

Pre-Workshop Survey Materials 11/29/2012

Survey Invitation Email [to be sent on January 4, 2013 via our Vovici survey software]

To: [list]
From: NOAA_GreatLakes_Workshop@erg.com
Subject: Input requested for Shoreline Change Workshop: Perspectives on the Great Lakes

NOAA's Coastal Storms Program plans to convene a Shoreline Change Workshop: Perspectives on the Great Lakes on April 10-11, 2013 in Chicago, IL. This workshop will help inform funding priorities while the Coastal Storms Program is focusing on the Great Lakes Region over the next 3-4 years.

We are seeking input from a broad array of stakeholders in the Great Lakes region in order to design an effective workshop.

We would greatly appreciate your participation in this pre-workshop survey by January 15, 2013:

[Link to survey will appear as "Great Lakes Shoreline Change Workshop: Pre-Workshop Survey"]

Thank you in advance for your input!

Sincerely,

NOAA Coastal Storms Program Staff

Survey Reminder [to be sent automatically to non-respondents on January 10, 2013]

To: [list]
From: NOAA_GreatLakes_Workshop@erg.com
Subject: Reminder: Input requested for Shoreline Change Workshop - Great Lakes

If possible, please participate in our pre-workshop survey for our Shoreline Change Workshop: Perspectives on the Great Lakes, to be held on April 10-11, 2013 in Chicago, IL.

[Link to survey will appear as "Great Lakes Shoreline Change Workshop: Pre-Workshop Survey"]

Your input by January 15, 2013 will help us design an effective workshop and help inform the Coastal Storms Program's funding priorities in the Great Lakes over the next 3-4 years. Thank you in advance!

Sincerely,

NOAA Coastal Storms Program Staff

Shoreline Change Workshop: Perspectives on the Great Lakes

Pre-Workshop Survey

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other suggestions for reducing this burden to Maria Honeycutt, Coastal Hazards Specialist, NOAA Coastal Services Center, 1315 East-West Hwy, Rm 10353, Silver Spring, MD 20910. Notwithstanding any other provisions of the law, no person is required to respond to, nor shall any person be subjected to a penalty for failure to comply with, a collection of information subject to the requirements of the Paperwork Reduction Act, unless that collection of information displays a currently valid OMB Control Number.

The National Oceanic and Atmospheric Administration (NOAA) Coastal Storms Program is organizing a Shoreline Change Workshop: Perspectives on the Great Lakes to be held on April 10-11, 2013 in Chicago, IL. Workshop objectives are:

- Engage and educate stakeholders from all sectors who have a shared interest in managing shoreline change in the Great Lakes and foster a dialogue about tools, data, and procedures used to make coastal management decisions.
- Explore policy, planning, and regulatory approaches to manage shoreline erosion hazards.
- Outline local needs and leverage opportunities for improved data, mapping, and visualization that will support shoreline management activities in the Great Lakes region.

By the end of the workshop, we hope to have prioritized the region's shoreline hazard management requirements and developed some consensus on the best allocation of the Coastal Storms Program's resources for Great Lakes shoreline projects.

Your feedback on shoreline change management data, tools, and strategies in the Great Lakes will help us design an effective workshop.

Your Great Lakes Shoreline Management Activities

1. Role (check all that apply):

- Coastal manager (permitting or non-regulatory)
- Coastal engineer
- Local planner
- Scientist
- GIS analyst
- Elected official (local government)
- Public works official
- Environmental advocate
- Conservation practitioner
- Academic research
- Educator/outreach specialist
- Shoreline property owner
- Contractor
- Consultant
- Other:

[text box]

2. Geographic area of focus (check all that apply):

State/Province:

- | | | |
|----------------------------------|-----------------------------|---------------------------------|
| <input type="checkbox"/> MN | <input type="checkbox"/> WI | <input type="checkbox"/> IL |
| <input type="checkbox"/> IN | <input type="checkbox"/> MI | <input type="checkbox"/> OH |
| <input type="checkbox"/> PA | <input type="checkbox"/> NY | <input type="checkbox"/> Quebec |
| <input type="checkbox"/> Ontario | | |

Lake Basin:

