

Waukegan Harbor

Adam Borrelli, P.E.
Operations Project Manager
U.S. Army Corps of Engineers
Chicago District



"The views, opinions and findings contained in this report are those of the authors(s) and should not be construed as an official Department of the Army position, policy or decision, unless so designated by other official documentation."

BUILDING STRONG[®]
and Taking Care of People!



US Army Corps
of Engineers[®]



Waukegan Harbor O&M

➤ Federal Assets (Year Constructed):

- South Pier (1903)
- North Pier (1904)
- North Breakwater (1904)
- North Shore Connection (1931)
- North Pier Revetment (1956)

➤ Recent Dredging Volumes:

- | | |
|-------------------|--------------------|
| ➤ 2019: 0 CY | ➤ 2015: 214,502 CY |
| ➤ 2018: 48,879 CY | ➤ 2014: 0 CY |
| ➤ 2017: 0 CY | ➤ 2013: 71,518 CY |
| ➤ 2016: 83,797 CY | ➤ 2012: 107,703 CY |

➤ Recent Navigation Asset Maintenance:

- South Pier resurfacing (center 800') in progress (Fall 2019)
- North Pier resurfaced in 2017
- Resurfacing of the westerly segment of the South Pier completed in 2006

➤ Port closed to deep draft navigation after massive shoaling resulting from Superstorm Sandy in Oct 2012; reopened in 2015

➤ Solicitation set for dredging in 2020 with options for 2021 expected to be posted to FBO in Aug 2019

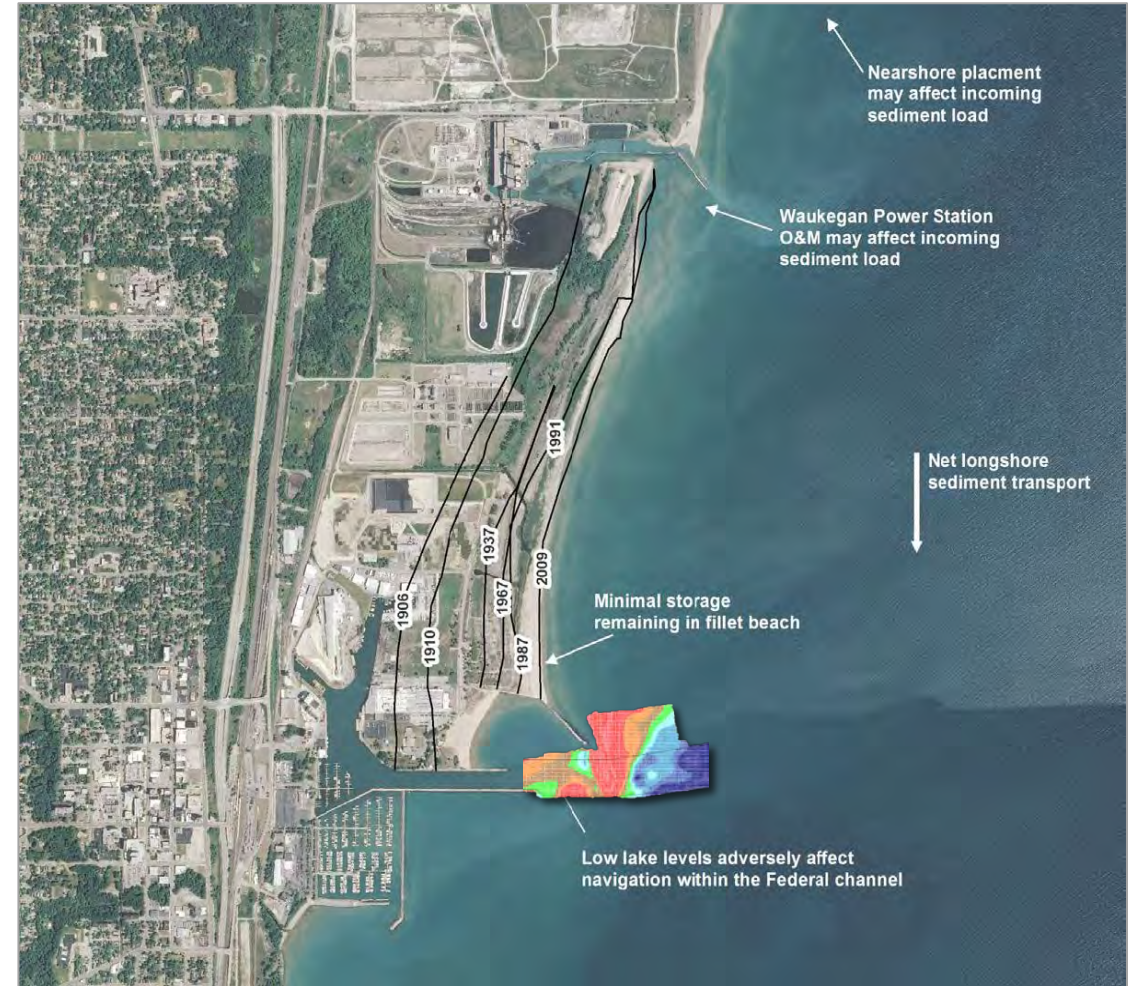
➤ Updated Environmental Assessment scheduled for public review in June 2019



