

Lake Ontario Coastal Restoration and Resilience Decision Support Tools

USACE Buffalo's Lake Ontario Habitat Support project (455171) has three decision support tools related to Lake Ontario coastal resilience and restoration.

Provides an advancement in the coastal restoration and resiliency planning beginning in the summer of 2019.

Development of these tools is supported by the Great Lakes Restoration Initiative.



The tools will help provide value to the nation by empowering federal, state and local agencies with information to invest in sustainable solutions along their coastlines.

Identifying coastal vulnerabilities now saves lives, property and money in the future.



Lake Ontario Natural and Nature Based Features Opportunity Viewer (NNBF)



<https://tinyurl.com/wnjn5d3>

Helps inform landowners whether their property is suitable for a natural or nature-based shoreline.

Includes an index that ranks coastal reaches based on lowest-risk for nature-based features.

The index would rely on coastal data and modeling that quantify variables such as wave energy, erosion rates and flood frequency.

Lake Ontario extension to the Great Lakes Coastal Wetlands Decision Support Tool (CWDST)



<https://tinyurl.com/y3uwycad>

Accelerate coastal wetland restoration, protection, and prioritization based on standardized monitoring data that describe existing wetland health and function.

Lake Erie and Ontario Sediment Budget



<https://tinyurl.com/w7xbymd>

Identify patterns for sediment flow along Lake Ontario shore and provide decision support for use in local planning of coastal design.

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