

Cleveland Harbor Dredged Material Management

Requirements, Capacity Issues, and Placement Alternatives

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CLEVELAND

US Army Corps of Engineers
BUILDING STRONG



Cleveland Harbor

- 5.8 miles of federal channel on the Cuyahoga and 1 mile of federal channel on the Old River
- Authorized depths are 28 feet in the outer harbor and 23 feet in the river



Dredging Requirements

- Historically, approx. 330,000 CY (fed and non-fed) were dredged annually to maintain channels
- Since 2006, quantities were reduced to approx. 250,000 CY due to limited CDF capacities
- Sediment backlog is increasing
- Smaller channel dimensions reduce navigation safety



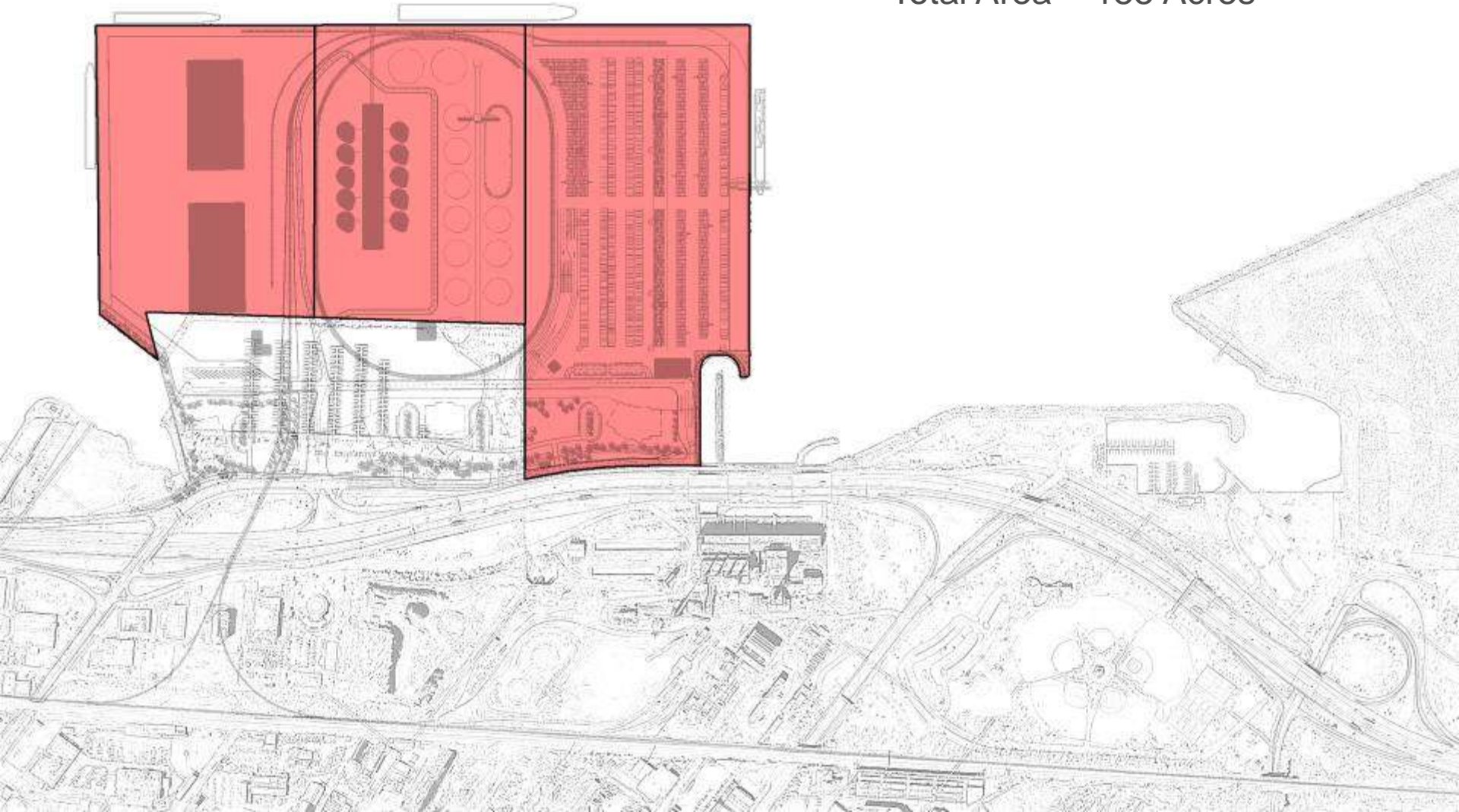
USACE Policy

- Federal policy for the development of Confined Disposal Facilities (CDF's) changed in 1996
 - 100% funded to maximum of 75% funded
 - Smaller project size to larger 20-year CDF solutions
 - Larger Project with Larger Cost Share
- USACE requires the bulk of the local share in the early years
 - (payments are not made in equal annual installments)
- Burden on the local community to meet the federal cost share mandates