BUILDING STRONG[®]
and Taking Care of People!

Waukegan Harbor CAP Sec. 107 Study - Improve Reliability

- Shoaling in Waukegan Harbor's approach channel increased over the past decade impacting the harbor's ability to reliably provide sufficient depths for commercial navigation
- These conditions resulted in significantly reduced commercial tonnage and increased maintenance dredging costs making budgeting difficult to justify
- Several alternatives have been evaluated, including modifications to the North Breakwater
- Non-fed partners include the Waukegan Port District, IDNR, and City of Waukegan; \$800k total study cost
- Approval of final feasibility report currently scheduled for March 2020



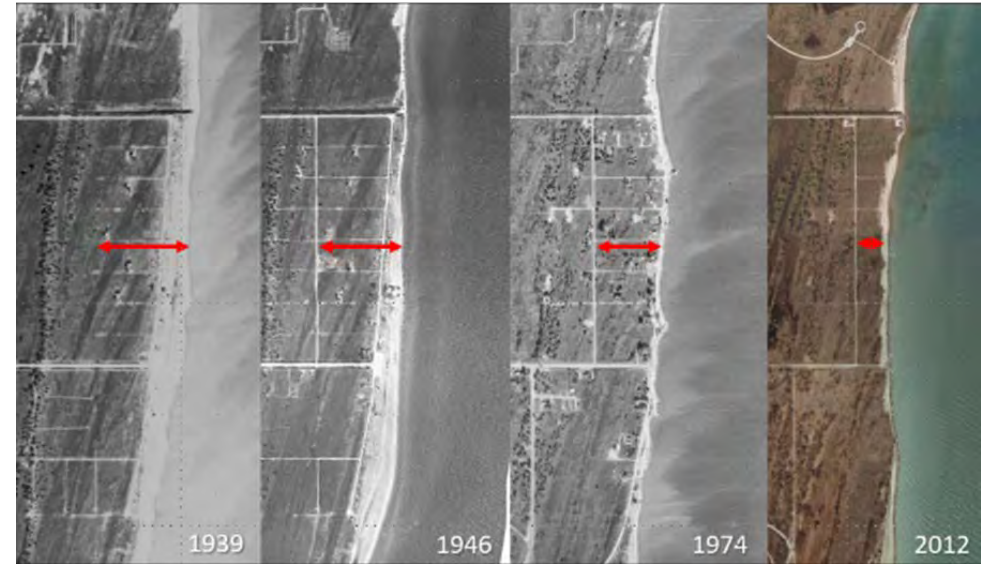
Waukegan Harbor CAP Sec. 107 Study - Improve Reliability



BUILDING STRONG[®]
and Taking Care of People!

IBSP CAP Sec. 204 - Beneficial Use of Dredged Material

- Project to beneficially use dredged material from Waukegan Harbor to protect ecosystem of Illinois Beach State Park (IBSP) for T&E species
- To date, IDNR has paid USACE to place $\approx 518,000$ CY over 12 dredging events from 1999-2013; incremental cost $\approx \$1/\text{CY}$
- Funds received for this project under CAP Sec. 204 would be used to share the incremental cost to transport the material from the typical disposal location to IBSP at 65/35 fed/non-fed
- Sec. 1038, WRDA 2014 amended CAP Sec. 204 to allow for sacrificial material to be placed; Chicago will be first project to utilize this authority



BUILDING STRONG[®]
and Taking Care of People!

