US Army Corps
of Engineers
Great Lakes &
Ohio River Division

FY 07 Navigation Season Summary

- Soo Locks Traffic Barometer

- Water Levels & Dredging
  Impacts on Navigation

Wayne Schloop, PE
Chief, Operations
Detroit District

US Army Corps
of Engineers
Great Lakes &
Ohio River Division

Harbors & Channels

US Army Corps
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Great Lakes &
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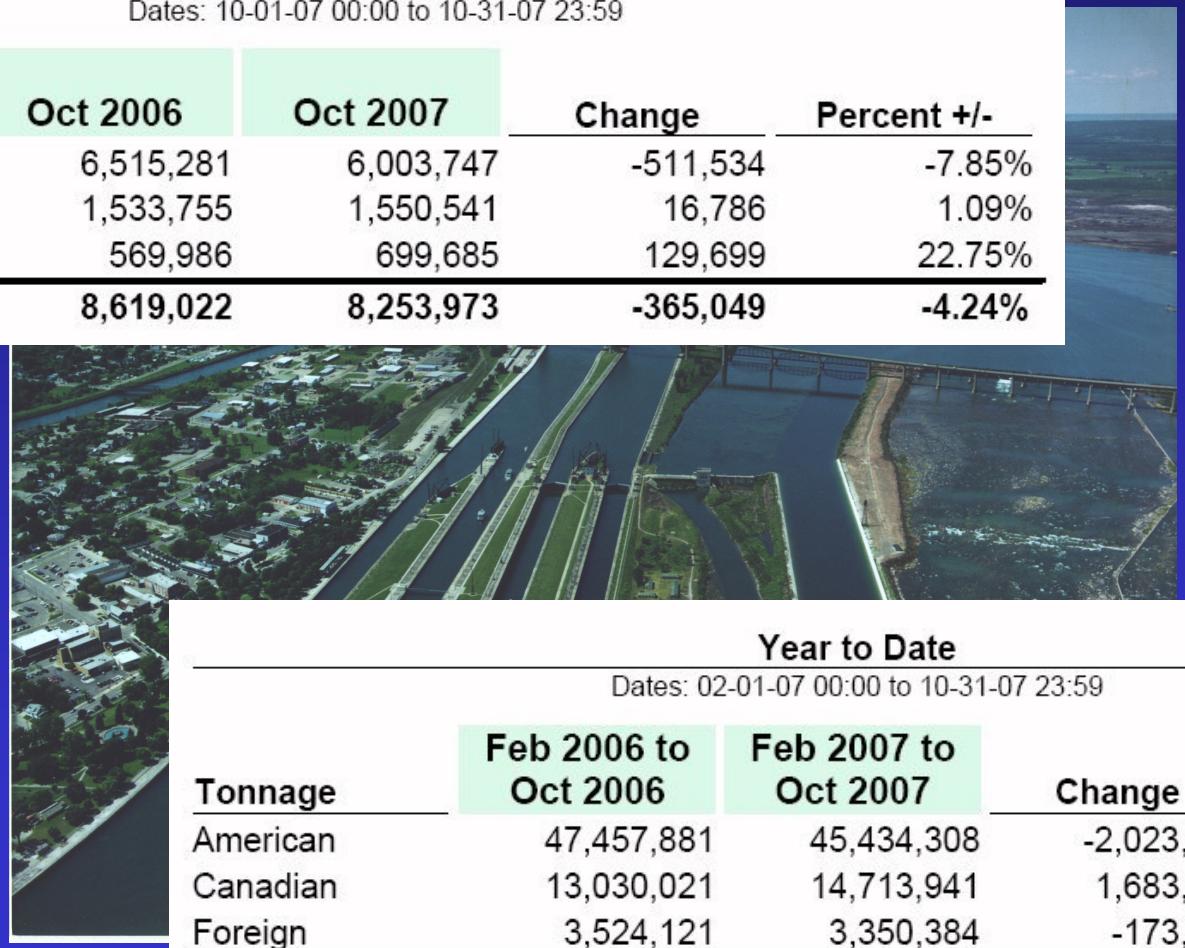
Soo Locks Traffic