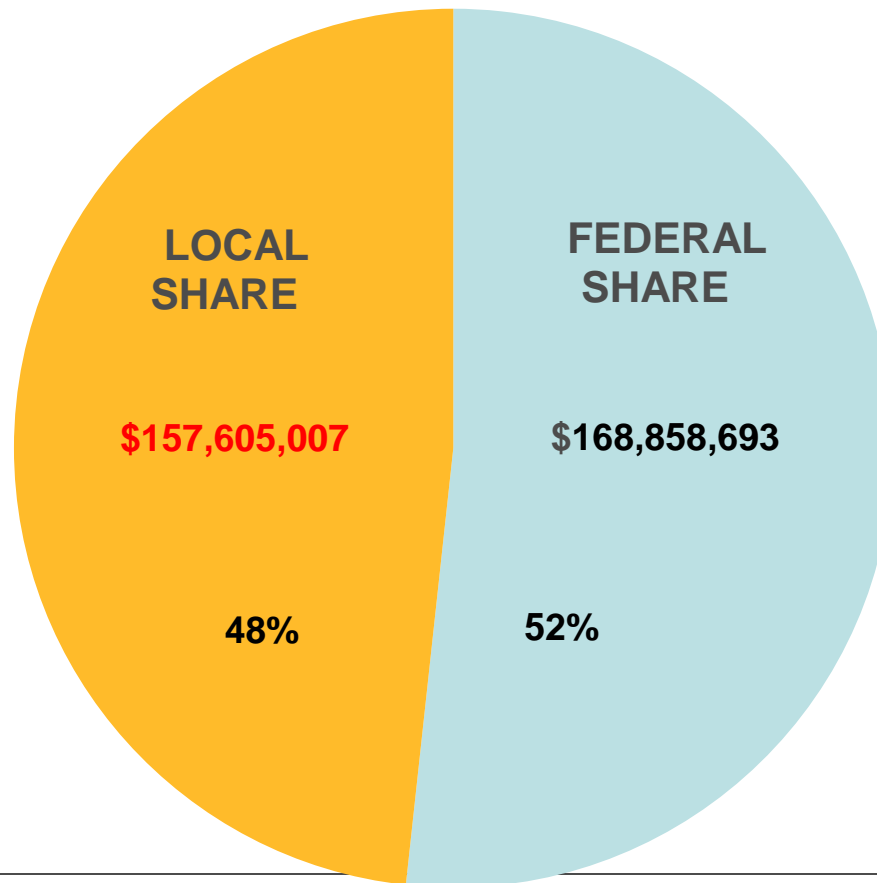
The “Plan”

Total Area = 155 Acres



Cost of Confined Disposal Facility

- ▶ TOTAL ESTIMATED COST OF CDF = \$302,670,800



What's Needed For a New CDF?

- An updated Letter of Intent from the Local Sponsor confirming their support of the Locally Preferred Plan - Plan 4A at E. 55th St. Site
- A Self-Certification of Financial Capability from the Local Sponsor acknowledging local cost sharing obligations and stating that funds will be available
 - CCCPA has \$8M Budget
 - No State assistance



