

# **Great Lakes and Marine Industry News Update**

**February 2023**

# Cyber-attack on DNV's ShipManager software affects 1,000 ships

[IT & SOFTWARE](#) January 17, 2023, by Jasmina Ovcina Mandra

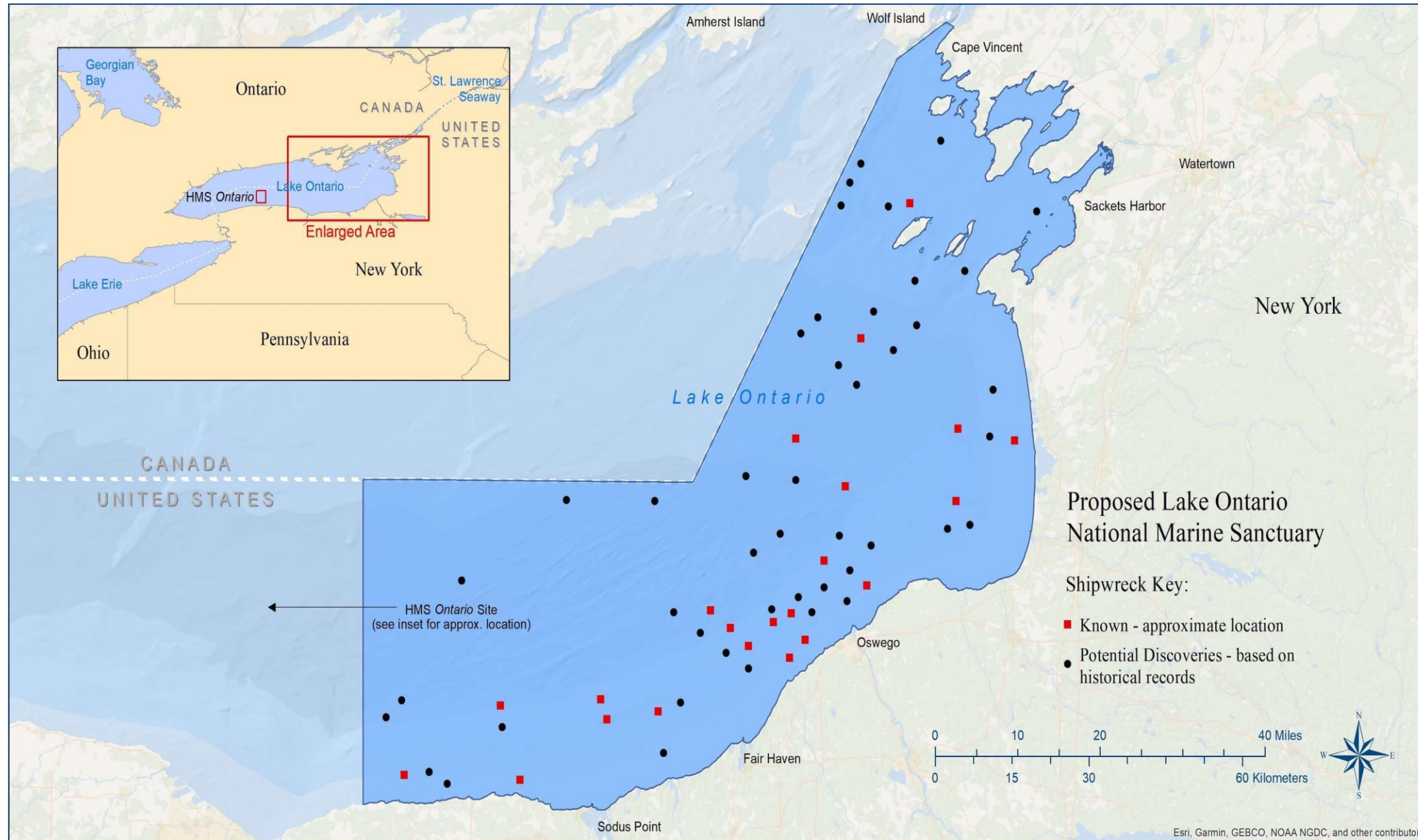
**Around 1,000 vessels were affected by the recent ransomware cyber-attack on DNV's ShipManager software, the classification society confirmed.**

**The attack took place on 7 January forcing DNV experts to shut down ShipManager's IT servers.**

**DNV said that all users can still use the onboard, offline functionalities of the software.**

**The fleet management software is intended for technical, operational, and compliance aspects of fleet management. The modularized solution includes a planned maintenance system (PMS), shipping procurement, ship safety management systems (QHSE), crew management system, hull integrity management, dry-docking and ship repair and shipping data analytics (business intelligence).**

**NOAA proposes a new national marine sanctuary in Lake Ontario to recognize the national significance of historical, archaeological, and cultural resources.**



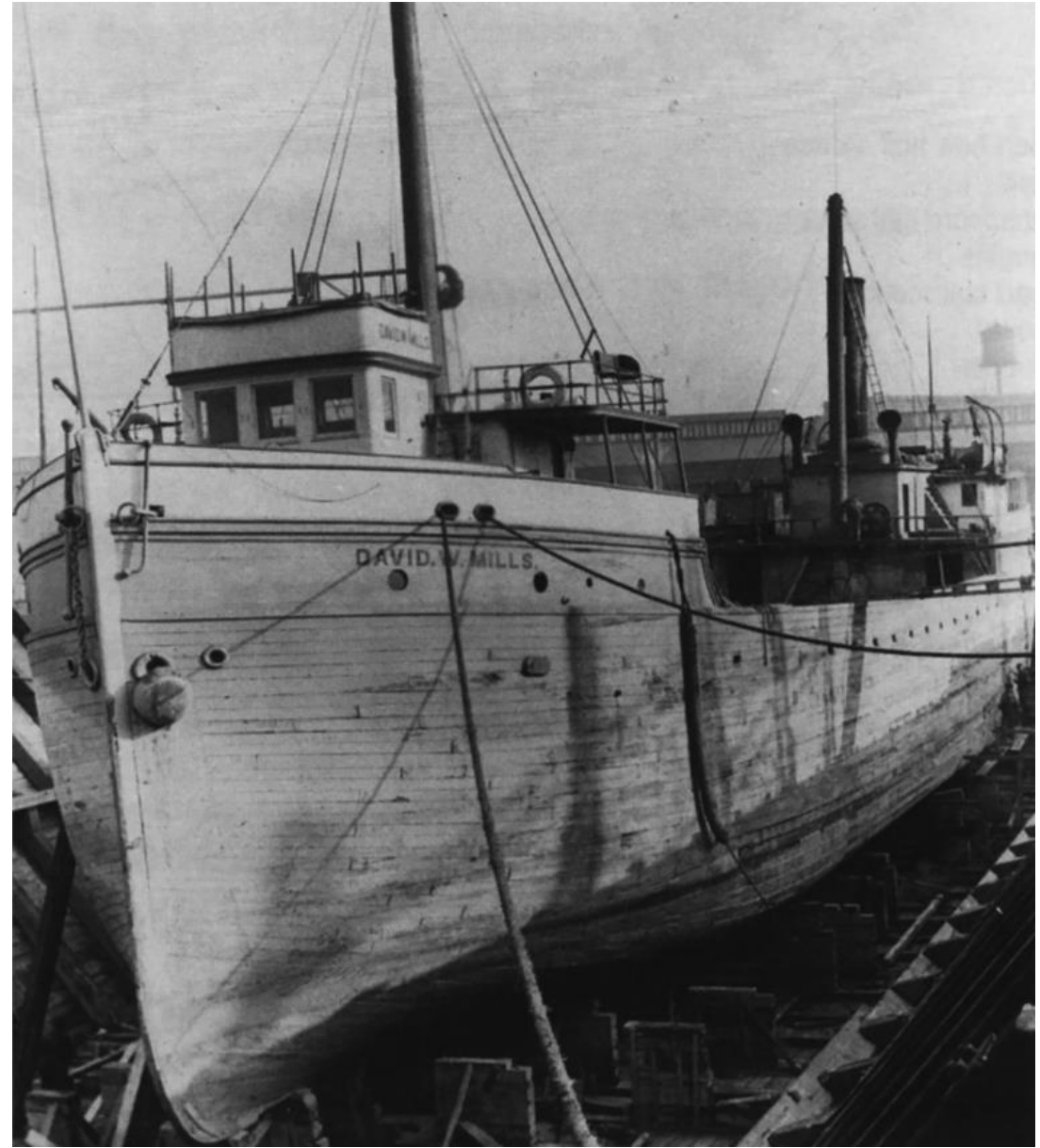
## **NOAA releases proposal to designate a national marine sanctuary in eastern Lake Ontario**

**NEWS PROVIDED BY National Marine Sanctuary Foundation January 19, 2023**





**Two divers investigate the wreck of the St. Peter, one of the most visited recreationally accessible shipwrecks in the proposed Lake Ontario National Marine Sanctuary. The 135-foot, three-masted schooner rests upright in 117 feet of water.** Credit: NOAA



**The wreck of the steamer David W. Mills, a typical 19th century cargo vessel, lies within the proposed sanctuary.** Photo courtesy of the Collection of Bowling Green State University.



# Massive Port Project Nears Completion,

Urban Milwaukee, January 21, 2023.

The final shape of the largest port of Milwaukee investment in more than 60 years is now clearly visible. The \$40 million facility, to be operated by Clinton-based DeLong Company, will be primarily used for exporting a nutrient-rich by-product from converting corn to ethanol to Europe, the Middle East and Africa. It's being funded as a public-private partnership between the city, state and federal governments and the private company.