Current Month: October 2007

Dates: 10-01-07 00:00 to 10-31-07 23:59

Tonnage	Oct 2006	Oct 2007	Change	Percent +/-
American	6,515,281	6,003,747	-511,534	-7.85%
Canadian	1,533,755	1,550,541	16,786	1.09%
Foreign	569,986	699,685	129,699	22.75%
	8,619,022	**8,253,973**	**-365,049**	**-4.24%**



Year to Date

Dates: 02-01-07 00:00 to 10-31-07 23:59

Tonnage	Feb 2006 to Oct 2006	Feb 2007 to Oct 2007	Change	Percent +/-
American	47,457,881	45,434,308	-2,023,573	-4.26%
Canadian	13,030,021	14,713,941	1,683,920	12.92%
Foreign	3,524,121	3,350,384	-173,737	-4.93%
	64,012,023	**63,498,633**	**-513,390**	**-0.80%**

FY 07 Navigation Season Summary

Water Levels & Dredging

"Impacts on Navigation"

- Groundings
- Holland Harbor
- Muskegon Harbor
- Monroe Harbor
- Little Lake
- Portage Lake

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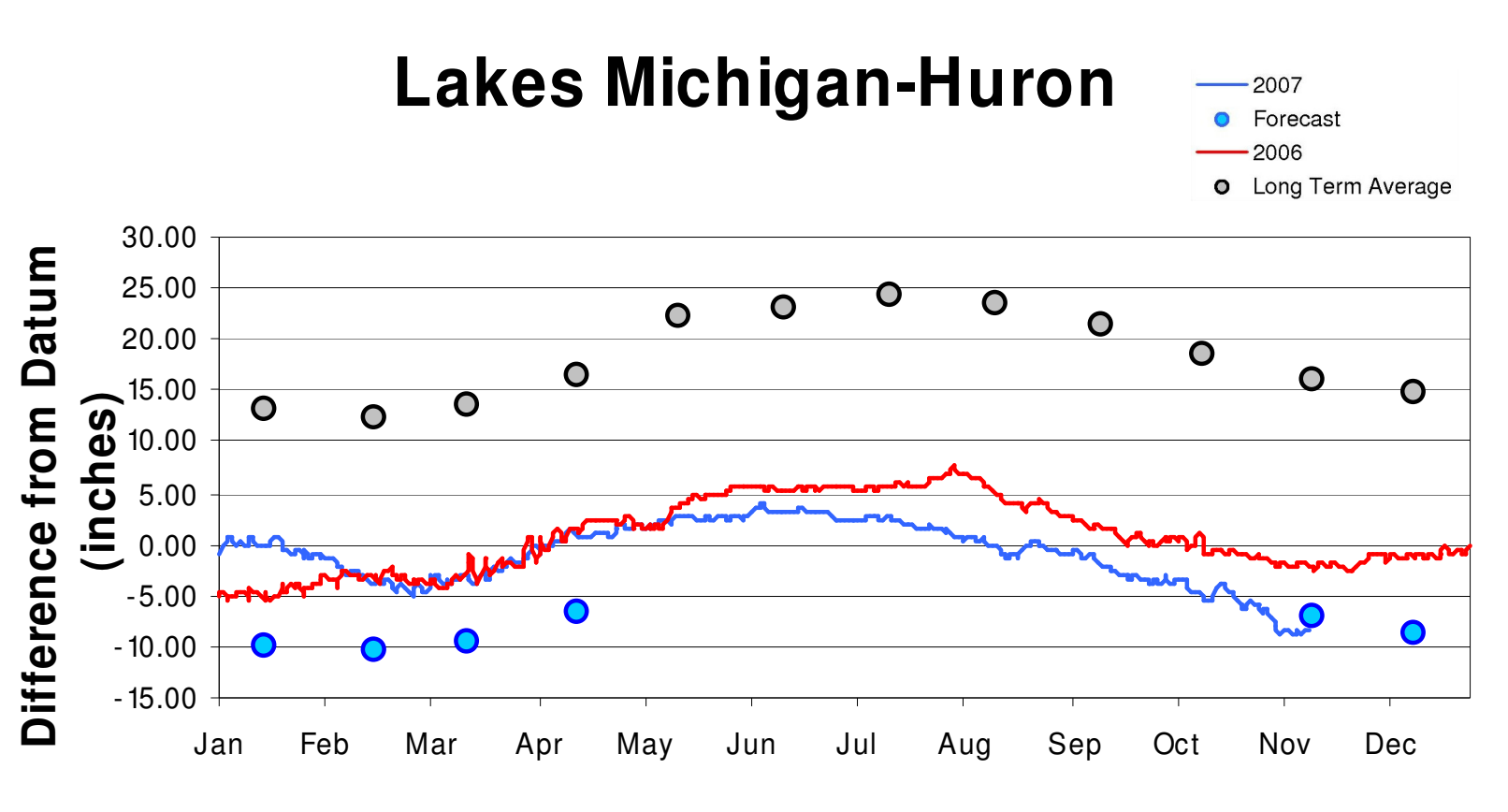
Current Conditions
Lake Levels