The Problem

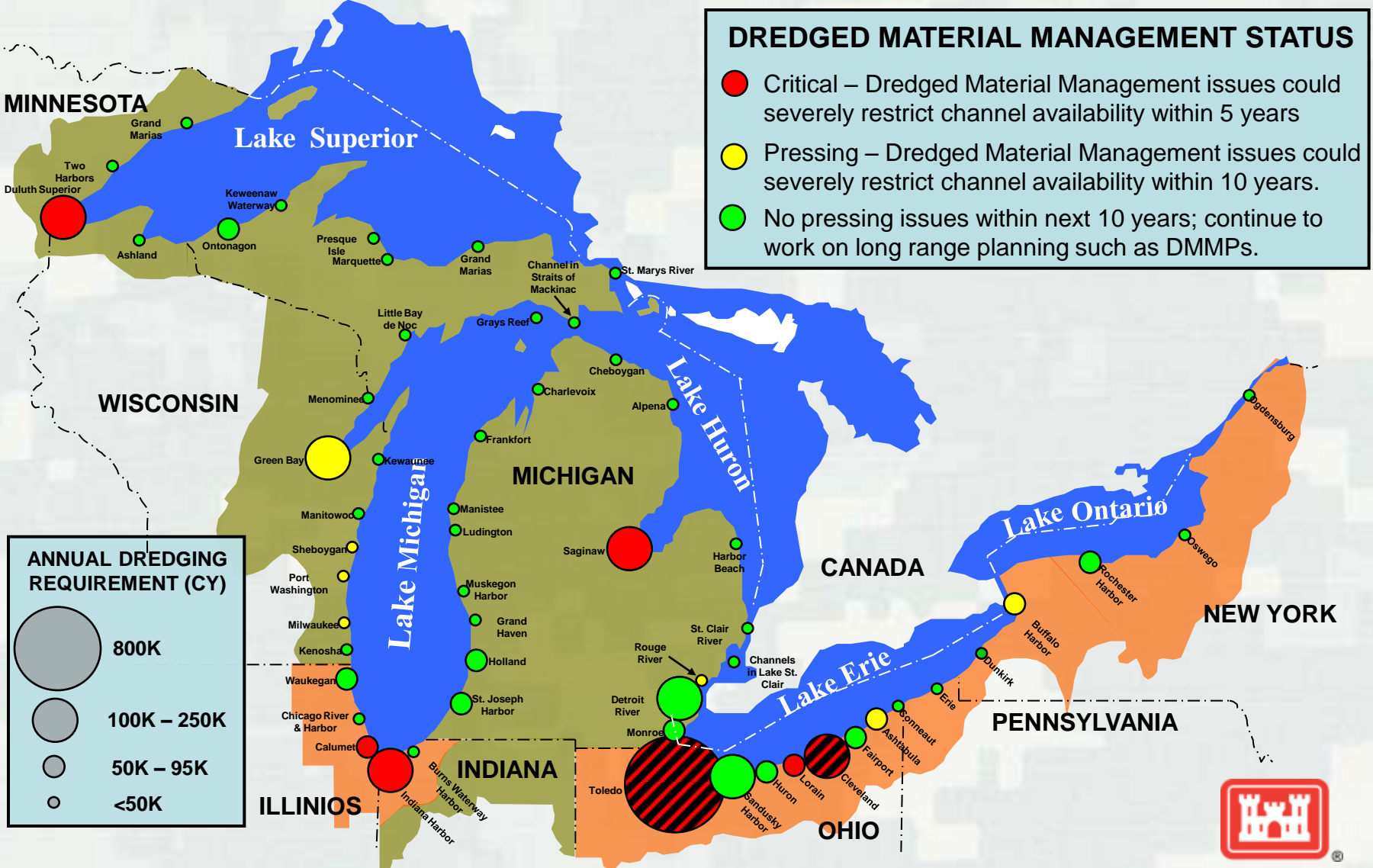
- Existing lakefront CDFs run out of capacity in 2014
- Non-federal financial capability for a new CDF will be delayed at least 2 Years
- Earliest date a New CDF can be ready is 2017
- Focus now on **Interim Dredged Management Options** for 2+ Years to fill the gap
- We have to start now on solutions

Effects of a Potential Two-Year Delay Implementing a Long-Term Management Solution					
Calendar Year	Project Year	Federal Sediment Placed in CDF	Non-Federal Sediment Placed in CDF	Total Cubic Yards Placed in CDF	Placement Location
2008					CDF 10B
2009	1	225,000	25,000	250,000	CDF 12
2010	2	225,000	25,000	250,000	
2011	3	225,000	25,000	250,000	CDF 9/10B/12
2012	4	225,000	25,000	250,000	
2013	5	225,000	25,000	250,000	CDF 12
2014	6	166,000	0	166,000	
2015	7	0	0	0	Identify Interim Management Site(s)
2016	8	0	0	0	
2017	9	362,000	48,400	410,400	New CDF
2018	10	362,000	48,400	410,400	
2019	11	362,000	48,400	410,400	
2020	12	362,000	48,400	410,400	
2021	13	362,000	48,400	410,400	
2022	14	362,000	48,400	410,400	
2023	15	362,000	48,400	410,400	
2024	16	362,000	48,400	410,400	
2025	17	293,500	36,700	330,200	
2026	18	293,500	36,700	330,200	
2027	19	293,500	36,700	330,200	
2028	20	293,500	36,700	330,200	
Total Sediment Placement		5,361,000	659,000	6,020,000	
Annual Average		268,050	32,950	301,000	

Notes: 1) An interim management site(s) could be available prior to 2015; 2) A new long-term management facility or CDF would provide 20 years of capacity (2017 - 2036); 3) Increased dredging rates from 2017-2024 address the build-up of a sediment backlog.