**The DeLong agricultural maritime export facility.** Photo by Jeramey Jannene





## **Last Laker Leaves Twin Ports, Officially Ending the Shipping Season**

1/23/2023 Mary Kennedy  
By , DTN Basis Analyst

**The 639-foot laker, the Saginaw, leaving the Twin Ports after making one last run scheduled between the BNSF iron ore dock in Superior, Wisconsin, and the Algoma Steel facility in Sault Ste. Marie, Ontario.**

(Photo courtesy of Schauer Photo Images in Duluth, Minnesota)

# Great Lakes History





**First responders from local Toledo Ohio fire departments respond to a fire aboard the 762' self unloader M/V St. Clair in the Port of Toledo, February 16, 2019.**

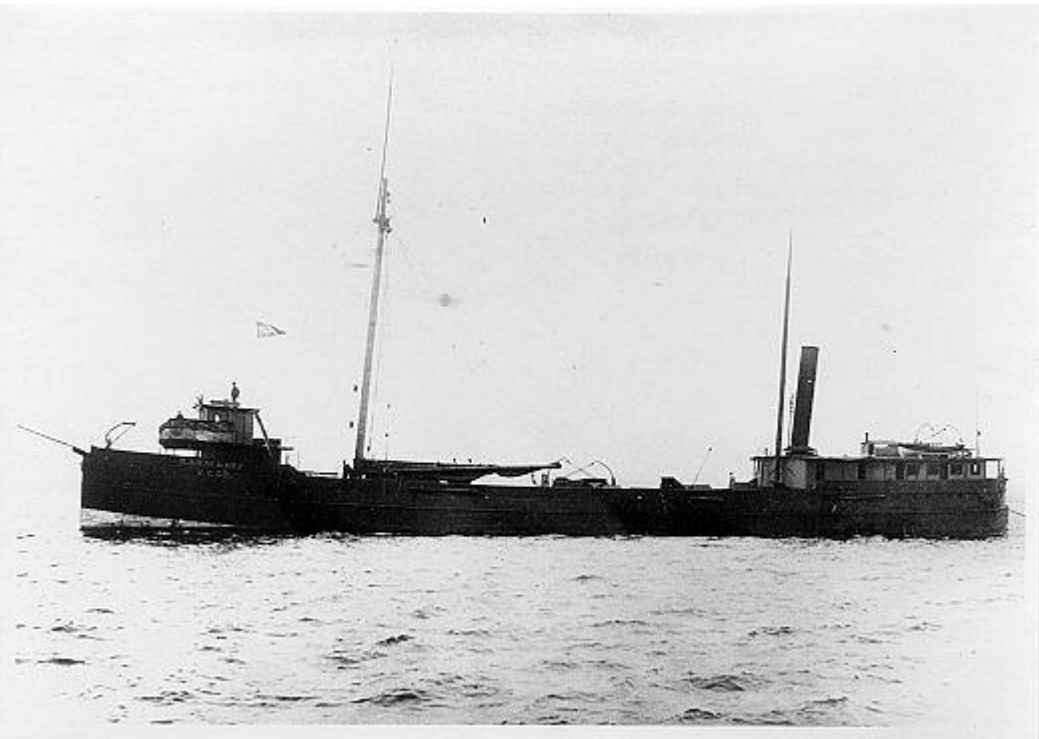
**(U.S. Coast Guard photo)**

**The vessel was declared a total loss. On December 7, 2021, the McKeil Marine tug MOLLY M 1 took the ST. CLAIR under tow to the Marine Recycling Corp. scrapyards at Port Colborne, ON.**



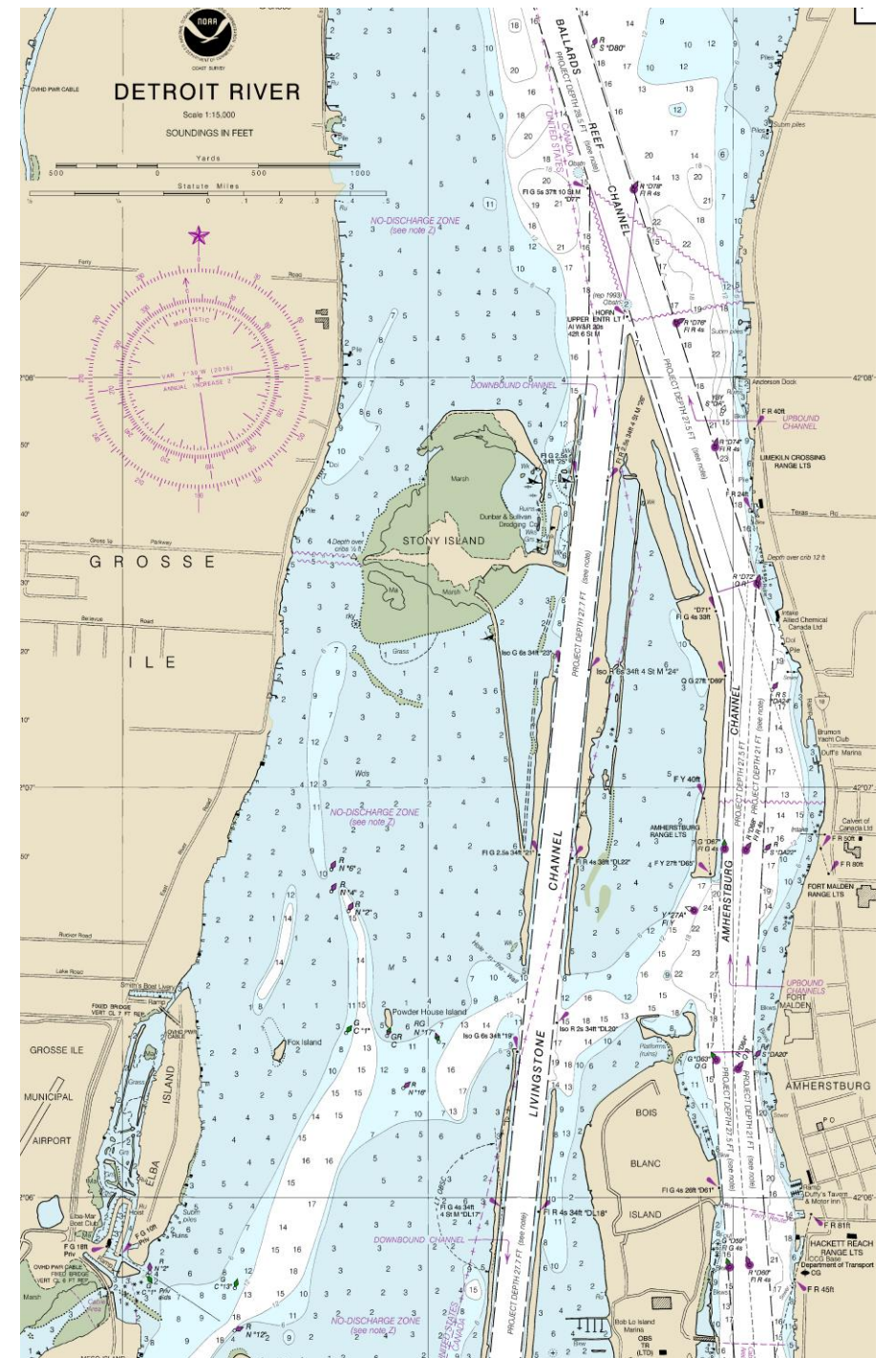
# Hackett Reach Ranges – Detroit River

On 1 February 1886, Captain Henry Hackett died in Amherstburg, Ontario, at the age of 65. He and his brother, J. H. Hackett, organized the Northwestern Transportation Company in 1869.



R. J. Hackett under steam c. 1900, showing the second deck installed in 1881.

*Wikipedia*







## **Bramble leaving the lakes in 2019.**

Marc Piche photo

## **Bramble recently at Gibson, LA.**

Courtesy Ron Newell Wilkins photo

### **Ex-USCG cutter Bramble being scrapped in Louisiana**

**USCGC Bramble (WLB-392) was one of the 39 original 180-foot seagoing buoy tenders built at Duluth, MN, between 1942 and 1944 for the Coast Guard. In commission from 1944 until 2003, she saw service in Pacific, Caribbean and Atlantic waters, as well as the Great Lakes. In 1947 Bramble was present at the nuclear testing at Bikini Atoll, and in 1957 a circumnavigation of North America involved a forced traverse of the Northwest Passage. Great Lakes service to 2003 (until 2019 as a museum in Port Huron, Michigan)**





## SEAWAY MONTHLY TRAFFIC RESULTS

### 2022 End of Navigation Results\*

Traffic (in thousands of tonnes)	SLSMC - Combined Traffic			
	Year to Date		Change from 2021	
	2021	2022	Tonnes	%
Total Cargo	38 193	36 271	-1922	-5.03%
All Grain	10 609	9 876	-733	-6.91%
Iron Ore	6 872	6 215	-657	-9.56%
Coal	2 116	1 765	-351	-16.60%
Dry Bulk	11 378	11 700	323	2.84%
Liquid Bulk	3 233	3 551	319	9.85%
General Cargo	3 909	3 068	-841	-21.52%
Vessel Transits	2021	2022	Transits	%
Total Transits	3 918	4 010	92	2.35%

\*Estimates

The St. Lawrence Seaway Management Corporation

# Seaway 2022 Highlights

- **Performing well through the 2022 season, extended to Jan. 9 on the Welland Canal in the fourth year of a five-year pilot project, were liquid bulk shipments, up by 9.85 per cent.**
- **General cargo was down 21.52 per cent, coal was down 16.60 per cent, and iron ore shipments dropped 9.56 per cent.**
- **Ninety-two more vessels transited the seaway system, including the 43-kilometre, eight-lock Welland Canal...up 2.35 per cent from last year at the same time.**
- **It also includes expanded cruise ship activity contributing to tourism and economic development in Canada and the United States, the seaway release said.**

# Potash shipments drive increase in dry bulk goods shipped on seaway in 2022

By The Welland Tribune Tuesday Jan. 24, 2023

- **Potash shipments through the 3,700-kilometre Great-Lakes- St. Lawrence Seaway shot up 100 per cent in 2022.**
- **The Seaway moved 36 + million tonnes of cargo; down 5.03 per cent, 1.922 million tonnes from 2021.**
- **11 million tonnes were dry bulk commodities such as coke, salt, and potash, up 2.84 per cent.**
- **Potash shipments were up as global issues — the invasion of Ukraine and sanctions imposed on Russia — affected fertilizer and grain supplies. Potash is a key ingredient in fertilizer, and Russia is one source of the mineral. Ukraine and Russia also account for more than 20 per cent of worldwide grain exports.**
- **The seaway said U.S. grain exports increased, and although month-over-month Canadian grain performed well, it did not match last year's results. Grain shipments were down 6.91 per cent, 733,000 tonnes, at the end of the 64th navigation season.**
- **“The effects of the 2021 drought in the Canadian prairies impacted export movements at the beginning of the 2022 season. That said, the improved 2022 grain harvest is expected to result in a strong start for 2023,” the release said.**





## **Agri-food sparks strong cargo volume at Hamilton-Oshawa Port**

Par Maritime Magazine 2023-02-0

**At the conclusion of 2022, Hamilton-Oshawa Port Authority (HOPA) saw a total of 10,366,810 metric tonnes (MT) of cargo transiting the ports of Hamilton and Oshawa combined. A total of 628 vessels visited its two ports during the 2022 season, 569 in Hamilton and 59 in Oshawa.**