- | | | |
|-----------------------------------|-----------------------------------|--------------------------------|
| <input type="checkbox"/> Superior | <input type="checkbox"/> Michigan | <input type="checkbox"/> Huron |
| <input type="checkbox"/> Erie | <input type="checkbox"/> Ontario | |

3. Datasets used (check all that apply):

- | | | |
|---|---|---|
| <input type="checkbox"/> NOS T-sheets | <input type="checkbox"/> Lake levels | <input type="checkbox"/> Wetland type (NWI) |
| <input type="checkbox"/> Bluff erosion rates | <input type="checkbox"/> Historical lake levels | <input type="checkbox"/> Threatened and endangered species |
| <input type="checkbox"/> Beach erosion | <input type="checkbox"/> Extreme water level analysis | <input type="checkbox"/> Biodiversity |
| <input type="checkbox"/> Beach profile surveys | <input type="checkbox"/> FEMA flood maps | <input type="checkbox"/> Land use |
| <input type="checkbox"/> Historical recession lines | <input type="checkbox"/> Precipitation | <input type="checkbox"/> Zoning |
| <input type="checkbox"/> Littoral processes | <input type="checkbox"/> Stream flow | <input type="checkbox"/> Inventory of existing infrastructure (stormwater, inlet elevation, impervious surface, etc.) |
| <input type="checkbox"/> LIDAR bathymetry | <input type="checkbox"/> Ice cover | <input type="checkbox"/> Inventory of shoreline communities (land use, land cover) |
| <input type="checkbox"/> LIDAR topography | <input type="checkbox"/> Wave data | <input type="checkbox"/> Shoreline protection |
| <input type="checkbox"/> Historical topography | <input type="checkbox"/> Wind data | <input type="checkbox"/> Property parcel |
| <input type="checkbox"/> Historical bathymetry | <input type="checkbox"/> Currents | <input type="checkbox"/> Public access |
| <input type="checkbox"/> USGS Topo Quads | <input type="checkbox"/> Evaporation rates | |
| <input type="checkbox"/> Aerial photography | <input type="checkbox"/> Net basin supplies | |
| <input type="checkbox"/> Satellite data | <input type="checkbox"/> Isostatic rebound | |
| | <input type="checkbox"/> Soil type | |
| | <input type="checkbox"/> Nearshore substrate | |
| | <input type="checkbox"/> Nearshore habitat | |

- Other (list below):
[text box]

4. Tools used (check all that apply):

- C-CAP
- ENOW
- Digital Shoreline Analysis System
- eCoastal Tools
- HAZUS
- VDatum
- CanVis
- Wave modeling tools
- Storm surge modeling tools
- Beach runup and overtopping modeling tools
- Great Lakes Coastal Forecasting System
- GIS software
- Other (list below):
[text box]

Data

Please rate the extent to which adequate scientific and spatial data are available for the following to support shoreline management in the Great Lakes:

| | Fully Adequate | | | | | Inadequate / Unavailable | Don't Know | Don't Use |
|--|----------------|---|---|---|---|--------------------------|--------------------------|--------------------------|
| 5. Historic and current water levels | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Future lake levels | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Historic and current storm surges and seiches | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. Storm return period | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. Storm intensity | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> | <input type="checkbox"/> |
| 10. Meteotsunamis | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> | <input type="checkbox"/> |
| 11. Flooding | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> | <input type="checkbox"/> |
| 12. Bluff erosion | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> | <input type="checkbox"/> |
| 13. Beach/shoreline erosion | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> | <input type="checkbox"/> |
| 14. Sediment transport | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> | <input type="checkbox"/> |
| 15. Underlying geology and morphology | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> | <input type="checkbox"/> |
| 16. Elevation (topography and bathymetry) | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> | <input type="checkbox"/> |
| 17. Coastal/nearshore habitat | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> | <input type="checkbox"/> |
| 18. Habitat function | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> | <input type="checkbox"/> |
| 19. Habitat restoration/monitoring | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> | <input type="checkbox"/> |
| 20. Beach nourishment | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> | <input type="checkbox"/> |
| 21. Land use | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> | <input type="checkbox"/> |
| 22. Land acquisition | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> | <input type="checkbox"/> |
| 23. Public trust/access | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> | <input type="checkbox"/> |
| 24. Shoreline structures | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> | <input type="checkbox"/> |
| 25. Grey infrastructure | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> | <input type="checkbox"/> |
| 26. Green infrastructure | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> | <input type="checkbox"/> |
| 27. Ice prediction | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> | <input type="checkbox"/> |
| 28. Other: | | | | | | | <input type="checkbox"/> | <input type="checkbox"/> |