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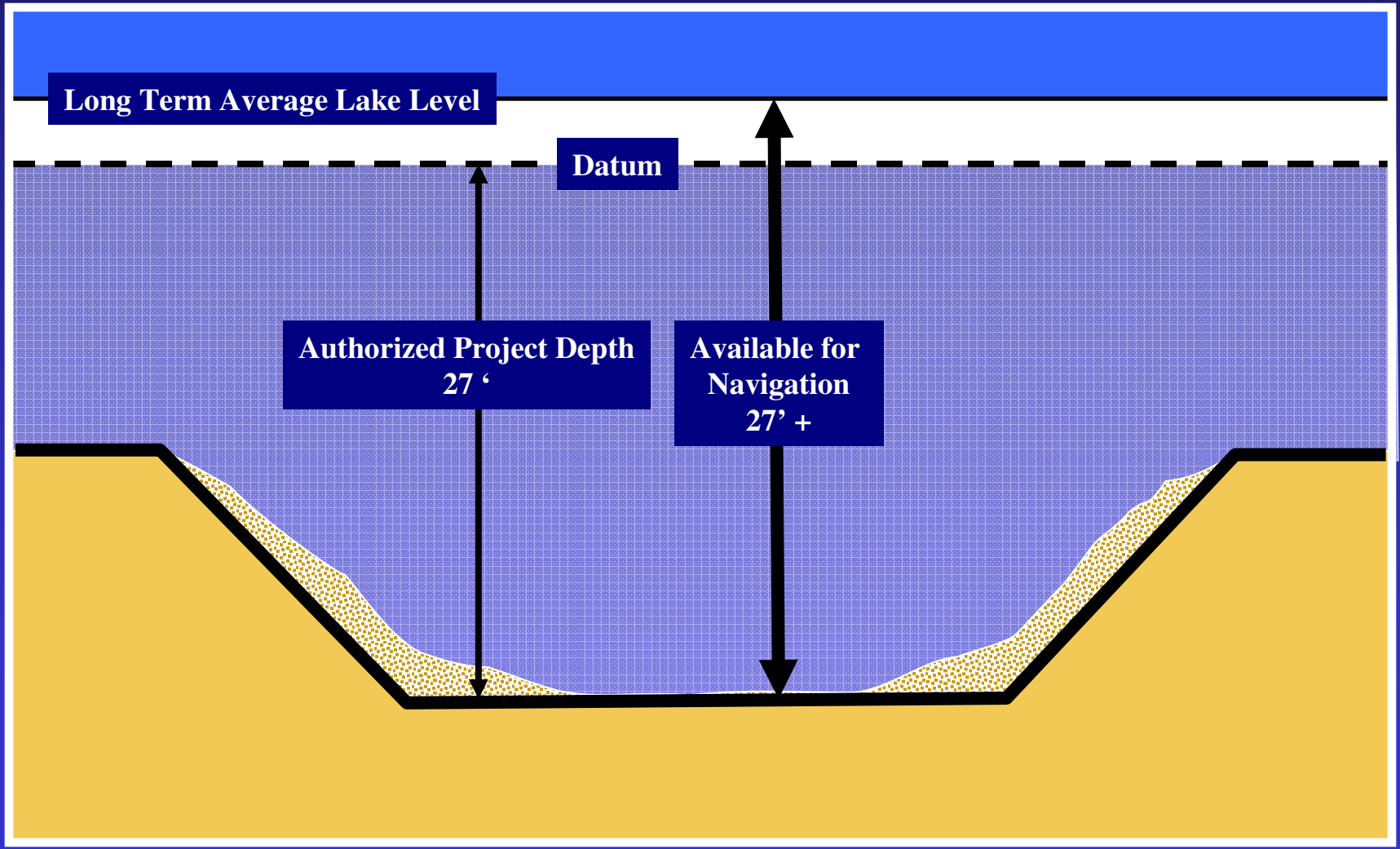
Historical Water Levels "Normal" Conditions