**Hamilton had 9.8 million MT with Agri-food commodities continue to be the port's strongest growth sector, for the first time reaching 33 per cent of overall tonnage with more than a million MT of soybeans and 1.5 million MT of wheat and corn, in addition to receiving the most raw sugar ever in Hamilton, 85,000 MT,**

# **Twin Ports grain shipments hit lowest level in 133 years**

By [Jana Hollingsworth](#) Star Tribune JANUARY 27, 2023

**The Duluth-Superior shipping season finished with a 7.6% overall drop in tonnage from 2021 but general cargo tonnage made strong gains.**

**The amount of grain leaving the Duluth-Superior port this shipping season hit its lowest level since 1890, in a year that also ended with a decrease in coal and total tonnage.**

**Many reasons played into the decline in grain shipments, which were down 20.3% from 2021.**

**U.S. wheat exports have declined in recent years with Russia "dumping wheat on the world market" because of its war with Ukraine, said Randy Martinson, a market analyst with Martinson Ag Risk Management in Fargo.**

**And in a U.N.-brokered deal between Russia and Ukraine, wheat that had been accumulating in Ukraine is being shipped safely on the Black Sea.**

**U.S.-Flag Dry-Bulk Cargo Carriage on the Great Lakes**  
**2017-2022 and Long-Term Average**  
 (net tons)

<b>Commodity</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Average 2017-2021</b>
<b>Iron Ore</b>							
Direct Shipments	41,924,553	41,711,804	46,004,805	33,422,404	37,960,232	35,370,648	40,204,760
Transshipments	4,064,262	4,092,629	3,678,669	3,637,614	3,690,957	2,017,176	3,832,826
<b>Total - Iron Ore</b>	<b>45,988,815</b>	<b>45,804,433</b>	<b>49,683,474</b>	<b>37,060,018</b>	<b>41,651,189</b>	<b>37,387,824</b>	<b>44,037,586</b>
<b>Coal</b>							
Lake Superior	10,254,462	8,697,702	7,952,133	4,930,728	7,268,985	6,160,250	7,820,802
Lake Michigan	369,327	390,438	723,841	560,057	827,962	878,467	574,325
Lake Erie	2,708,708	2,728,192	2,642,972	1,764,650	2,255,738	2,262,121	2,420,052
<b>Total - Coal</b>	<b>13,332,497</b>	<b>11,816,332</b>	<b>11,318,946</b>	<b>7,255,435</b>	<b>10,352,685</b>	<b>9,300,838</b>	<b>10,815,179</b>
Limestone	21,553,131	21,961,050	24,086,722	20,694,823	24,141,410	23,704,683	22,487,427
Cement	3,182,636	2,933,346	3,288,509	3,441,467	3,612,012	3,748,705	3,291,594
Salt	1,067,836	460,577	923,476	866,354	1,162,396	1,230,538	896,128
Sand	375,638	493,128	413,040	411,165	500,055	653,695	438,605
Grain	237,331	259,745	289,728	314,849	366,154	356,503	293,561
<b>Totals</b>	<b>85,737,884</b>	<b>83,728,611</b>	<b>90,003,895</b>	<b>70,044,110</b>	<b>81,785,901</b>	<b>76,382,786</b>	<b>82,260,080</b>

About Lake Carriers' Association

Since 1880, Lake Carriers' has represented the U.S.-flag Great Lakes fleet, which today can move more than 90 million tons of cargos annually that are the foundation of American industry, infrastructure, and power: iron ore, stone, coal, cement, and other dry bulk materials such as grain, salt, and sand. More information is available at [www.lcaships.com](http://www.lcaships.com).

# Seaway News

February 06, 2023

## Notice of Proposed Revisions to Seaway Practices and Procedures to be Effective the 2023 Navigation Season

Under agreement with the U.S. Great Lakes St. Lawrence Seaway Development Corporation, The St. Lawrence Seaway Management Corporation is proposing to amend the joint Practices and Procedures (known as "regulations" within the GLS).

The text of the amended Practices and Procedures, highlighted in red, is provided for your review (click on the link below).

Any comments with respect to these proposed amendments should be directed to Mr. Jean Aubry-Morin, Vice President, External Relations, no later than March 10, 2023 at [jaubrymorin@seaway.ca](mailto:jaubrymorin@seaway.ca).

Notice of Proposed Revisions to Seaway Practices and Procedures to be Effective the 2023 Navigation Season (PDF document).

**Any comments with respect to the above must be submitted to Mr. Jean Aubry-Morin, Vice-President, External Relations, no later than **March 10, 2023** at [jaubrymorin@seaway.ca](mailto:jaubrymorin@seaway.ca) .**



# NOTICE OF PROPOSED REVISIONS TO SEAWAY PRACTICES AND PROCEDURES TO BE EFFECTIVE THE 2023 NAVIGATION SEASON

## Landing Booms



The St. Lawrence  
Seaway Management  
Corporation

Corporation de Gestion  
de la Voie Maritime  
du Saint-Laurent

8. (1) Ships of more than 50 m in overall length and a freeboard of 2m or more shall either be equipped with landing booms or make provisions for tie-up service at the approach walls.
- (d) Ship must have onboard for inspection the following documents:
- (i) A copy of the test certificates for each of the landing booms from either a classification society or a third party, dated within 5 years
  - (ii) Documents to demonstrate appropriate training;
  - (iii) Documented tests and maintenance records of landing boom equipment.

## **Communication - Ports, Docks and Anchorages**

65. (4) Every ship intending to conduct a dive operation at a dock, wharf or approach wall shall provide a 24-hour minimum notice of diving operations to the appropriate Seaway Traffic control Centre.

## **Hot Work Permission**

- 73 (2) Before any hot work, defined as any work that uses flame or that can produce a source of ignition, cutting or welding, is carried out by any ship on any designated St. Lawrence Seaway Management Corporation (SLSMC) Approach walls or wharfs, a written request must be sent to the SLSMC, preferably 24 hours prior to the ship's arrival on SLSMC Approach walls or wharfs. The hot work shall not commence until approval is obtained from a SLSMC Traffic Control Centre.

# **Media Advisory - Minister of Transport to make an important announcement on ballast water, which allows vessels to operate safely, in the Great Lakes and St. Lawrence River regions**

Tue, February 21, 2023 at 10:45 AM EST·1 min read

**WINDSOR, ON, Feb. 21, 2023 /CNW/ - The Minister of Transport, the Honourable Omar Alghabra, and the Parliamentary Secretary to the Minister of Employment, Workforce Development and Disability Inclusion and Member of Parliament for Windsor–Tecumseh, Irek Kusmierczyk, will make an important announcement on ballast water in the Great Lakes and St. Lawrence River regions.** The President and Chief Executive Officer of the Windsor Port Authority, Steve Salmons, and the President and Chief Executive Officer of Morterm Limited, Tony De Thomasis, will also be present.

They will be available to answer questions from the media following the announcement.

Date:

Wednesday, February 22, 2023

Time: 10:00 a.m. EST

Location: Morterm Limited

5353 Maplewood Drive

Windsor, ON

N9C 0B9

# Sailors enduring harsh winter on 3 tugboats detained in Quebec port



Two tugboats that have been detained by Transport Canada are shown in Trois-Rivières, Que. on Thursday, Feb. 2, 2023. Groups that advocate for seafarers are expressing concern for crew members who are spending a harsh Quebec winter aboard three tugboats that have been stuck in the port of Trois-Rivières for months.

THE CANADIAN PRESS/Morgan Lowrie

Detained in the port, halfway between Quebec City and Montreal, since October due to what Transport Canada describes as "non-compliance with various international maritime conventions," including labour regulations that ensure the crew's well-being.



# USCG Navigation Safety Risk Assessment - Belle Isle Anchorage

The Waterways Management Division is conducting a basic navigation safety/risk assessment for the Belle Isle anchorage area. We would greatly appreciate your participation by answering the below questions in as much detail as possible. All responses need to be submitted no later than Tuesday, February 28th, 2023, to [lauren.m.stewart@uscg.mil](mailto:lauren.m.stewart@uscg.mil). For transparency, once the data is collected and organized, CG Sector Detroit will openly share all findings. If you have any questions, please do not hesitate to reach out to me (see contact information below).

## **Belle Isle Anchorage**

### ***Location:***

**Is the location appropriate?**

**Does the current location cause risk of physical damage to any structures or vessels during routine use?**

**Does the location pose a risk to public safety due to factors such as allision, collision, damage due to environmental factors, hazardous material exposure, etc.?**

### ***Environmental:***

**Does the current location pose a threat to the marine environment due to potential or actual hazardous substance release, wake, etc.?**

**How will ice coverage affect the use of the anchorage?**

### ***Port Operations:***

**Does the anchorage disrupt port operations or impede vessel traffic?**

**Does the anchorage increase the risk of damage to structures on or adjacent to the waterway?**

Respectfully,

LCDR Lauren Stewart, Waterways Management, USCG Sector Detroit (313) 347-3007 [lauren.m.stewart@uscg.mil](mailto:lauren.m.stewart@uscg.mil)



## Artist's rendering of completed New Lock at the Soo project

[Image: USACE]

The Corps of Engineers contractor completed the first phase of construction, the upstream channel deepening was completed in August. The project's second phase to stabilize the existing upstream approach walls wrapped up the second year of construction. The contractor installed 26 coffer cells, completing all 52 and placed 31,000 cubic yards of concrete. The upstream approach walls work will resume in Spring 2023. (Marine Log)

# **Port of Toronto Moves Record 2.3 Million Metric Tonnes of Cargo in 2022**

Toronto (February 21, 2023)

*The Port of Toronto moved more than 2.3 million metric tonnes of cargo in 2022, its highest recorded cargo levels in 18 years, and welcomed a record 41 cruise ships and more than 12,000 visitors to its Cruise Ship Terminal.*

**This record year in marine imports and cruise ship activity highlights the important role the port plays in Toronto's economic infrastructure for both tourism and trade.**

