



# Regional Sediment Management Program



## Chicago District: Regional Sediment Budget for the Illinois North Shore

### Description

The Illinois North Shore is a highly dynamic and diverse coastline with complex littoral processes complicated by significant coastal infrastructure and active shoreline management. Historically, coastal management has not always been conducted using a coordinated regional approach, which has hindered the efficiency and effectiveness of management activities. The newly established Illinois Coastal Zone Management (CZM) program is developing a comprehensive plan for shoreline management. The development of a regional sediment budget would support the CZM program and provide a valuable tool for Federal, state, and local decision makers.



### Issue/Challenge To Address

Existing regional sediment data is currently collected and housed by multiple agencies and stakeholders along the study reach. The challenge of this effort will be to coordinate with the pertinent stakeholders to collect and share the relevant data necessary for constructing the sediment budget.

### Successes Lessons Learned

This is a new initiative; lessons learned will be included in future fact sheets and final documentation.

### Expected Products

- Comprehensive Coastal Dataset
- Regional Sediment Budget in SBAS
- RSM Technical Note
- Regional Outreach/ Monitoring Plan

### Stakeholders/Users

USACE Chicago District, U.S. Navy, IDNR, Port Authorities, Coastal Stakeholders

**Projected Benefits**

- Aid USACE and Navy in planning for long-term operations and maintenance of Federal navigation projects within the study area
- Aid Illinois DNR in developing a comprehensive plan for shoreline management as part of their new CZM
- Aid USACE, state and local agencies in the planning for coastal navigation, storm damage reduction, and ecosystem restoration projects within the study area

**Leveraging Opportunities**

The sediment budget will be developed in partnership with the State of Illinois to ensure that the tool compliments and is utilized by their recently initiated Coastal Zone Management (CZM) program.

**Points of Contact**

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**Participating Partners**

This sediment budget is being developing with the participation of the Illinois Department of Natural Resources (IDNR) Coastal Management Program