



# **Flowing downriver: exploring sediment and nutrient downstream impacts and solutions through innovative beneficial reuse**

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August 5, 2026

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**GLSNRP Dialogues | Green Bay, WI**



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# We want to hear from you!

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Please scan to take pre-event survey questions!

**Goal:** understand how different audiences view the sediment lifecycle



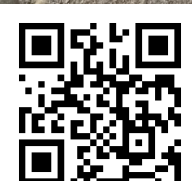




# SEDIMENT MANAGEMENT TO SUPPORT RESTORATION & RESILIENCE



- 3-year project funded by NY state direct appropriation, in partnership with NYSDEC, supports New York's Great Lakes Action Agenda
- Focus: Lake Ontario, Eastern Lake Erie, and Upper St. Lawrence River – with basin-wide applications
- Objectives: Promote a coordinated, holistic approach to sediment management across its full lifecycle, convene stakeholders across sectors, and share knowledge, best practices, and needs
- Vision: A more resilient Great Lakes basin with sustained navigable waterways and flourishing coastal areas





# COMMUNICATION, OUTREACH & ENGAGEMENT



*Sediment Resilience in the Great  
Lakes: Understanding Governance  
Drivers for Sustainable Shoreline  
Management Resilience*



NEW YORK STATE WATER  
RESOURCES INSTITUTE  
Cornell University



# EVENTS + CONVENINGS

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***Showcase different topics involved with the lifecycle of sediment, involving various stakeholders***

## Healing Our Waters – Great Lakes Coalition Conference

- Sediment in Motion: A Discussion of Nature-Based Solutions and Impacts on Sediment Transport
  - Detroit, MI – September 24-25, 2026

## Great Lakes Coastal Symposium

- Exploring Restoration Practices and Partnerships for Beneficially Using Dredged Material in Coastal Communities
  - Huron, OH – October 26-28, 2026

## Dredging Windows Workshop – *invitation event*

- Advancing Science-based Strategies for Dredging Windows in eastern Lake Erie, Lake Ontario, and the Upper St. Lawrence River
  - Buffalo, NY – November 17-18, 2026



# EVENTS + CONVENINGS

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*Showcase different topics involved with the lifecycle of sediment, involving various stakeholders*

## Webinar series each summer

- June 25 (recorded): Sediment in Motion: Challenges, Opportunities and Connections across the Lifecycle of Sediment
- View webinar recording at [www.glc.org/work/smsrr](http://www.glc.org/work/smsrr)