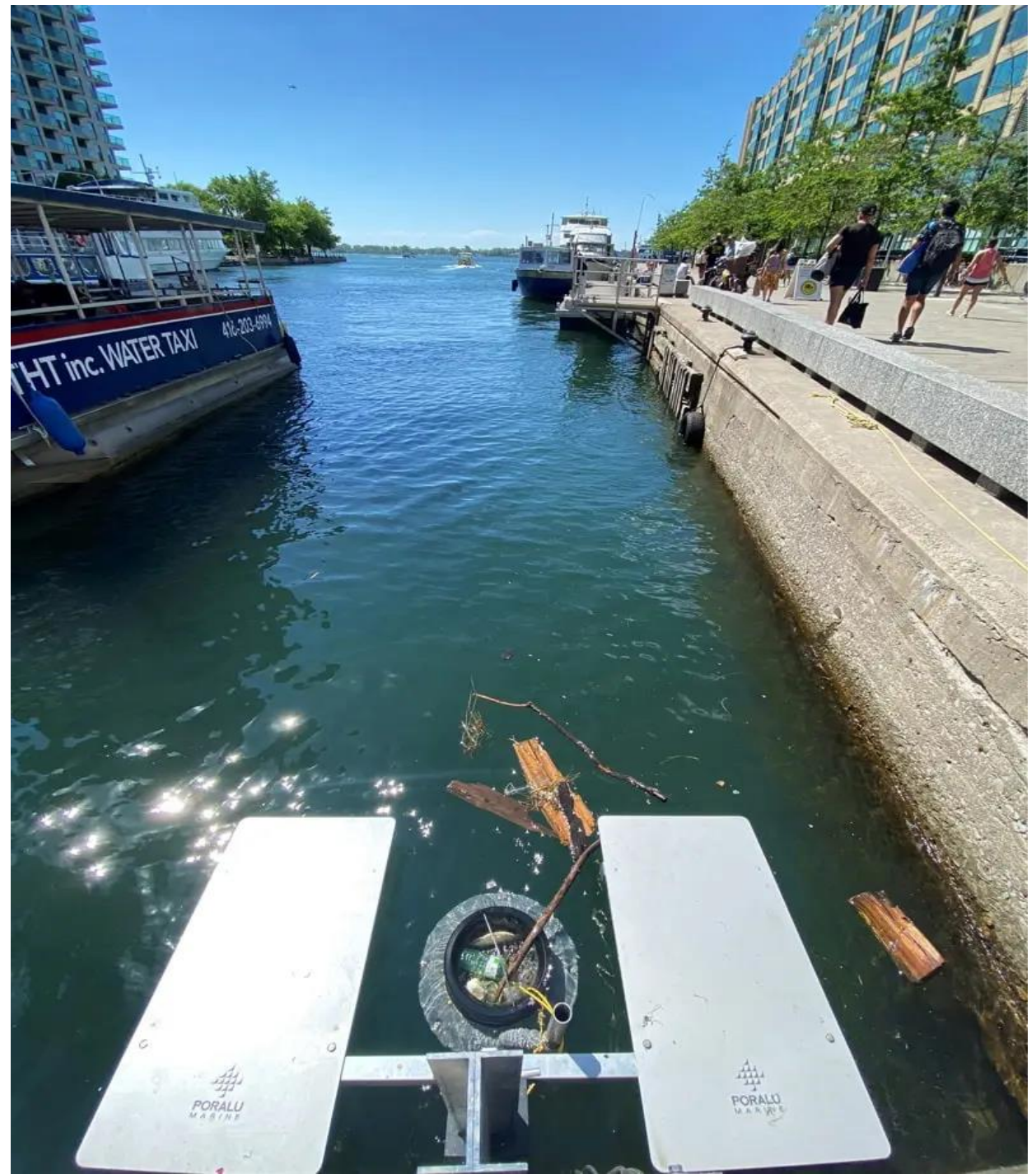
**The number of cargo ships visiting the Port of Toronto remained consistent in 2022, with 191 ships visiting the Port of Toronto and delivering a range of bulk, project and general cargo products totaling 2,346,724 metric tonnes – an 18-year high.**

**In addition to importing 547,000 metric tonnes of sugar from Central and South America to support Toronto's food and beverage industry, the port moved more than 750,000 metric tonnes of salt – a 29 per cent increase over 2021. With construction in Canada's largest city showing no signs of slowing down, the port moved 717,855 metric tonnes of cement, 106,533 metric tonnes of aggregate, and nearly 160,000 metric tonnes of steel products, including coil, pipe, and rebar, which transited through the port to construction sites throughout the Greater Toronto Area.**



**Seabins in Toronto Harbour  
remove nearly 100,000 pieces of  
plastic pollution in 2022**

**PortsToronto and the University  
of Toronto Trash Team's 2022  
Trash Trapping Program saw the  
program's network of 10 Seabins  
divert 92,891 small pieces of  
plastic pollution from the  
Toronto Harbour over the course  
of four months.**



# **CMAC Secretariat / Secrétariat du CCMC <cmac-ccmc@tc.gc.ca>**

The **Canadian Coast Guard** is pleased to announce the second annual installment of its **Industry Day on Maritime Cybersecurity**. This event will be held in Ottawa, Ontario on March 09, 2023. For those unable to attend in person, an online Zoom link will be provided when available.

Please see the link below for registration, venue, and accommodations. The agenda will be released closer to the event date.

<https://www.eventbrite.com/e/coast-guards-industry-day-on-maritime-cybersecurity-from-ship-to-shore-tickets-513233604527>

Industry Day will feature three panels that include speakers from industry, academia and government to discuss maritime cyber risk and how to ensure the cyber resiliency of the maritime sector. Please feel free to share this email with members from your organization interested in maritime cybersecurity.

# **Equivalency regarding Royal Canadian Navy competencies and Certificates of Competency and/or Certificates of Proficiency from Transport Canada - SSB No.: 01/2023**

## **Deck certification**

**Marine Emergency Duties (MED) with Respect to Standard for Training Certification and Watchkeeping (STCW) Basic Safety Training Certificate;**  
**MED with Respect to STCW Basic Safety Refresher Training Certificate;**  
**MED with Respect to Advanced Firefighting Training Certificate; and,**  
**MED with Respect to Advanced Firefighting Refresher Training Certificate**  
**Bridge Watch Rating (BWR) Training Certificate with the credit for steering testimonial.**

## **Engineering certification**

**Engine-room Rating CoC under the MPR,**  
**Fourth-class Engineer, Motor Ship or Steamship CoC under the MPR.**

*Please note: other certificate qualifications are currently under review with respect to engineering and nautical certificates.*

## **Ship's cook certificate**

**Ship Safety  
Bulletin**

**SSB**





**Scrapping of  
Ojibway at Port  
Colborne, ON, is  
(literally)  
nearing its  
head.**

Bobby Dzz image, January  
28





**A look at the structural makeup of the cargo hold.**

Bobby Dzz image, January 28





**10 days later....**

Bobby Dzz image, February 7





**Tired S.T. Crapo is next in line for the torch.**

Bobby Dzz image, January 28



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Luedtke Engineering, a marine construction company based in Frankfort, is beginning the process of closing its doors after over 92 years in business.

Colin Merry/Record Patriot

**Frankfort, MI – Luedtke Engineering is in the process of closing. Luedtke said the company will still be in business for a “couple of years.” Luedtke is a family-owned marine construction company started in 1930 and has a fleet of eight tugboats and 20 barges.**

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**Grayfox sea  
cadet training  
vessel sold to  
Sault Ste. Marie  
firm**

**Port Huron, MI –  
On Sept. 7, 2022,  
the NSCS Grayfox  
(TWR 825) was  
to MCM Marine  
Inc. of Sault Ste.  
Marie, MI, which  
operates a  
floating drydock  
and a small fleet  
of tugs and  
barges. It is  
active in the new  
Soo Lock project.**







# **In Memoriam**

## **Douglas McCormick McKeil**

**Doug worked at Standard Engines to achieve his diesel mechanic license...Doug then used his remarkable skills and knowledge to refit, modify, and build tug boats, barges, and other marine equipment at his brother's growing business, Evans McKeil Work Boats (now McKeil Marine).**

**Doug was born in Pugwash, Nova Scotia, on September 12, 1931 – January 21, 2023.**

# In Memoriam



## **Capt. Clifford Parfett**

**July 9, 1932 – February 10, 2023**

**Born in London, England in 1932. He was the youngest of four children. He went to sea at the age of 14 and rose to the level of captain in the merchant navy.**

**After marrying the late Anne Wilson, he immigrated to Canada in 1958. They settled in Montreal and Cliff built a business as a marine surveyor. He ran that business for over 50 years**

**Capt. Parfett and his marine and cargo knowledge were valuable resources in the development of Coal and DRI cargo carriage standards for the Great Lakes and our input at IMO Bulk Carrier Safety**



## **Amherst Island Ferry Update**

**Loyalist Township, in partnership with The Ministry of Transportation (MTO) outlines the current plan that will allow the new state-of-the-art Amherst Islander II to begin service in spring 2023.**

**In the coming weeks, staff will begin training in accordance with Transport Canada regulations. Testing will also be conducted to ensure the vessel is ready to be put into service.**

**To maintain consistent service for the travelling public, regular operation of the Frontenac II will continue.**





**Highlights to guests attending the Hamilton-Halton Construction Association's Construction Forecast included a Hamilton Harbour Maintenance Dredging project, a rehabilitation job of Pier 14 Wharf and construction of a Pier 15 Steel Transload Facility.**

## **HOPA outlines long list of Hamilton port projects for 2023**

Don Wall January 27, 2023

# Great Lakes fleets thrown overboard by new global maritime emissions standards

*New rules ignore realities of inland shipping, leaving industry to develop alternate strategies*

Author of the article: [Julius Melnitzer](#) Financial Post

**...the International Maritime Organization, the United Nations agency responsible for regulating shipping, has paid scant attention to the needs of inland and coastal shipping when it comes to new decarbonization rules, focusing instead on the global ocean trade. As a result, most lakers will have difficulty meeting the IMO's new standards, the first of which came into force on Nov. 1.**

**While the transportation industry comprises about 30 per cent of Canada's GHG emissions, road, rail and air transport make up the bulk. The marine industry accounts for only two per cent and lakers for only 0.59 per cent.**

**Canada's flag-fleet can on average carry one tonne of cargo for 360 kilometres on one litre of fuel. Railroads' GHG emissions would be 31 per cent higher for the same cargo over the same distance, while trucks would emit 558 per cent more.**

# Great Lakes fleets thrown overboard by new global maritime emissions standards (con't)

The **IMO's key carbon intensity rating**, for example, **links GHG emissions from vessels to the amount of cargo carried and the distance a vessel travels**. The heavier the cargo and the greater the distance, the more beneficial the effect on a ship's rating. **Lakers, compared to ocean-going ships, make shorter trips** — one to seven days for CSL — and tend to be smaller and lighter, so much so that a vessel more than 740 feet long cannot navigate the Seaway. Lakers also spend significantly more time in fuel-consuming manoeuvring mode.

