alpena.

January 22-29:

- 1-3 tenths new lake ice along the shore except 7-8 tenths thin lake ice along the shore south of Alpena.

January 30-February 15:

- 4-6 tenths new and thin lake ice along the shore except 9-9+ tenths thin lake ice along the shore south of Alpena.

#### **Saginaw Bay.**

January 15-17:

- 4-6 tenths new and thin lake ice except 9-9+ new and thin lake ice along parts of the shore.

January 18-22:

- 7-8 tenths new and thin lake ice except consolidated thin lake ice along parts of the shore.

January 23-27:

- 9-9+ tenths thin and medium lake ice except consolidated thin and medium lake ice along parts of the shore.

January 28-February 15:

- 9-9+ tenths medium lake ice except consolidated medium lake ice along parts of the shore.

#### **The southern and eastern shore of Lake Huron.**

January 15-21:

- Open water.

January 22-29:

- Open water except 7-8 tenths new lake ice along parts the eastern shore.

January 30-February 5:

- Open water except 4-6 tenths new and thin lake ice along parts of the shores. 9-9+ thin lake ice along the Bruce Peninsula.

February 6-15:

- 4-6 tenths new and thin lake ice except 9-9+ thin lake ice along the Bruce Peninsula.

#### **Georgian Bay.**

January 15-21:

- Open water except 7-8 tenths new and thin lake ice along the northeastern shore. Consolidated thin lake ice in sheltered bays.

January 22-29:

- Open water except 9-9+ tenths thin lake ice in the northeastern section. Consolidated thin and medium lake ice along the northeastern shore.

January 30-February 15:

- 1-3 tenths new and thin lake ice except 9-9+ tenths thin lake ice in the northeastern section. Consolidated thin and medium lake ice along the northeastern shore.

**Elsewhere in Lake Huron.**

January 15-February 15:

- Open water to ice free.

**Lake Erie and Lake St. Clair**

Above normal air temperatures were experienced from mid-December to mid-January over Lake Erie and Lake St. Clair. Temperatures are forecast to be near to below normal from mid-January to mid-February.

**Lake St Clair and the Western Basin.**

January 15-18:

- 4-6 tenths new lake ice except 7-8 tenths new and thin lake ice along parts of the shore.

January 19-23:

- 7-8 tenths new and thin lake ice except 9-9+ tenths thin lake ice in eastern Lake St. Clair and along the north shore of Lake Erie west of Point Pelee.

January 24-February 5:

- 9-9+ tenths thin lake except 9-9+ thin and medium lake ice in eastern Lake St Clair.

February 6-15:

- 7-8 tenths thin lake ice except 9-9+ tenths thin and medium lake ice in eastern Lake St Clair and along the north shore of Lake Erie west of Point Pelee.

**The rest of Lake Erie.**

January 15-21:

- Open water except 9-9+ tenths new lake ice along the eastern shore of Long Point and near the Western Basin. Consolidated thin lake ice in Sandusky Bay.

January 22-31:

- Open water except 9 tenths thin lake ice near the Western Basin and along the eastern shore of Long Point. 4-6 tenths thin lake ice along parts of the north shore. Consolidated thin and medium lake ice in Sandusky Bay.

February 1-15:

- Open water except 7-8 tenths thin lake ice near the Western Basin and along the north shore. 4-6 tenths new and thin lake ice along parts of the south shore.

**Lake Ontario**

Above normal air temperatures were experienced from mid-December to mid-January over Lake Ontario. Temperatures are forecast to be near to below normal from mid-January to mid-February.

**Northeastern Lake Ontario.**

January 15-20:

- Open water except 7-8 tenths new and thin lake ice in sheltered bays.

January 21-26:

- Open water except 9-9+ thin lake ice in sheltered bays.

January 27-February 6:

- Open water except consolidated thin lake ice along parts of the shore.

February 7-15:

- 7-8 tenths new and thin lake ice except consolidated thin and medium lake ice along the shore.

**Bay of Quinte.**

January 15-19:

- Open water except 9-9+ tenths new lake ice along parts of the shore.

January 20-25:

- 9-9+ new and thin lake ice.

January 26-31:

- 9-9+ tenths thin lake ice except consolidated thin and medium lake ice in sheltered bays.

February 1-5:

- 9-9+ tenths thin and medium lake ice except consolidated medium lake ice in sheltered bays.