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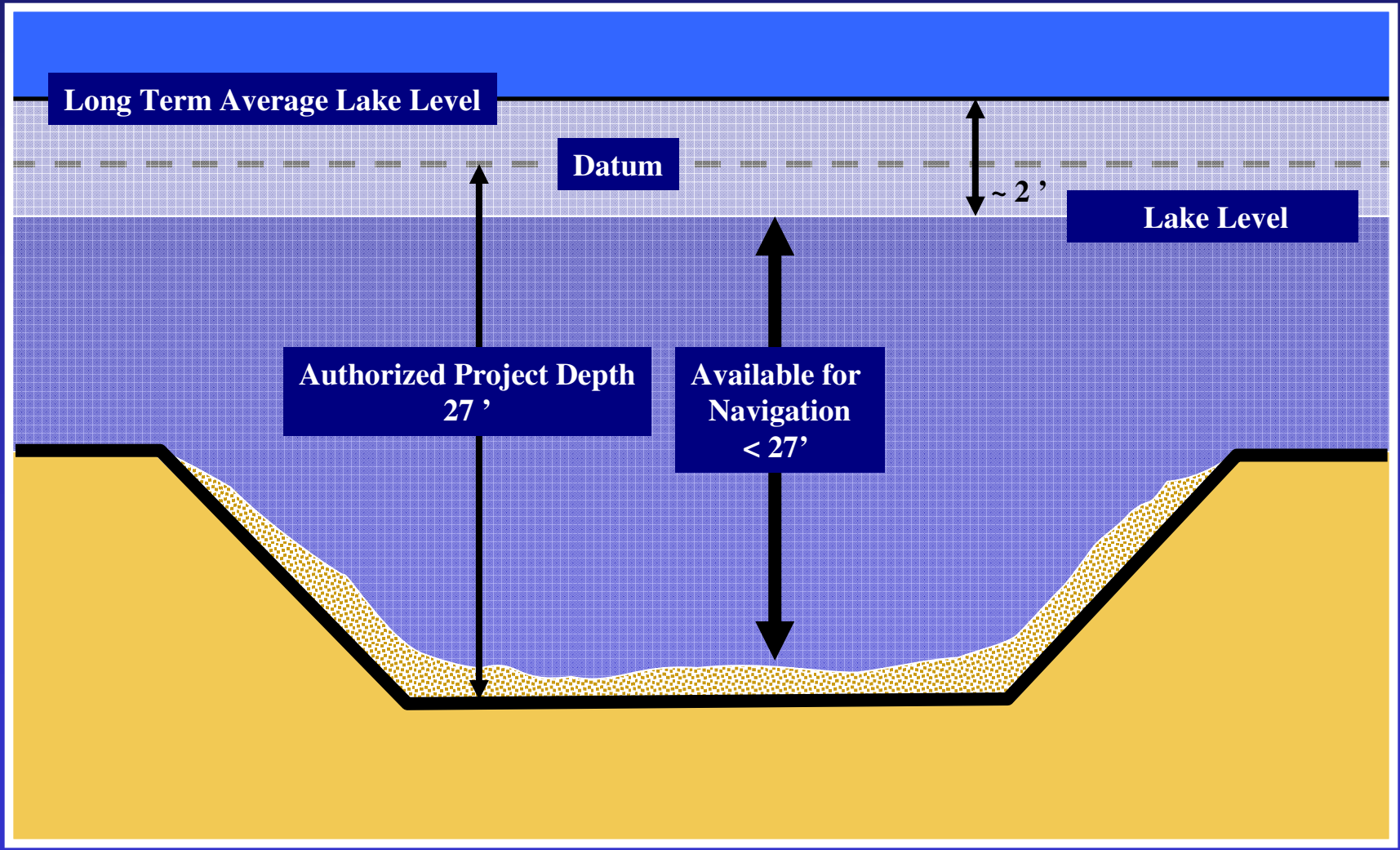
Conditions: 1999 to 2003
Water Level Below Datum