Individual nations can make their own rules with regard to domestic trade, rules that don't have to stick to the letter of the IMO rules," Nathalie Sykora said (CSL Director of Global Operations). "So the industry has been working with the feds to provide a framework for energy efficiency that actually works for us."



# Great Lakes fleets thrown overboard by new global maritime emissions standards (con't)

Included in that framework is **a proposal by the Chamber of Marine Commerce and other stakeholders such as ports and waterways that the federal government establish a green transportation corridor in the Great Lakes-St. Lawrence region as part of the inland shipping industry's efforts to reduce emissions to net zero by 2050.**

The corridor would focus on a combination of energy-efficient ships, alternative fuels and other infrastructure improvements to accelerate the decarbonization process.

More to come!



## **Algoma Central tanker Algonorth sold**

**The Algoma Central  
Corp. tanker  
Algonorth has been  
sold to Furetank and  
on her way to  
Kalundborg, Denmark  
for drydocking,  
reflagging and given a  
new name.**

**Algonorth was built in  
2008 at Tuzla  
Shipbuilding in Turkey  
as Ramira. Algoma  
Central Corp.  
purchased her in  
2019.**





**Algoma's former tanker Algonorth, now painted blue and renamed Fure Skagen.**

Furetank image

**Furetank and Algoma Central Corporation extend joint venture through tanker acquisition with Larsson Shipping**

**Furetank/Algoma joint venture FureBear, together with Larsson Shipping, takes over the ownership of Algoma's product tanker Algonorth. It has arrived from Canada to trade in Northern Europe under the new name Fure Skagen.**

# **Build Great Lakes icebreaker in a decade? Port, industry leaders demand it sooner**

Detroit News Website

**Advocates for adding another heavy icebreaker on the Great Lakes celebrated last month when Congress authorized \$350 million for such a vessel but are now chafing at the U.S. Coast Guard's timeline for delivering it: 10 years after funding is received.**

**The Great Lakes maritime industry and its allies have lobbied for years to expand the Coast Guard's icebreaking fleet on the lakes by adding a second icebreaker capable of breaking up heavy ice.**

**They argue the current fleet of U.S. icebreakers — the 240-foot cutter Mackinaw, six icebreaking Bay-class tugboats and two buoy tenders — isn't enough during a harsh winter to keep shipping lanes clear of ice and respond to coastal flooding. The Canadian Coast Guard helps but has even fewer icebreakers.**



# **Algoma Steel shares construction update on electric arc furnace**

**The most expensive project in Sault Ste. Marie's history is so far on budget and on time, according to Algoma Steel officials.**

**The \$703-million project will feature a pair of electric arc furnaces (EAF) that will replace the plant's existing blast furnace, coke oven batteries, and basic oxygen steelmaking operations.**

**The furnaces are expected to come online in 2024, and ultimately, the transformation aims to reduce Algoma's greenhouse emissions by up to 70 per cent when construction efforts reach the final stages in 2029.**

**In addition to the two electric arc furnaces, the new steelmaking facility will include a power sub-station, water treatment plant, two dedicated baghouses, and a vacuum degasser.**

**The project is also expected to generate 500 new construction jobs for the community.**



**GREEN MARINE**

**15th  
ANNIVERSARY**

**2023**



# EVOLUTION THROUGH TECHNOLOGY AND TALENT

APRIL 18-20 • 2023 | VANCOUVER, BC  
VANCOUVER CONVENTION CENTRE, EAST BUILDING

## Mari-Tech 2023 Conference and Exhibition

HOSTED BY:  
CIMarE - VANCOUVER BRANCH





# **30<sup>TH</sup> ANNUAL MARINERS SERVICE AND BLESSING OF THE GREAT LAKES FLEET**



THE INTERNATIONAL SHIPMASTER'S ASSOCIATION IS  
PRESENTING THE ANNUAL MARINERS' SERVICE WHICH AS  
A LOCAL MARINE TRADITION DATES TO THE MID 1800'S.

**ALL GEORGIAN COLLEGE DECK AND ENGINEER CADETS,  
MARINERS, FAMILIES AND FRIENDS FROM ALL PARTS OF THE  
INDUSTRY, CAPTAINS, PILOTS, NAVY, COAST GUARD,  
TUG FLEET CREWS, SAILORS, YACHT CLUBS, MARINE FIRE,  
HISTORIANS, ARE INVITED TO ATTEND.  
FOOD AND HOSPITALITY TO FOLLOW AFTER THE SERVICE.**



- THE 30TH ANNUAL MARINERS SERVICE AND BLESSING OF THE GREAT LAKES FLEET will be hosted at St. George's Anglican Church. Sun, Feb. 26, 2023, 10:00 am.



# MARCH 1<sup>ST</sup> , 2023    MARINE SPEAKERS' DAY GEORGIAN COLLEGE

- **0830-1600 FOR THE GEORGIAN CADETS**
- **ENGINEERING PRESENTERS**
- **NAVIGATION PRESENTERS**
- **SOME AWARDS WILL BE HANDED OUT**
- **SPONSORED BY: ISMA, COMPANY OF MASTER MARINERS, MARINE CLUB, CANADIAN INSTITUTE OF MARINE ENGINEERING**
- **COFFEE SNACKS LUNCH**
- **WE ARE LOOKING FOR STUDENT VOLOUNTEERS**



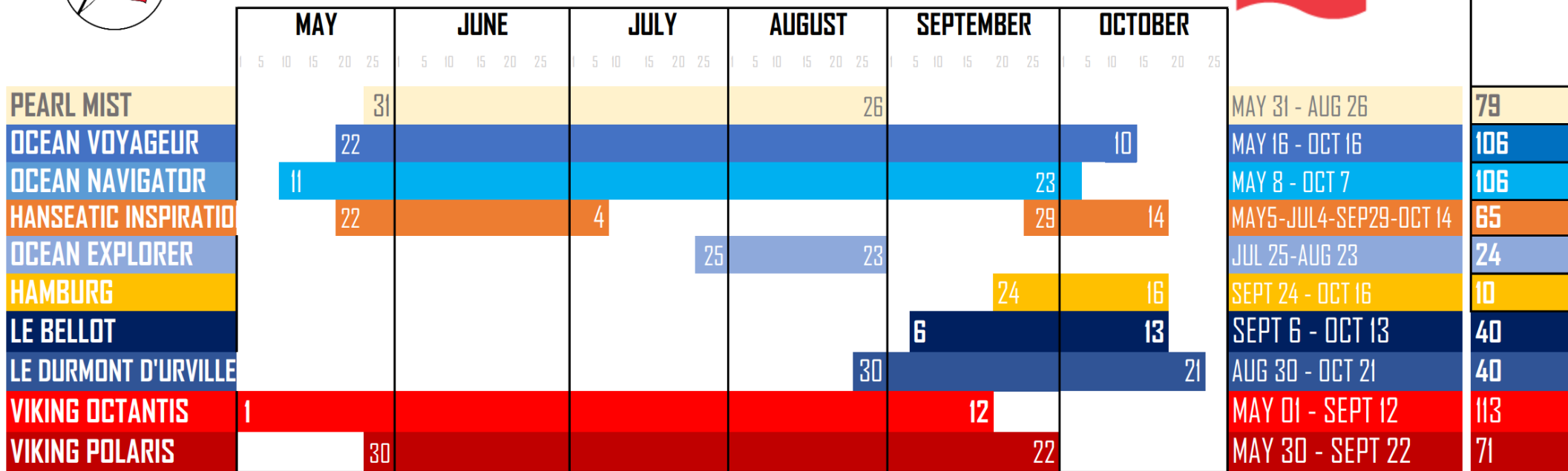




# DISTRICT 3 CRUISE SHIP SCHEDULE 2023



TOTAL JOBS



2023 TOTAL DISPATCHES 654

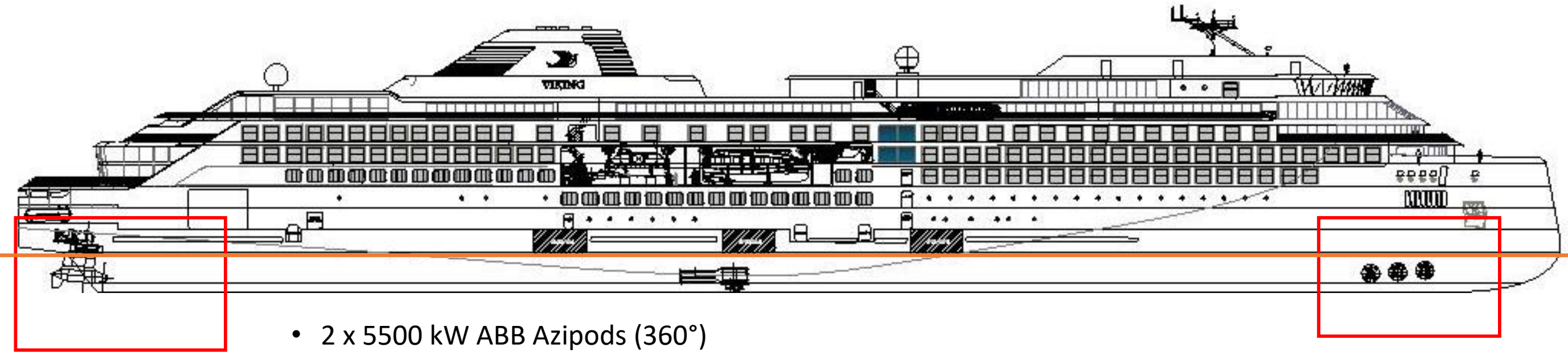
## 2023 ARRIVAL DATES TO PORT WELLER UPBOUND

- APRIL 26 VIKING OCTANTIS
- MAY 14 VIKING POLARIS
- MAY 7 OCEAN NAVIGATOR - VICTORY 2 - RENAMED
- MAY 18 OCEAN VOYAGER - VICTORY 1 - RENAMED
- JULY 4 OCEAN EXPLORER
- MAY 28 PEARL MIST
- AUG 28 LE DUMONT D'URVILLE
- SEPT 4 LE BELLOT
- SEPT 21 HAMBURG

# 2023 CRUISE SHIP SEASON

- 2 New Cruise Ships coming to Great Lakes
  - **VIKING POLARIS** and **HANSEATIC INSPIRATION**





- 2 x 5500 kW ABB Azipods (360°)
- 3 x 1500 kw Bow Thrusters (30 knots cross wind)
- State of the Art navigation Systems (Laser Gyro , Ice Radars, External CCTV, ...)
- Dynamic Positioning and Docking capabilities (DP 0 Notation)





- NEW FOR 2023: 15 DAY TRIP – NEW PORTS: CLEVELAND, ALGOMA [Door Peninsula], SOO [Newly Rebuilt Carbide Dock]
- This trip will be added to the regular itinerary for the VIKING POLARIS in 2023.