February 12-15:

- Consolidated medium lake ice.

**St Lawrence River.**

January 15-21:

- Open water except 4-6 tenths new and thin lake ice along parts of the shore.

January 22-31:

- 1-3 tenths new and thin lake ice except 7-8 tenths thin lake ice along parts of the shore.

February 1-15:

- 1-3 tenths thin lake ice except 9-9+ tenths thin and medium lake ice along parts of the shore.

**Elsewhere in Lake Ontario.**

January 15-24:

- Open water.

January 25-31:

- Open water except 1-3 tenths thin lake ice along parts of the shore east of Cobourg. Consolidated thin lake ice in sheltered bays east of Cobourg.

February 1-15:

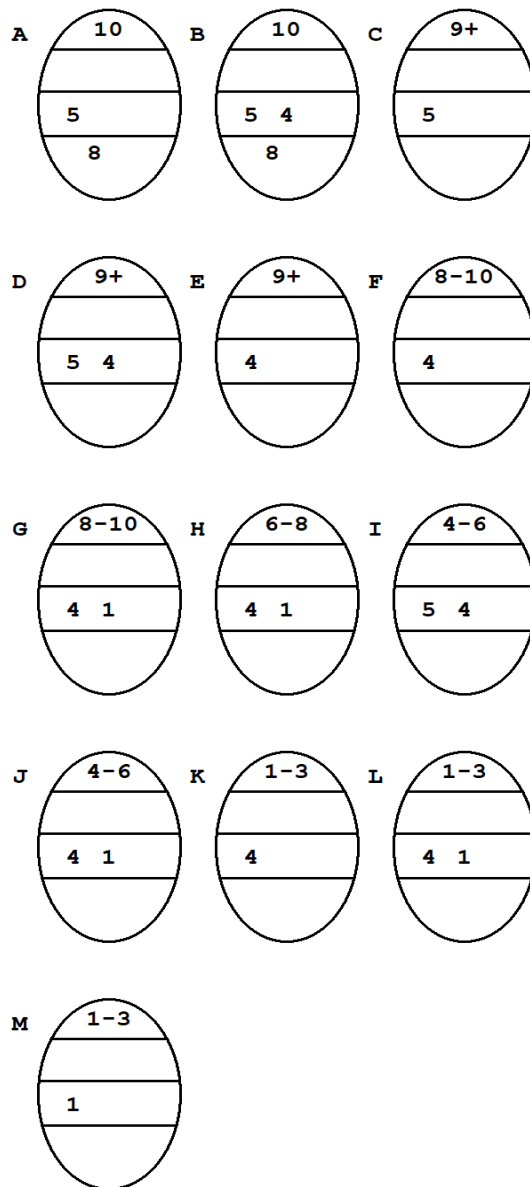
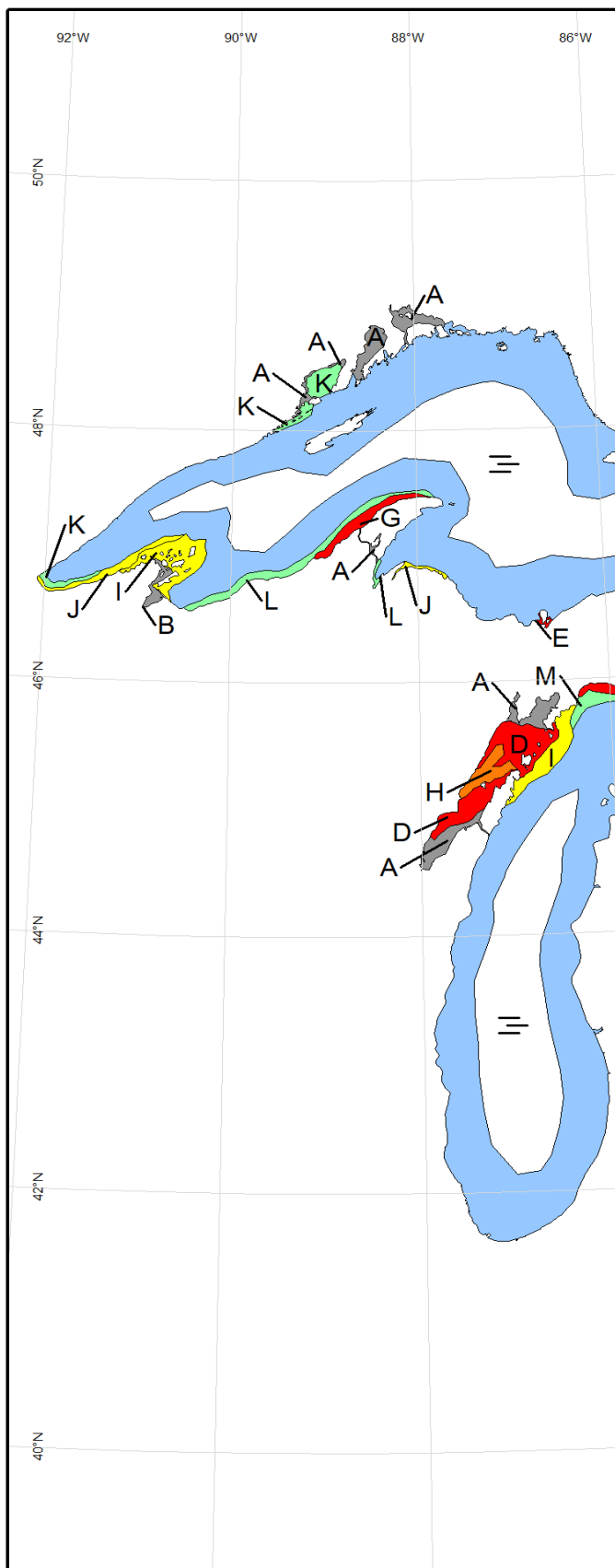
- Open water except 1-3 tenths thin lake ice along parts of the shore east of Cobourg. Consolidated medium lake ice along parts of the shore east of Cobourg.