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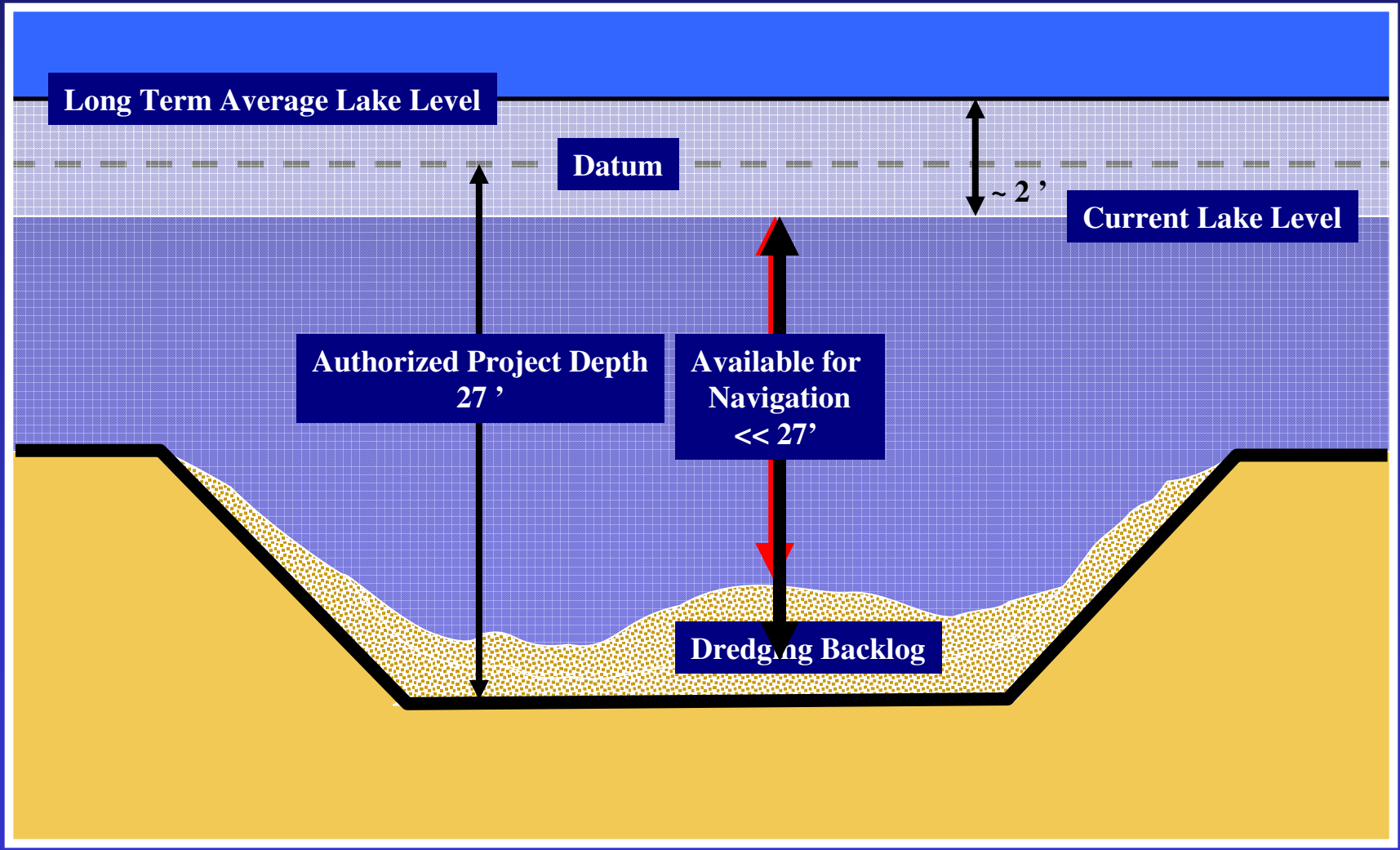
Current Condition
Below Datum w/Dredging Backlog