# PARRY SOUND 2023

32 SHIP VISITS IN 2023

ALMOST 10,000 VISITORS



PEARL MIST



HANSEATIC INSPIRATION



OCEAN EXPLORER



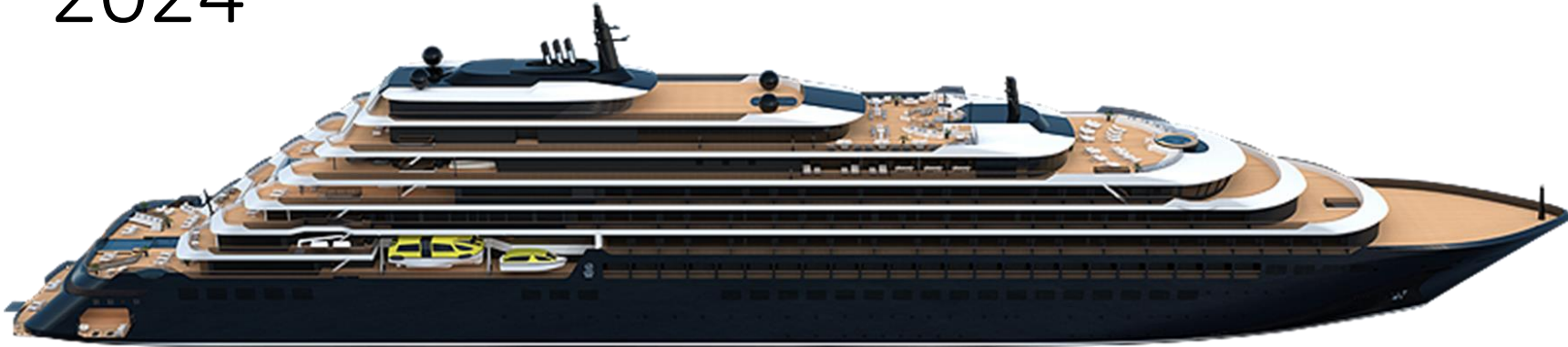
LE BELLOT



LE DUMONT D'URVILLE



# RITZ-CARLTON CRUISES – M.V. EVRIMA POSSIBLE IN 2024

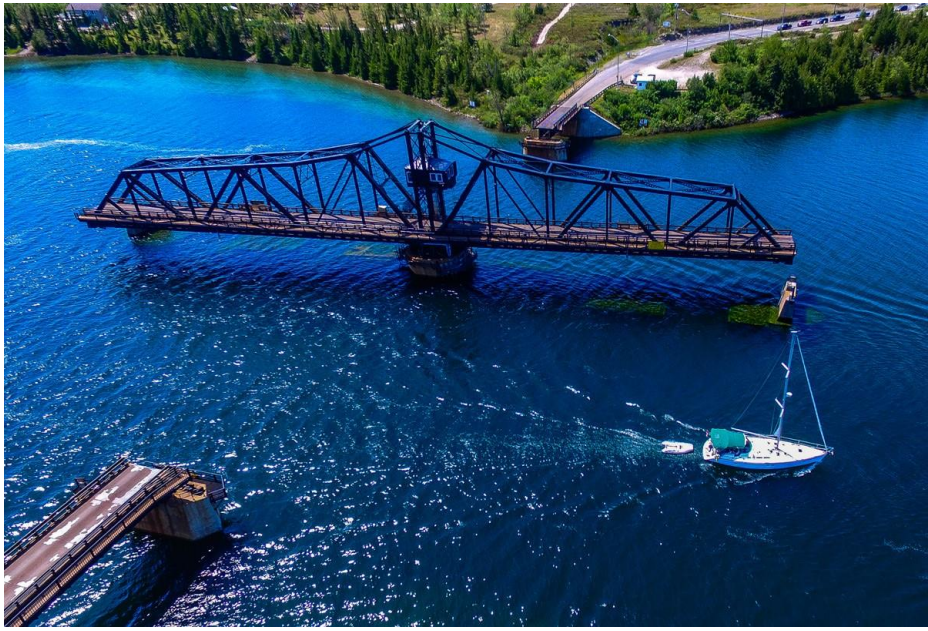


## EMERALD AZZURRA

- NEWBUILD 2022 - AWAITING APPROVAL FROM ST. LAWRENCE SEAWAY – LIFEBOATS PROTRUDE BEYOND HULL & MUST BE BROUGHT INBOARD. POSSIBLE ARRIVAL IN 2024-2025







**NOTICE OF STUDY COMPLETION  
PLANNING, PRELIMINARY DESIGN AND CLASS ENVIRONMENTAL ASSESSMENT  
Highway 6 Little Current Swing Bridge Study, GWP 5268-14-00**



# SS KEEWATIN UPDATE



- SHIP WILL BE MOVED TO KINGSTON MARINE MUSEUM
- SIGNIFICANT AMOUNT OF FUNDING TO REFIT HER & PUT HER IN DRYDOCK.
- A NEW SHIP WILL BE BROUGHT TO PORT McNICOL TO REPLACE HER







**Port Colborne resident Jeff Dwor returns purchase of MS Norgoma back to City of Sault Ste. Marie – future remains unknown at lay up berth at Algoma Steel, Soo.**

Where	When
Thunder Bay	10/06-10/08
Owen Sound	10/11-10/13
Midland	10/14-10/16
Sept-Iles	10/15-10/17
Sarnia	10/18-10/20
Saguenay/La Baie	10/19-10/23
Windsor	10/21-10/23
Trois Rivières	10/25-10/28
Hamilton	10/26-10/28
Toronto	10/29-10/30
Montreal	10/29-11/02
Quebec City	11/04-11/07
Kingston	11/04-11/07
Cornwall	11/08-11/09
Rimouski	11/09-11/12
Charlottetown	11/14-11/16
Sydney	11/14-11/16

**The CMCF had a briefing with the Navy and the Canadian Coast Guard on a planned Maritime Careers Job Fair for this coming autumn. (2023)**

**To make this a much bigger event – CMCF would like to brand it as a Maritime Careers Fair (actual name still to be determined) – also incorporating the wider marine sector careers in partnership with CMCF and the Canadian Coast Guard). Local high school students will be invited to visit in each location along with people from the community – a joint communications & outreach strategy will be developed in the coming months to make sure we get a great turnout. But Navy vessels have tended to get great showings in their past outreach events.**

CANADIAN  
MARINE  
CAREERS  
FOUNDATION

FONDATION  
DES CARRIÈRES  
MARITIMES  
CANADIENNES







**Marine Club  
/ CIMARE /  
ISMA /  
CMMC  
hosted  
Georgian  
College  
Cadets Tour  
@ Heddle  
Shipyards  
and CSL  
Vessels Port  
Weller**

**11 Feb 2023**







**Salute to Oliver  
Hiltebrand,  
CIME...for  
organizing and  
co-ordinating  
sponsorships  
with Marine  
Club, CIME,  
ISMA Lodge 15  
and CMMC**

**Salute to  
Hedde  
DryDock and  
CSL for hosting**





**Georgian College Navigation Cadets on bridge tour onboard CSL St. Laurent**

# ALGOMA CENTRAL CORPORATION AND THE CSL GROUP ORDER A NEW GENERATION OF KAMSARMAX-BASED OCEAN BELTSELF-UNLOADING SHIPS

St. Catharines, Ontario, Canada and Middleton, Massachusetts, USA (February 17, 2023)

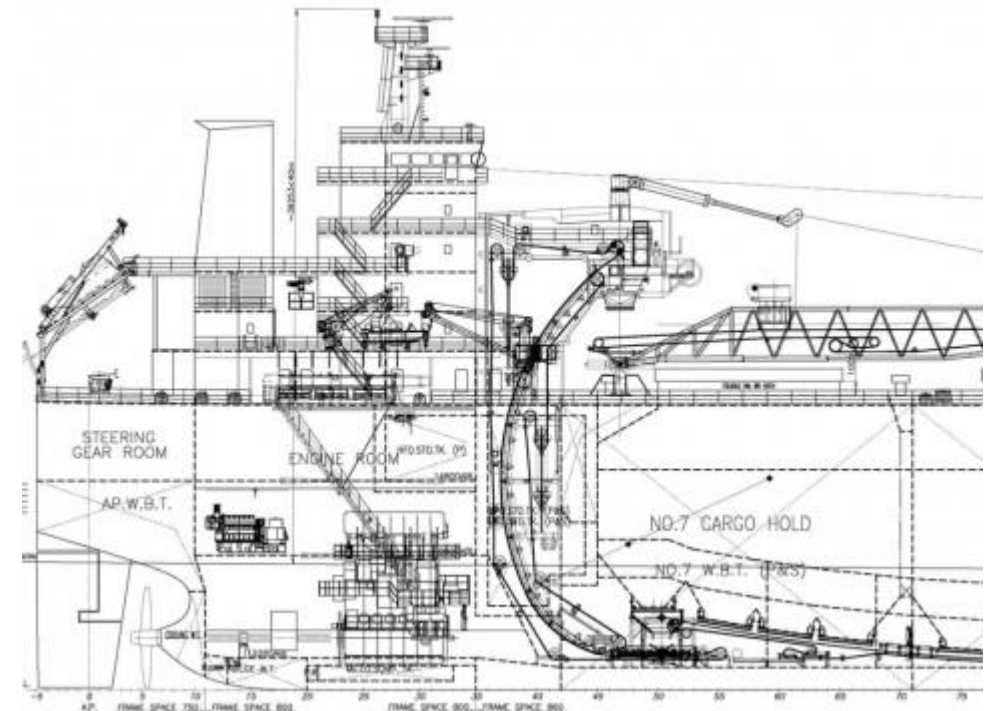
Algoma Central Corporation (“Algoma”) (TSX:ALC) and The CSL Group (“CSL”), who together form the CSL International Pool (“the Pool”), today announced a newbuild order with Jiangsu Yangzi-Mitsui Shipbuilding Co., Ltd. (“YAMIC or “the Shipyard”), to construct four new methanol-ready Kamsarmax-based ocean belt self-unloading vessels.

Two of the four jointly designed, 72,250 DWT newbuild ships have been ordered by Algoma and the two others by CSL. The commercial partners have an option to build an additional two vessels.