## Small Harbors Convening

- NY Great Lakes Coastal Area – TBD 2027

Final wrap-up event 2028

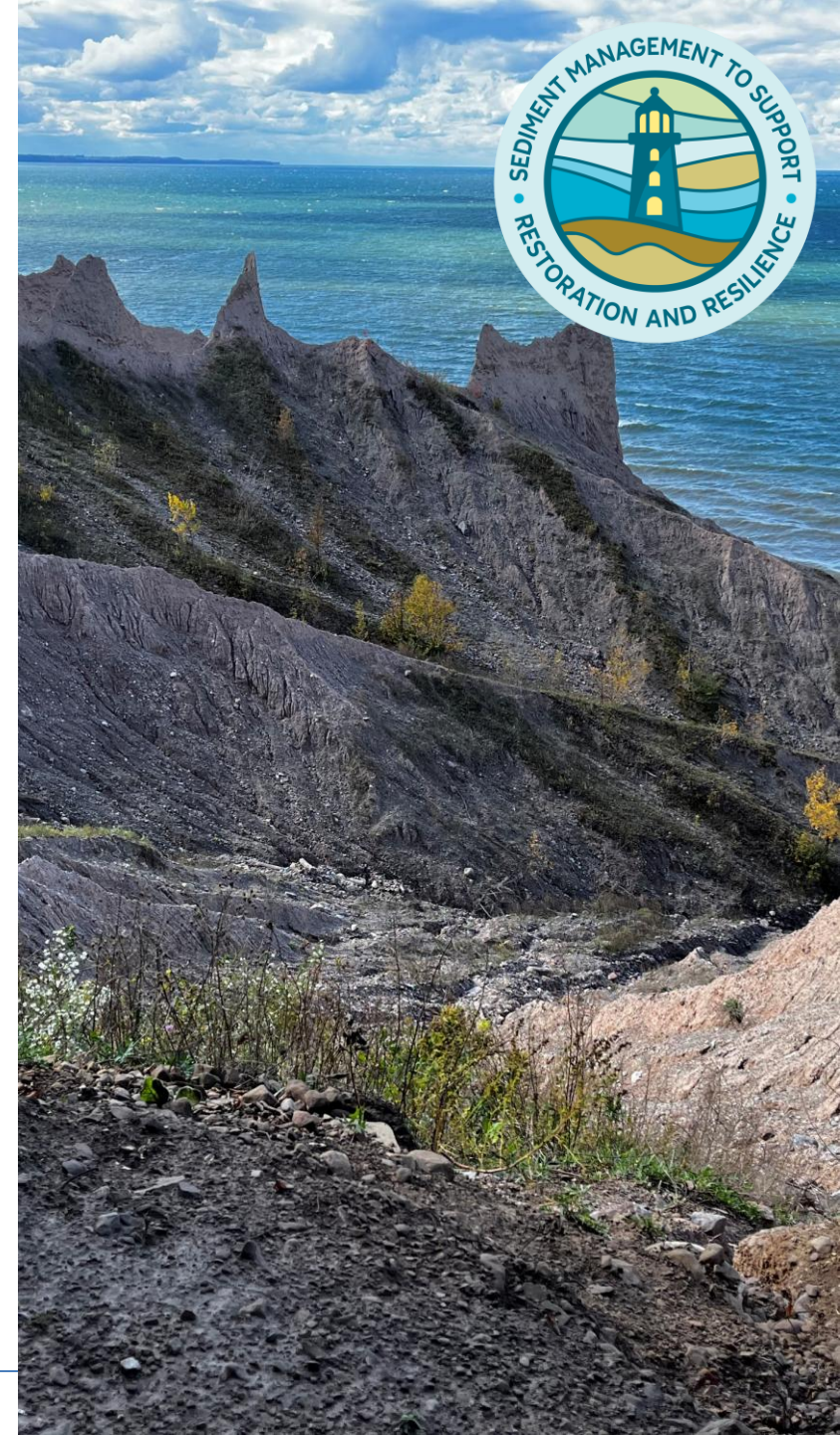




# DESIRED OUTCOMES

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- Knowledge building and an increased, shared understanding of sediment management topics among stakeholders working with sediment across its lifecycle, from sources to sinks.
- Perspective change that equips and empowers system-wide thinking of the sediment lifecycle in management efforts, fosters connection among sediment stakeholders across sectors, and results in resilient sediment management practices from upland sources to the Great Lakes.
- Adoption of best practices that are 1) grounded on analysis and research of current techniques and practices, and 2) developed through concerted sharing and communication of information across sectors and among stakeholders.





# LIFECYCLE OF SEDIMENT IN THE GREAT LAKES



**1** Jim Killian, Dredging and Sediment Management, Wisconsin DNR

**2** Salim Shamsu-Deem Mohammed, PhD Student, Bowling Green State University

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|----------------------|-----------------------------|-------------------------------|
| 1 Dam                | 11 Wetlands                 | 21 Harbor/Marina              |
| 2 Private Landowners | 12 Beach                    | 22 Jetty                      |
| 3 Shoreline Erosion  | 13 Nearshore                | 23 Tributary                  |
| 4 Bendway Weirs      | 14 Longshore Littoral Drift | 24 Industry                   |
| 5 Buffer             | 15 Dunes and Bluffs         | 25 Straightened Channel       |
| 6 Cover Crops        | 16 Navigation Channel       | 26 Confined Disposal Facility |
| 7 Windbreak          | 17 Barrier Islands          |                               |
| 8 Sediment Accretion | 18 Dredging Barge           |                               |
| 9 Bank Stabilization | 19 Shoreline Erosion        |                               |
| 10 Forested Land     | 20 Hardened Shoreline       |                               |



# We want to hear from you!

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- Please scan & take post-event survey questions!
- Survey will stay open after this event







# Thank you!

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