END

# ICE FORECAST - 15 DAY PREVISIONS DES GLACES - 15 JOURS

North American Ice Service /  
Service des glaces de l'Amerique du Nord

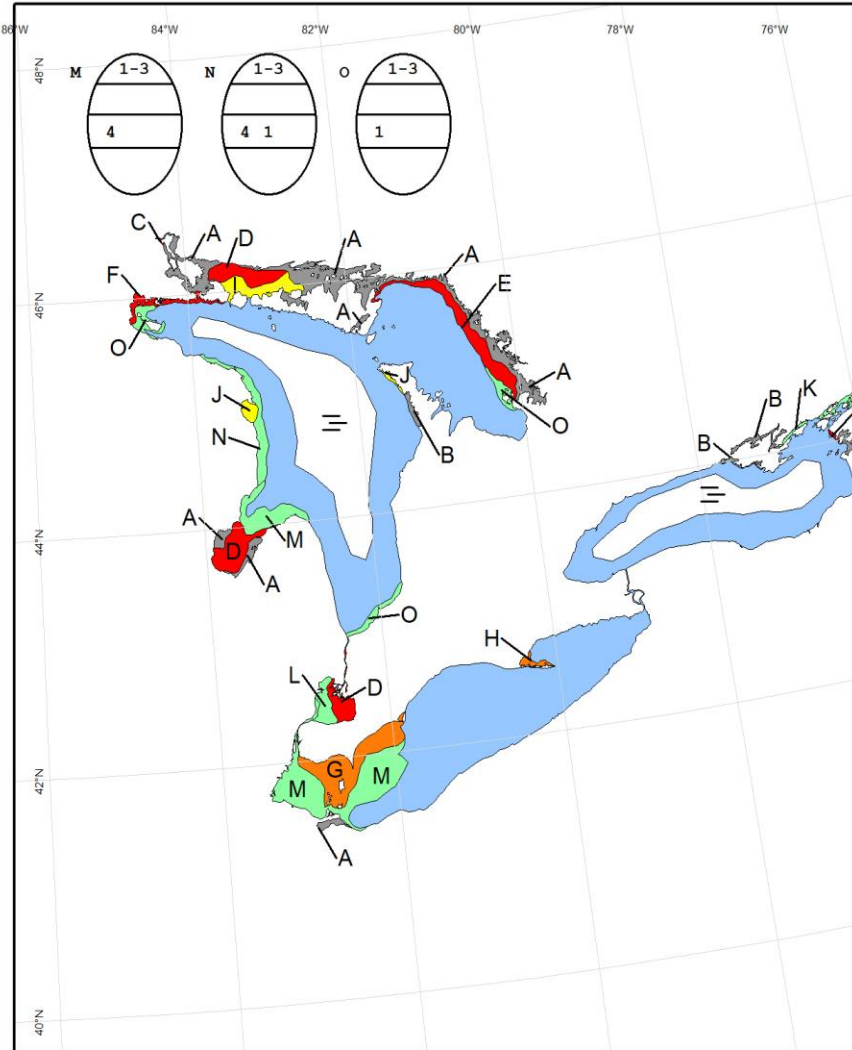
VALID/VALIDE: 01 FEB/FÉVR. 2024



## COLOR CODES BASED ON TOTAL CONCENTRATION

	ICE FREE		4-6 TENTHS		FAST ICE (TEN TENTHS)
	LESS THEN 1 TENTH		7-8 TENTHS		ICE SHELF
	1-3 TENTHS		9-10 TENTHS		UNDEFINED ICE