The new vessel order will replace the three oldest ships in the Pool and see its fleet size increase to 19. The first vessel delivery is scheduled for July 2025, beginning with an Algoma ship. The subsequent deliveries are expected every three months.

## New Vessel Highlights

- Designed based on fourth generation Kamsarmax hull form with a cargo capacity of 72,250 metric tonnes
- Equipped with methanol-ready engines
- Exceeds EEDI Level III requirements and includes Tier 3 engines
- Capable of unloading at a rate of 5,000 MT per hour







**NACC Argonaut is looking spiffy after getting some TLC in Portugal.**

Bruce Dobbin image, February 11

**Feb. 26, 2023 - Annual Mariners Service/Blessing of the Fleet - St. George's Anglican Church, Owen Sound**

**March 2, 2023 - Chicago Maritime Industry Day**

**March 12, 2023 - Blessing of the Fleet, Mariners' Church, Detroit**

**March 22, 2023 - World Water Day**

**March 23, 2023 - World Meteorological Day**

**March 25, 2023 - Soo Locks Open**

**April 24, 2023 - MacArthur Lock at the Soo re-opens**

**May 18, 2023 - IMO International Day for Women in Maritime**

**May 22, 2023 - National Maritime Day - United States**

**June 8, 2023 - World Oceans Day**

**June 15, 2023 - Global Wind Day**

**June 21, 2023 - World Hydrography Day**

**June 25, 2023 - Soo Locks Engineer's Day**

**June 25, 2023 - International Day of the Seafarer**





## **The Great Lakes - St. Lawrence Seaway System** ***Le réseau Grands Lacs - Voie maritime du Saint-Laurent***

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### SEAWAY NOTICE NO. 1 - 2023

#### Opening Date of the 2023 Navigation Season and Maximum Allowable Drafts

The opening date for the 2023 navigation season is scheduled to take place on the following dates and time:

- Montreal / Lake Ontario Section: March 22, 2023 - 0800 hours (D.S.T.)
- Welland Canal: March 22, 2023 - 0800 hours (D.S.T.)

Ship transits will be subject to weather and ice conditions. Restrictions may apply in some areas until lighted navigation aids have been installed.

#### **Sault Ste. Marie Locks and Canals**

Opening of the Sault Ste. Marie Locks (U.S.A.) is currently scheduled for March 25, 2023. Please note the Notice to Navigation Interests released by the U.S. Army Corps of Engineers for further information.

# 5 fast facts about the lack of ice on Lake Superior this year

Paul Huttner and Ngoc Bui February 2, 2023 3:38 PM



**Lake Superior in Duluth ahead of a blizzard on Dec. 21.**

Courtesy of Christopher Paris

- 1. Trending lower:** Historically at this time of year, Lake Superior has an average of 23 percent ice cover. Right now, the ice cover is estimated at just 8 percent.
- 2. Forecast:** It's likely to be a low ice year due to the unusually warm November and December months.
- 3. Air Temperature:** Ice cover is strongly dependent on the average air temperature over the course of winter.
- 4. Small changes, big effects:** Small differences in air temperature can lead to large differences in the ice response.
- 5. Cultural and ecological impacts:** A lack of ice cover has effects on tourism, shipping, and coastal refuge for fish species.



# GREAT LAKES SURFACE ENVIRONMENTAL ANALYSIS (GLSEA)



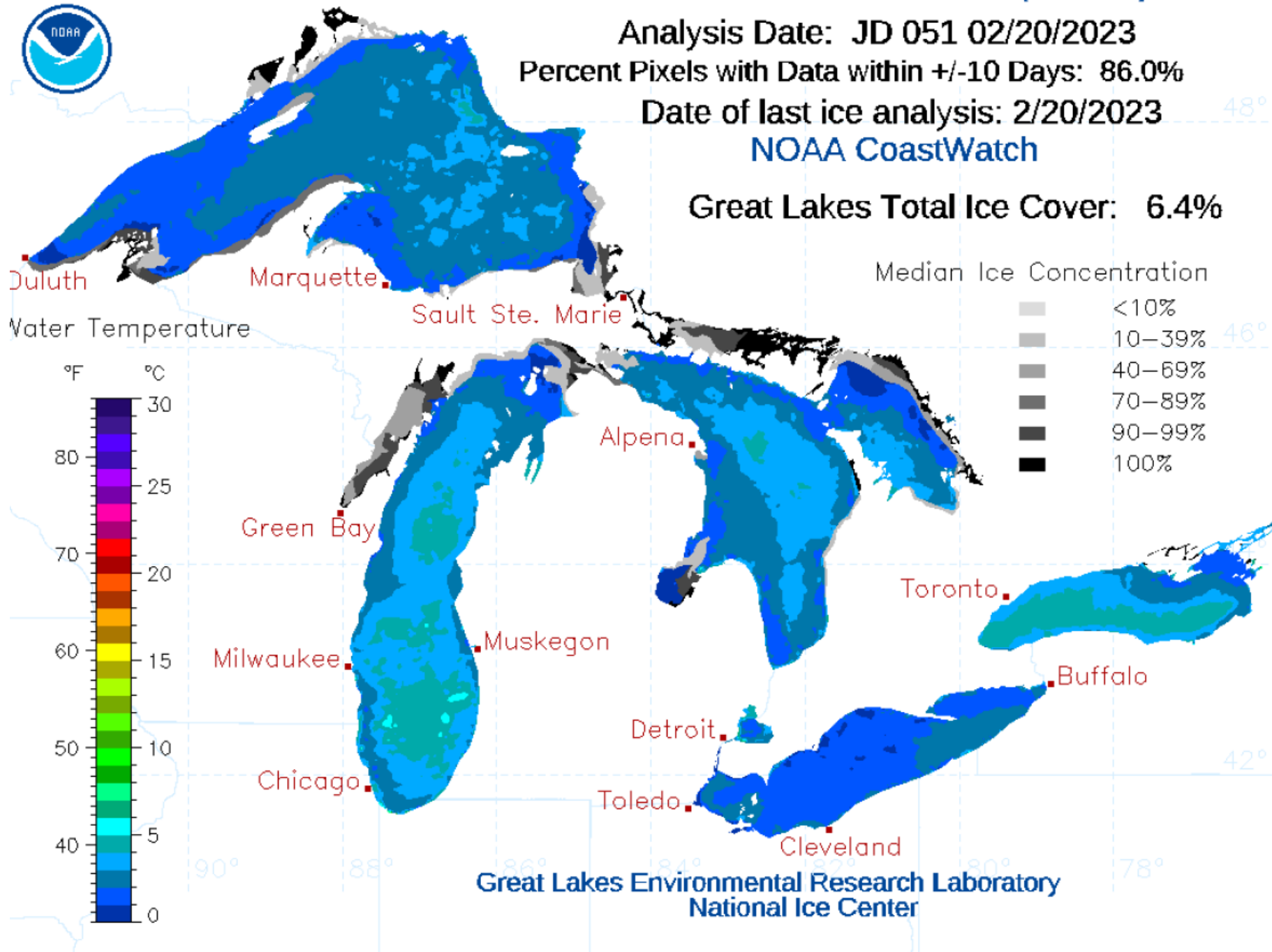
Analysis Date: JD 051 02/20/2023

Percent Pixels with Data within +/-10 Days: 86.0%

Date of last ice analysis: 2/20/2023

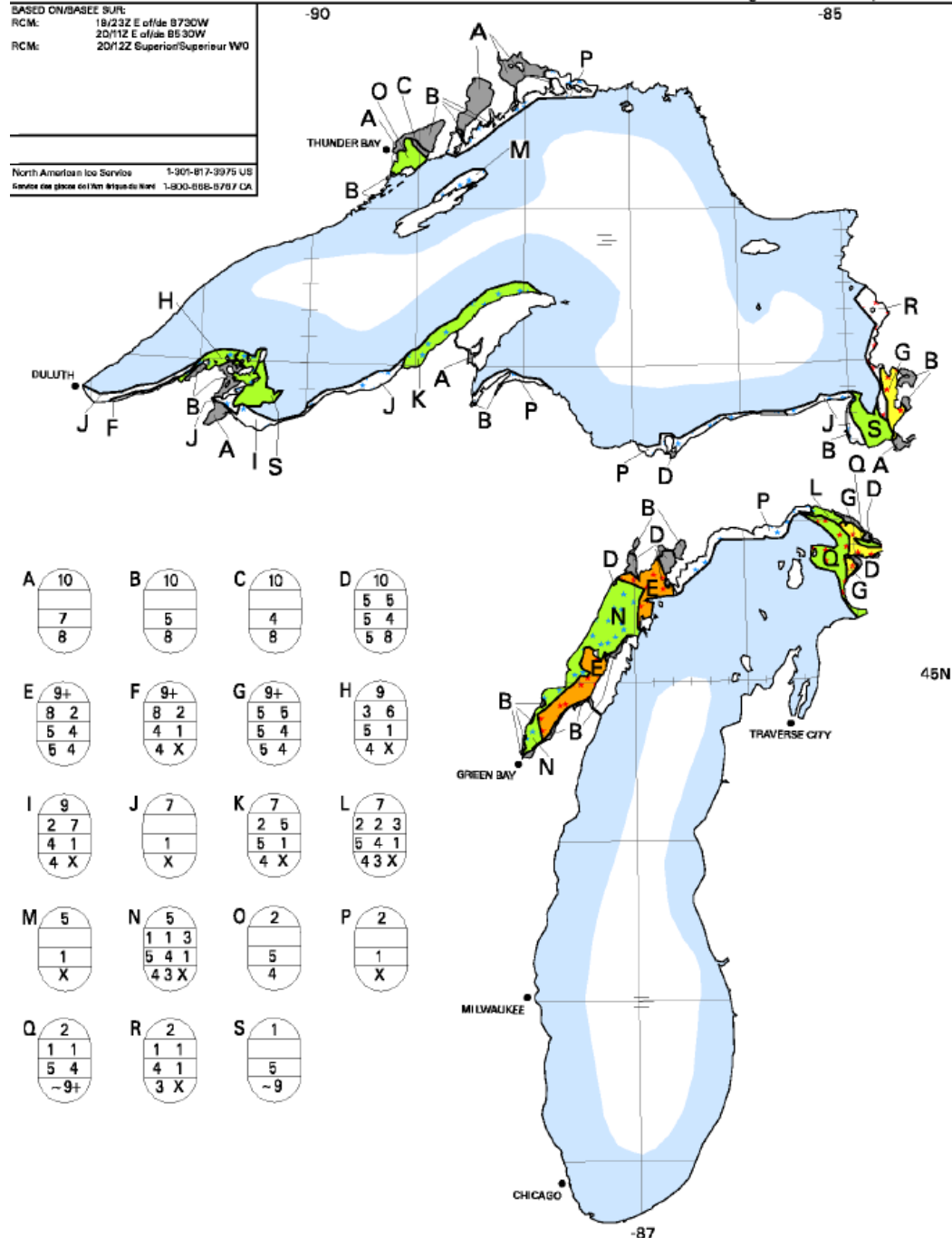
NOAA CoastWatch

Great Lakes Total Ice Cover: 6.4%



BASED ON/BASÉE SUR:  
 RCM: 19/23Z E of/de 87°30W  
 20/11Z E of/de 85°30W  
 RCM: 20/12Z Superior/Supérieur W0