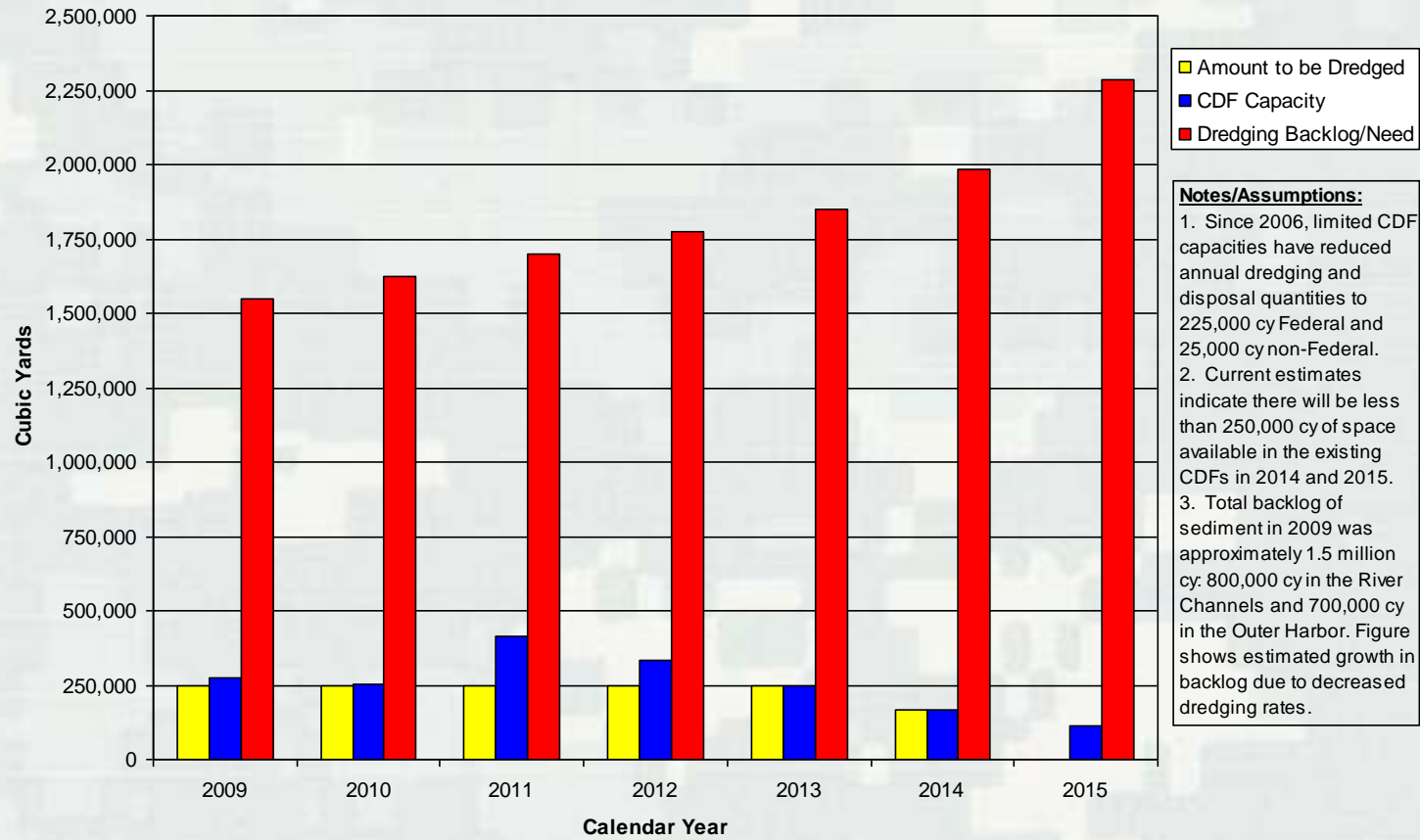


Great Lakes Priorities



Capacity Projections

Cleveland Harbor Dredging and Disposal Capability Assessment





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U.S. Army Corps of Engineers tells Cleveland-Cuyahoga County Port Authority to pay its share of new dike or risk closing Cleveland Harbor

By James F. McCarty, The Plain Dealer
November 18, 2009, 6:23PM



Chuck Crow/Plain Dealer photographer

The U.S. Army Corps of Engineers issued tough orders Wednesday to the Cleveland-Cuyahoga County Port Authority's board of directors: come up with \$158 million or else.

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Should the port authority be saved or dismantled? Critics say other public entities could do the job better

By James F. McCarty, The Plain Dealer
January 11, 2010, 8:00AM



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- Brownfields Restoration (ex. CVIC)
- Mine Reclamation
- Backfill excavations
- Wetland/habitat restoration (sediment suitability?)
- Landfill Cover