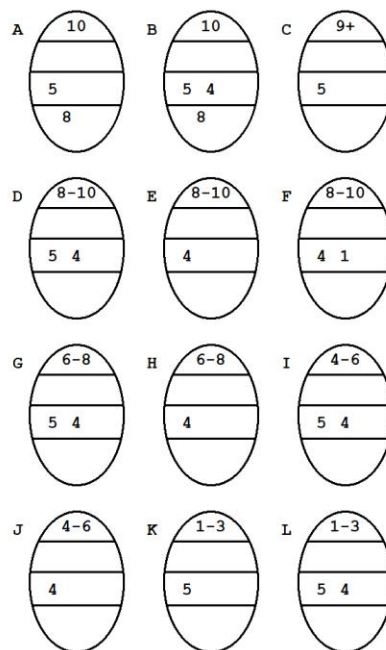




**ICE FORECAST - 15 DAY  
PREVISIONS DES GLACES - 15 JOURS**

**North American Ice Service /  
Service des glaces de l'Amérique du Nord**

**VALID/VALIDE: 01 FEB/FÉVR. 2024**



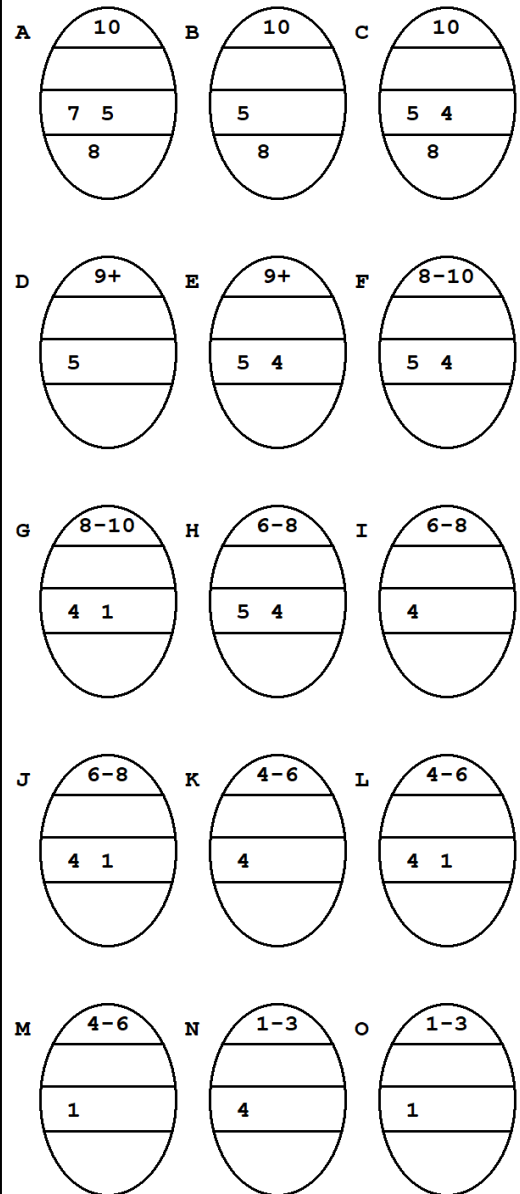