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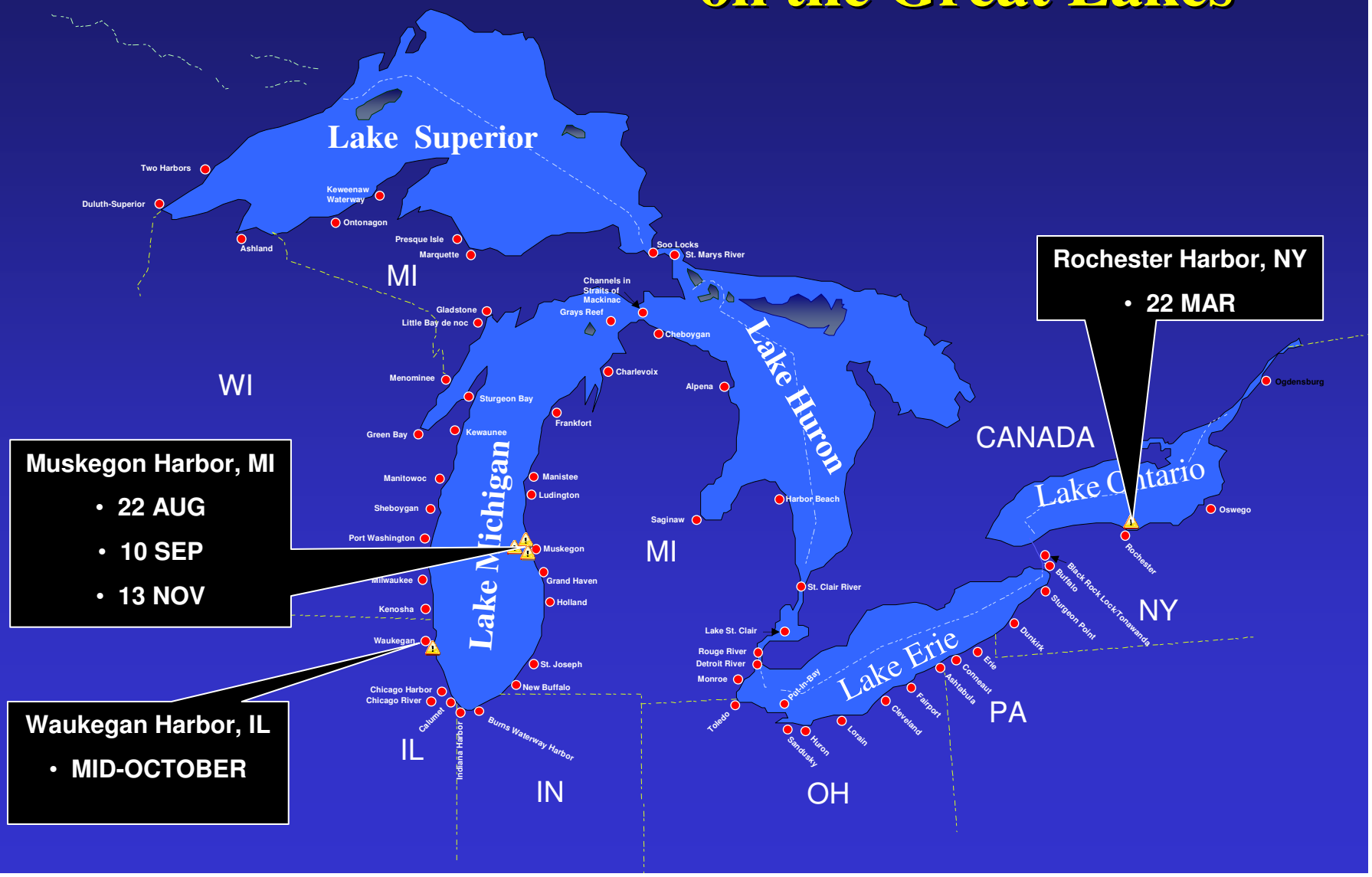
2007 Groundings on the Great Lakes