[text box]

29. Applications (examples of how you utilize available data):

[text box]

Tools

Please rate the extent to which adequate technologies are available to support shoreline management in the Great Lakes:

| | Fully Adequate | | | | | Inadequate / Unavailable | Don't Know | Don't Use |
|--|----------------|---|---|---|---|--------------------------|--------------------------|--------------------------|
| 30. Coastal data portals | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> | <input type="checkbox"/> |
| 31. High resolution data (e.g., LiDAR, aerial photography) | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> | <input type="checkbox"/> |
| 32. Visualization tools and data viewers (e.g., CanVis) | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> | <input type="checkbox"/> |
| 33. Lake level change | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> | <input type="checkbox"/> |
| 34. Flood pattern modeling | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> | <input type="checkbox"/> |
| 35. Wave propagation models | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> | <input type="checkbox"/> |
| 36. Beach profile surveys | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> | <input type="checkbox"/> |
| 37. Economic analysis (e.g., ENOW) | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> | <input type="checkbox"/> |
| 38. Great Lakes Observing System | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> | <input type="checkbox"/> |
| 39. State coastal atlases | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> | <input type="checkbox"/> |

40. Other:

[text]

41. Applications (examples of how you utilize available tools):

[text box]

Needs

Please rate the importance of the following for improving shoreline management in the Great Lakes:

| | Very Important | | | | | Not Important | Don't Know |
|---|----------------|---|---|---|---|---------------|--------------------------|
| | 1 | 2 | 3 | 4 | 5 | | |
| 42. Greater funding | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> |
| 43. More/improved data | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> |
| 44. Improved access to data | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> |
| 45. More/improved tools | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> |
| 46. More/improved management strategies | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> |
| 47. Improved access to technical assistance | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> |
| 48. Resources (including expertise) to foster community involvement and behavior change | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> |
| 49. Collaboration/partnerships | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> |
| 50. Capacity building (e.g., leveraging expertise) | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> |
| 51. Training | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> |
| 52. Other: [text box] | | | | | | | |
| 53. Applications (examples of how meeting needs you rated important could change shoreline management): [text box] | | | | | | | |

Workshop Topics

Please rate the importance of these potential workshop topics as a means of exploring Great Lakes shoreline management and best use of federal support:

| | Very Important | | | | | Not Important | Don't Know |
|--|----------------|---|---|---|---|---------------|--------------------------|
| | 1 | 2 | 3 | 4 | 5 | | |
| 54. Current shoreline change hazards | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> |
| 55. Shoreline change trends and future hazards | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> |
| 56. Currently available data | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> |
| 57. Unmet data needs | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> |
| 58. Currently available tools | 1 | 2 | 3 | 4 | 5 | | <input type="checkbox"/> |

- | | | | | | | |
|---|---|---|---|---|---|--------------------------|
| 59. Unmet tool needs | 1 | 2 | 3 | 4 | 5 | <input type="checkbox"/> |
| 60. Current shoreline management approaches | 1 | 2 | 3 | 4 | 5 | <input type="checkbox"/> |
| 61. Shoreline management unmet needs | 1 | 2 | 3 | 4 | 5 | <input type="checkbox"/> |
| 62. Best management practices | 1 | 2 | 3 | 4 | 5 | <input type="checkbox"/> |
| 63. Potential future management approaches | 1 | 2 | 3 | 4 | 5 | <input type="checkbox"/> |
| 64. Opportunities for collaboration | 1 | 2 | 3 | 4 | 5 | <input type="checkbox"/> |
| 65. Opportunities for federal support | 1 | 2 | 3 | 4 | 5 | <input type="checkbox"/> |

66. Other:
[text box]

67. If you wish, please recommend experts who could speak/present on issues identified above:
[text box]

68. Other comments:
[text box]

Thank you for completing this survey!