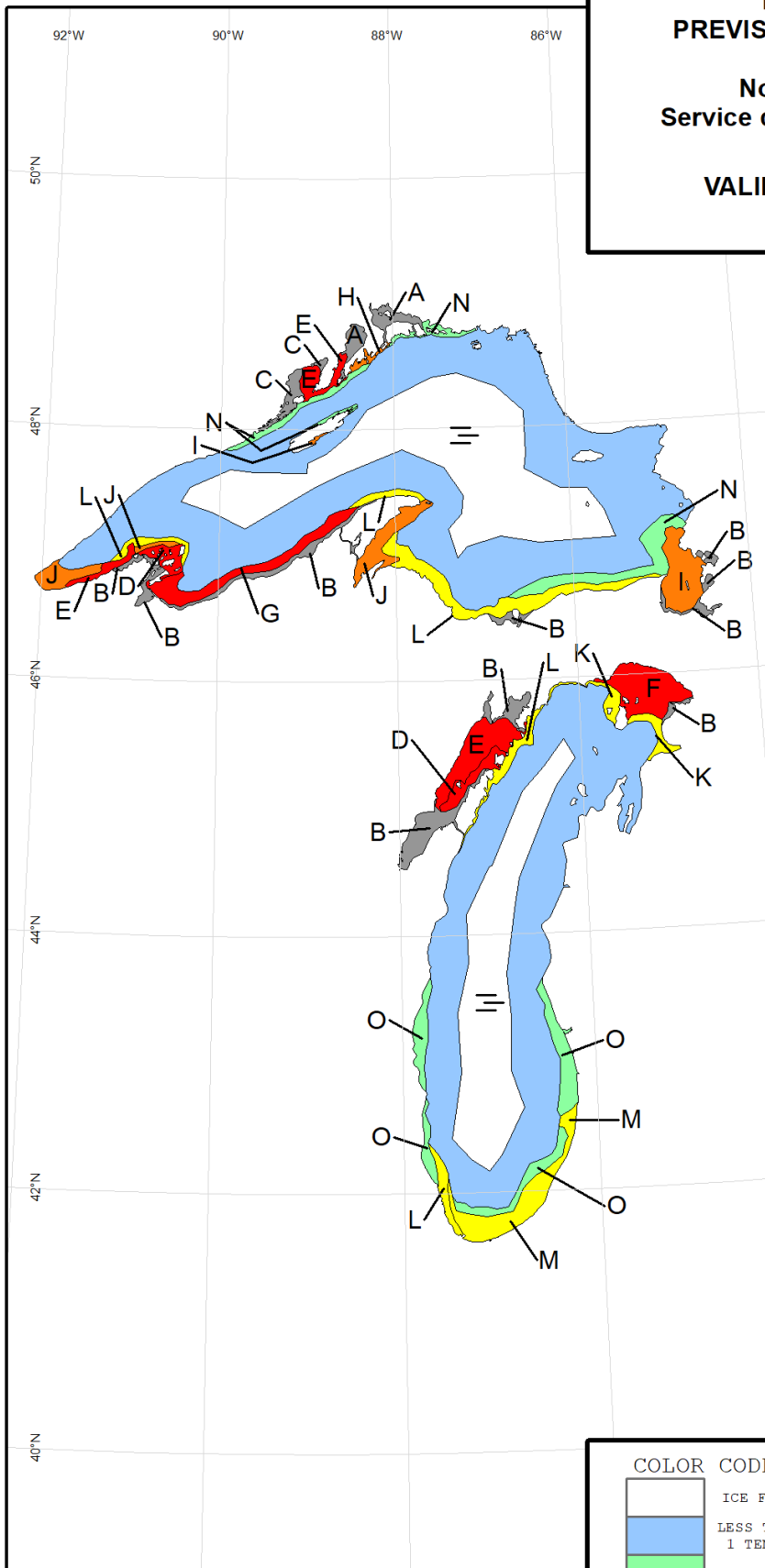
**COLOR CODES BASED ON TOTAL CONCENTRATION**

	ICE FREE		4-6 TENTHS		FAST ICE (TEN TENTHS)
	LESS THEN 1 TENTH		7-8 TENTHS		ICE SHELF
	1-3 TENTHS		9-10 TENTHS		UNDEFINED ICE