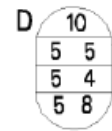
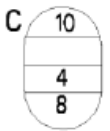
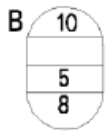
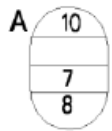
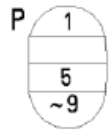
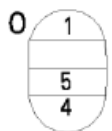
North American Ice Service 1-800-817-3975 US  
 Service des glaces de l'Amérique du Nord 1-800-888-5787 CA



A	10 7 8	B	10 5 8	C	10 4 8	D	10 5 6 5 4 5 8
E	9+ 8 2 5 4 6 4	F	9+ 8 2 4 1 4 X	G	9+ 5 5 5 4 5 4	H	9 3 6 5 1 4 X
I	9 2 7 4 1 4 X	J	7 1 X	K	7 2 5 5 1 4 X	L	7 2 2 3 5 4 1 4 3 X
M	5 1 X	N	5 1 1 3 5 4 1 4 3 X	O	2 5 4	P	2 1 X
Q	2 1 1 5 4 -9+	R	2 1 1 4 1 3 X	S	1 5 -9		

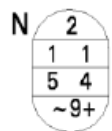
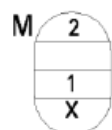
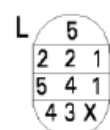
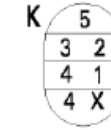
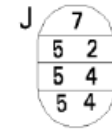
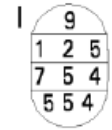
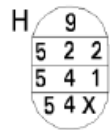
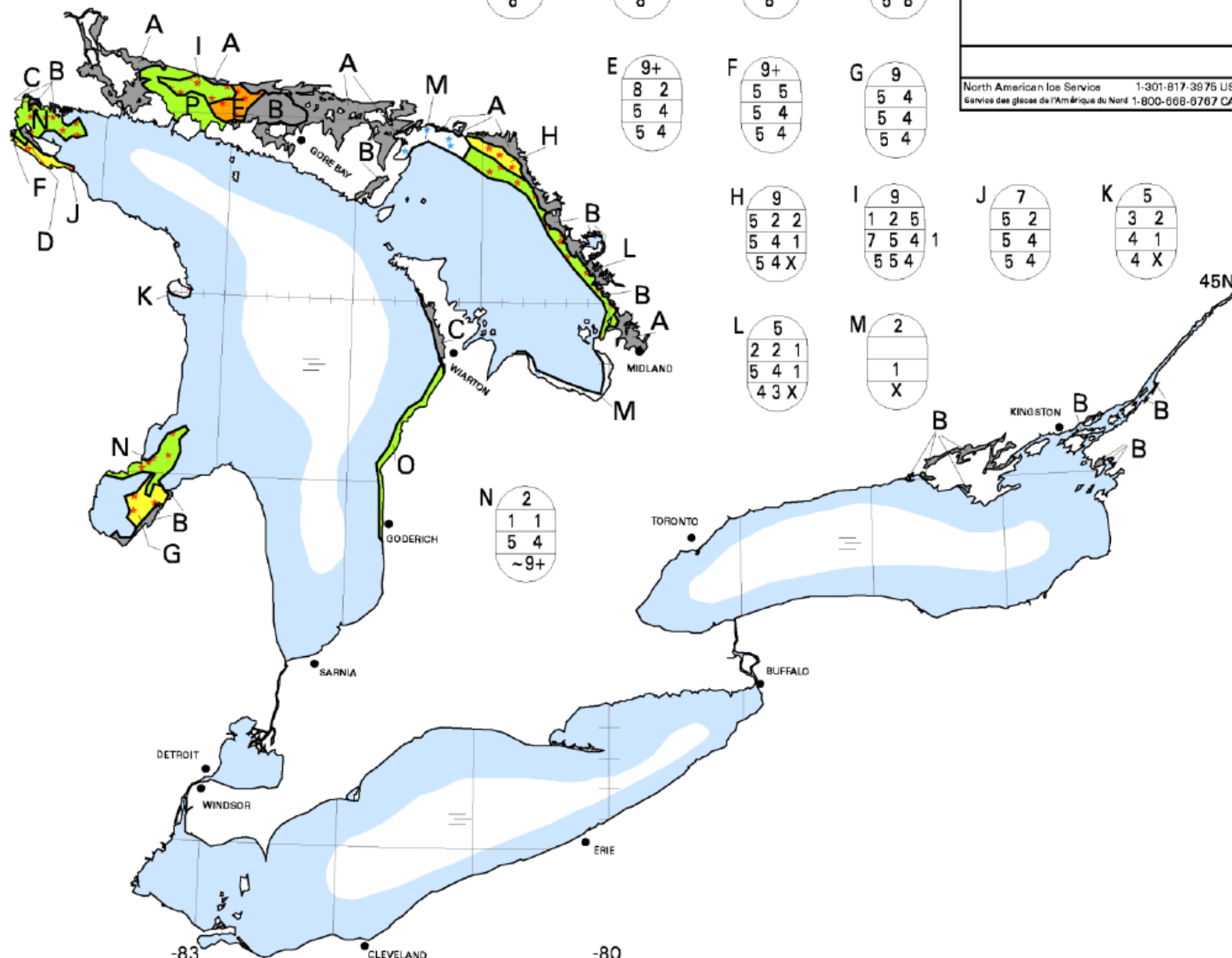
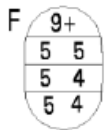
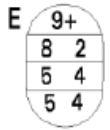


-83



BASED ON/BASÉ SUR:  
RCM: 19/23Z W of/ouest de 8230W  
20/11Z W of/ouest de 81W  
RCM: 20/11Z Ontario E

North American Ice Service 1-301-817-3975 US  
Service des glaces de l'Amérique du Nord 1-800-668-0767 CA



-83

CLEVELAND

-80

# Great Lakes Ice Cover - February 13, 2023

Great Lakes Combined

Current: 8%

1973-2022 Avg: 41%



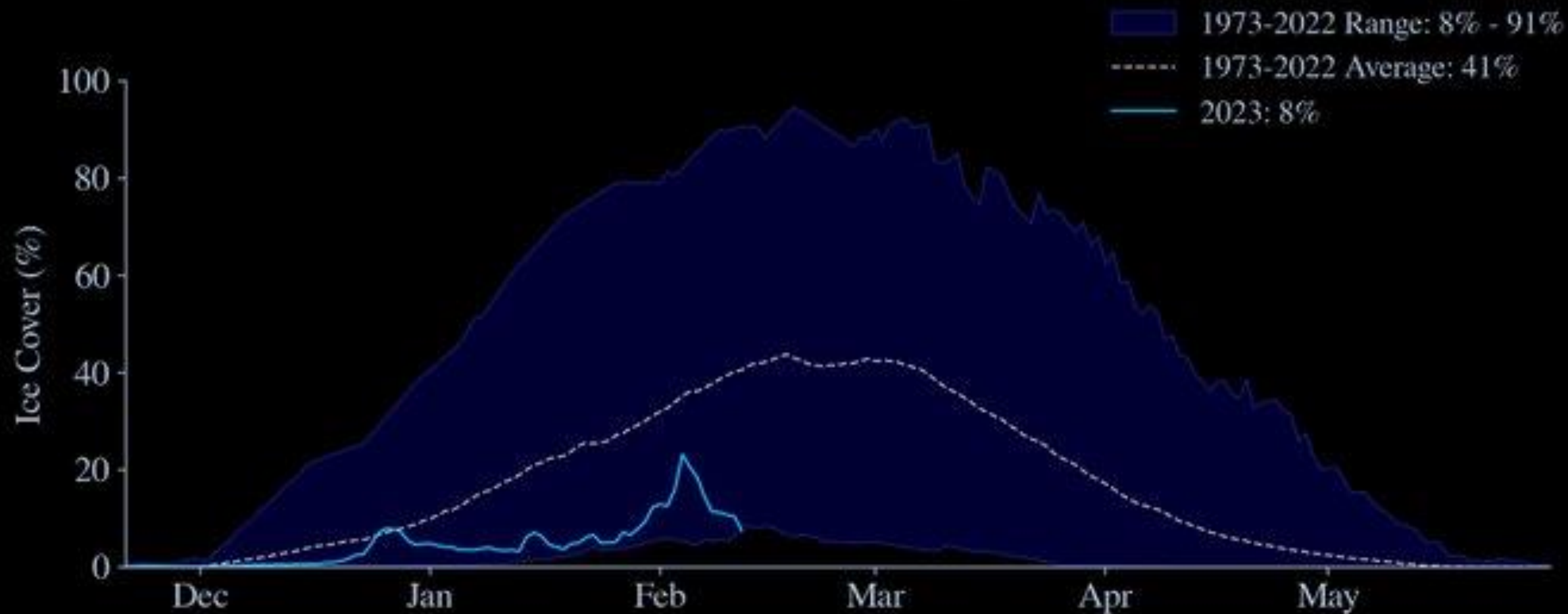
Ice data reprocessed from the NOAA Great Lakes Ice Atlas (1973-2002) and the North American Ice Service Great Lakes Ice Charts (2003-2023)

<https://glicetracker.github.io>



# Great Lakes Ice Progress

February 12, 2023



Ice data reprocessed from the NOAA Great Lakes Ice Atlas (1973-2002) and the North American Ice Service Great Lakes Ice Charts (2003-2023)

Great Lakes Ice Tracker ([glicetracker.github.io](https://glicetracker.github.io))



**Fleetmates Hon.  
James L.  
Oberstar and  
Herbert C.  
Jackson sit back-  
to-back in lay-up  
at Detroit, MI.**

**Note: Lower  
Detroit River and  
Windsor/Detroit  
with no ice in  
sight!**

Andrew Russell image,  
February 13

*Andrew Jean*



**Guest Speaker**

**Mr. Frank Zhu**