NE Illinois Public Beach Protection Sec. 1122 Pilot Project

➤ Sec. 1122, WRDA 2016 established a national pilot program to evaluate beneficial use of dredged material; proposal from north shore communities was one of 10 pilot projects selected nationwide (out of 95 applicants)

➤ 4 non-federal sponsors:

- Lake Bluff Park District
- Foss Park District (North Chicago)
- Glencoe Park District
- City of Evanston

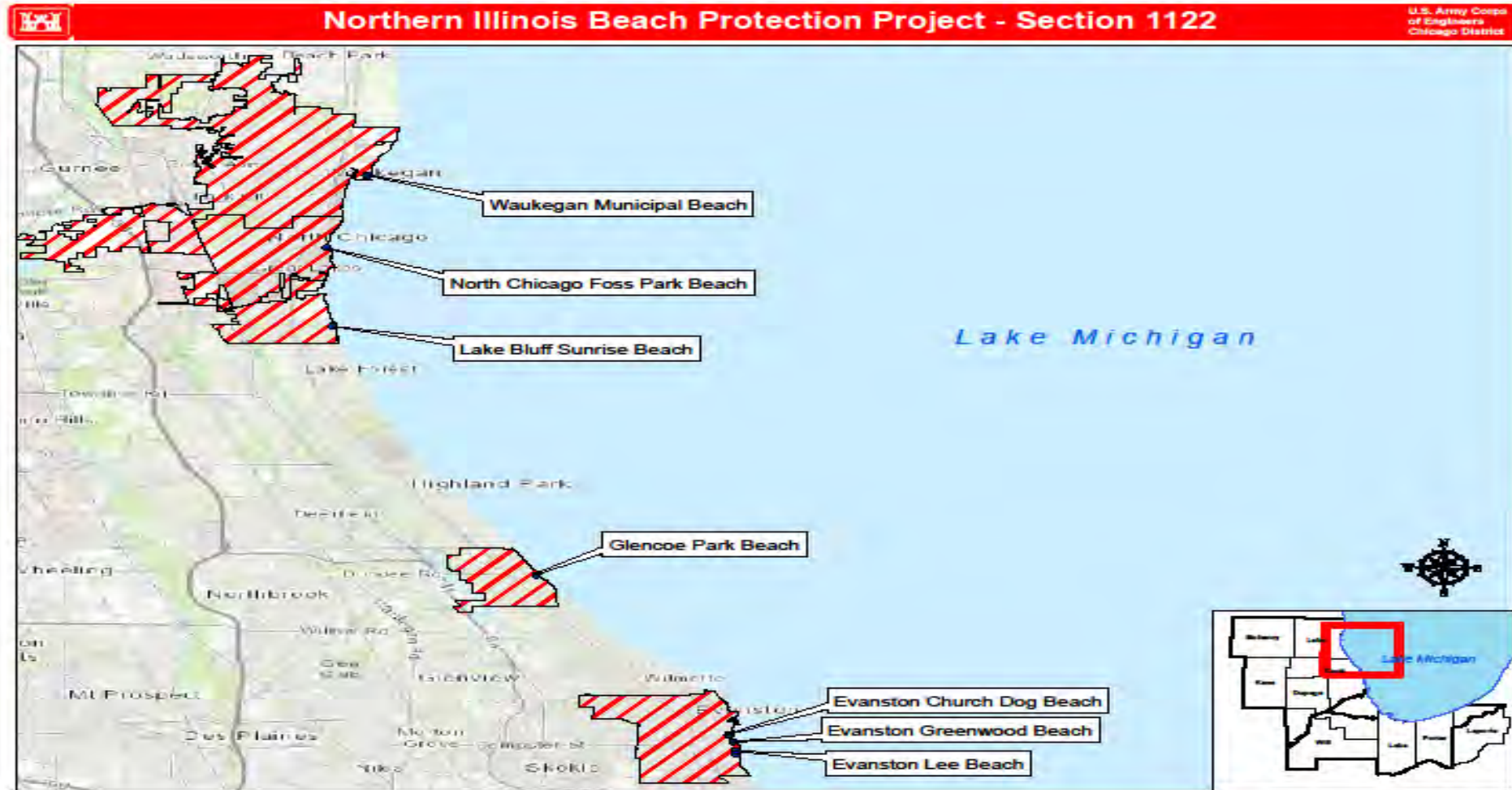


➤ Incremental cost of beach placement of dredged material from Waukegan Harbor is 100% federal

➤ No funding has yet been identified to implement design or construction; however, House FY 20 EWD bill contains \$7.5 million for this purpose

BUILDING STRONG[®]
and Taking Care of People!

NE Illinois Public Beach Protection Sec. 1122 Pilot Project



BUILDING STRONG[®]
and Taking Care of People!

Questions?



BUILDING STRONG[®]
and Taking Care of People!



US Army Corps
of Engineers