# ICE FORECAST - 30 DAY PREVISIONS DES GLACES - 30 JOURS

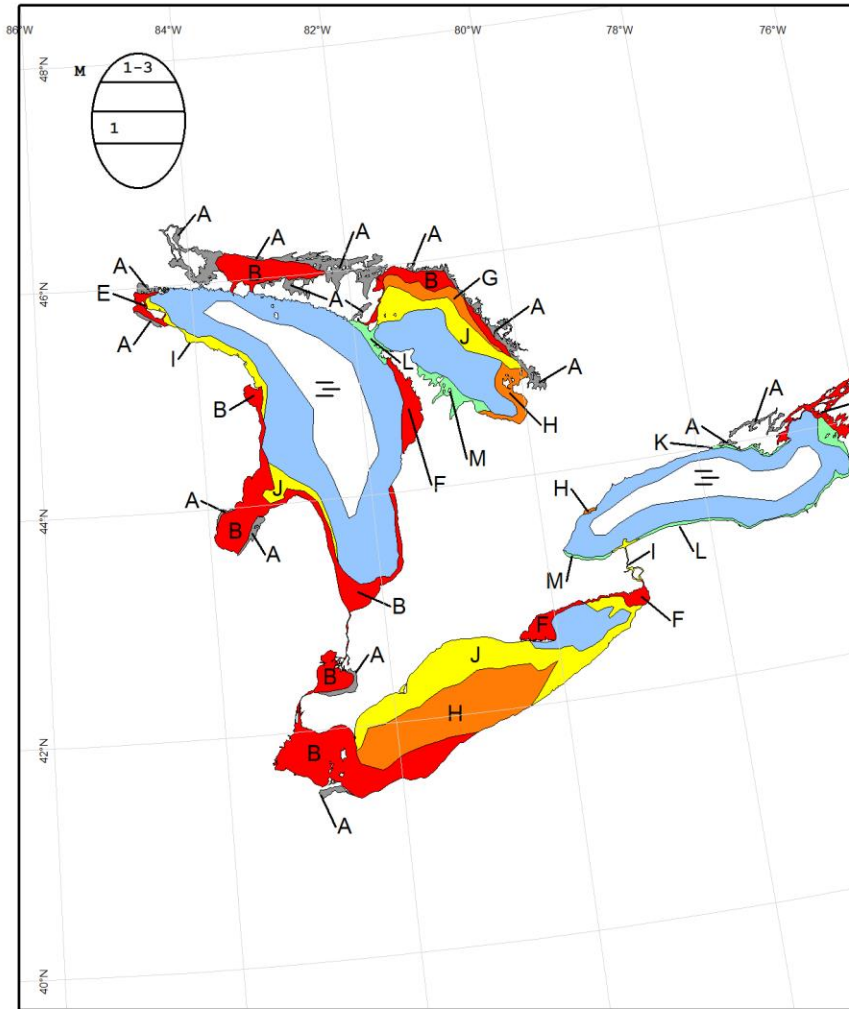
North American Ice Service /  
Service des glaces de l'Amérique du Nord

VALID/VALIDE: 15 FEB/FÉVR. 2024



## COLOR CODES BASED ON TOTAL CONCENTRATION

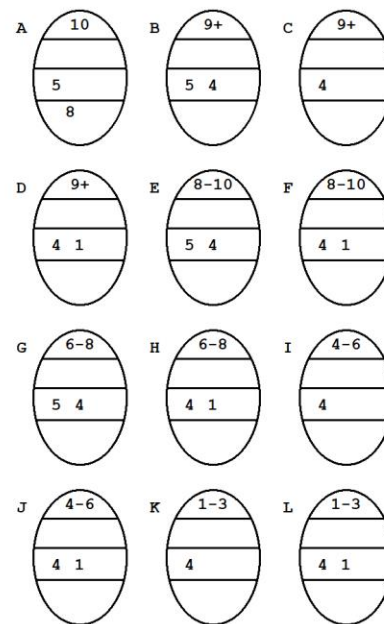
	ICE FREE		4-6 TENTHS		FAST ICE (TEN TENTHS)
	LESS THEN 1 TENTH		7-8 TENTHS		ICE SHELF
	1-3 TENTHS		9-10 TENTHS		UNDEFINED ICE












**ICE FORECAST - 30 DAY  
PREVISIONS DES GLACES - 30 JOURS**

**North American Ice Service /  
Service des glaces de l'Amerique du Nord**

**VALID/VALIDE: 15 FEB/FÉVR. 2024**



COLOR CODES BASED ON TOTAL CONCENTRATION					
	ICE FREE		4-6 TENTHS		FAST ICE (TEN TENTHS)
	LESS THEN 1 TENTH		7-8 TENTHS		ICE SHELF
	1-3 TENTHS		9-10 TENTHS		UNDEFINED ICE