Rochester Harbor, NY

- 22 MAR

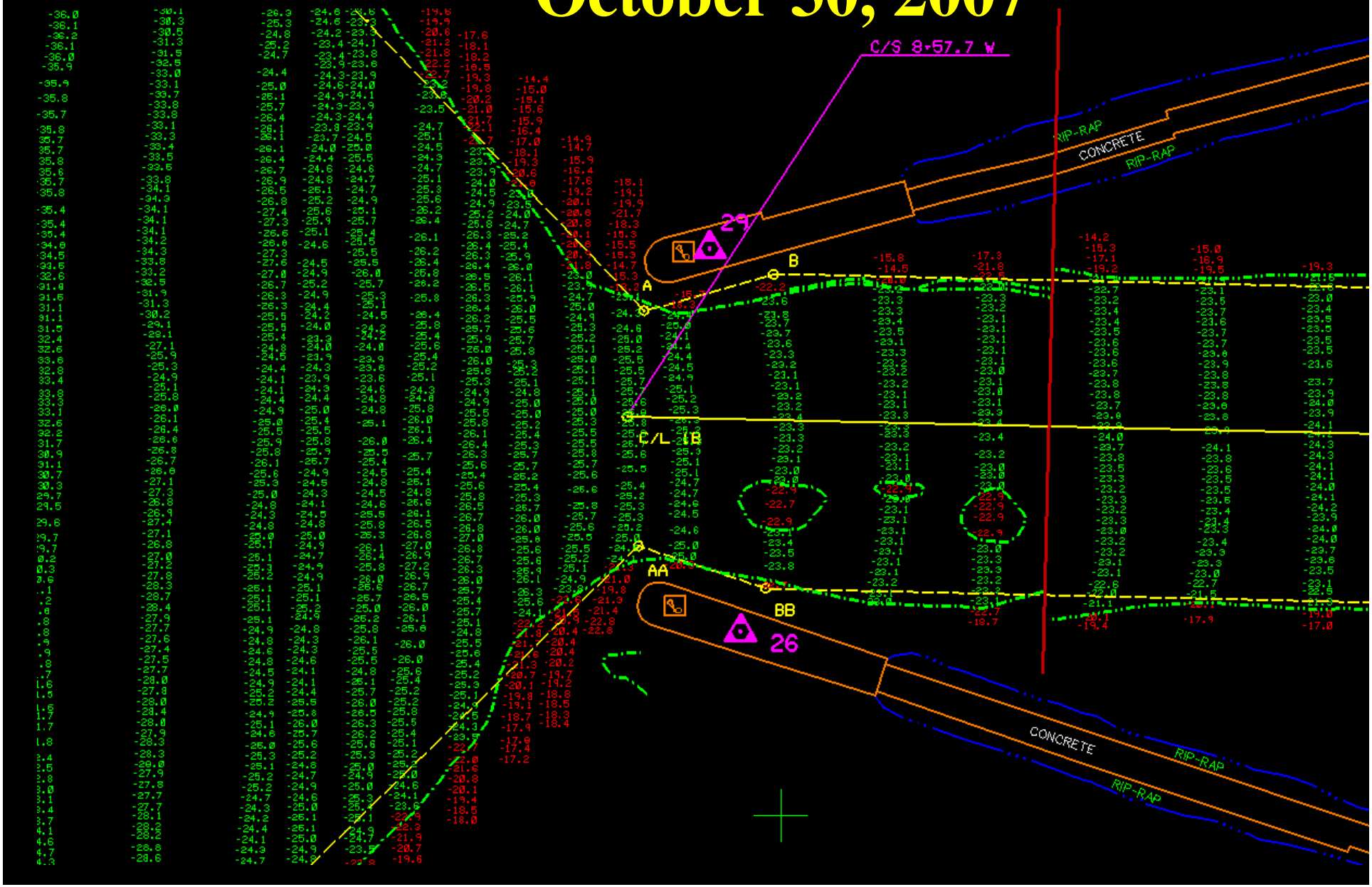
Muskegon Harbor, MI

- 22 AUG
- 10 SEP
- 13 NOV

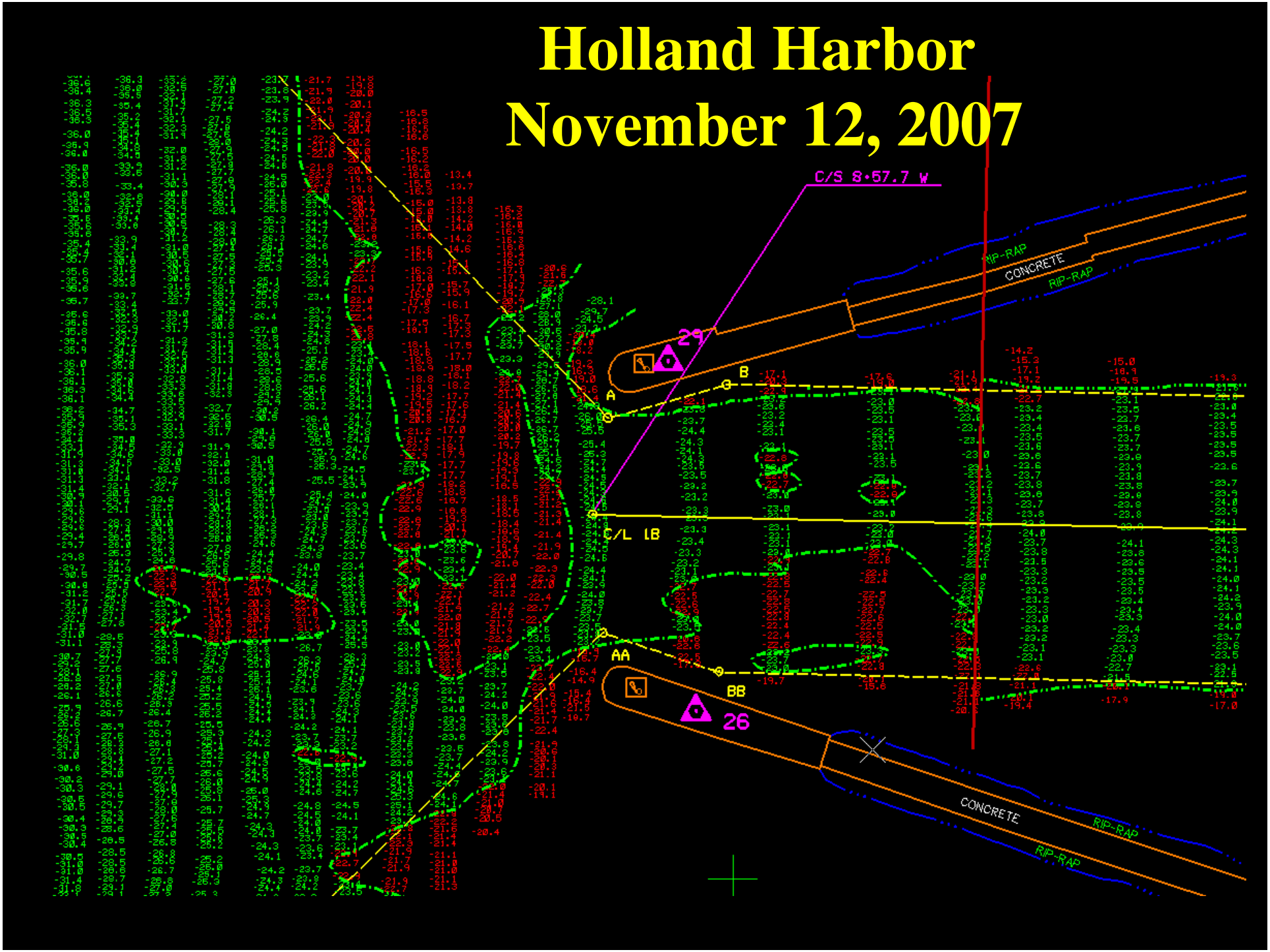
Waukegan Harbor, IL

- MID-OCTOBER

Holland Harbor
October 30, 2007



Holland Harbor
November 12, 2007



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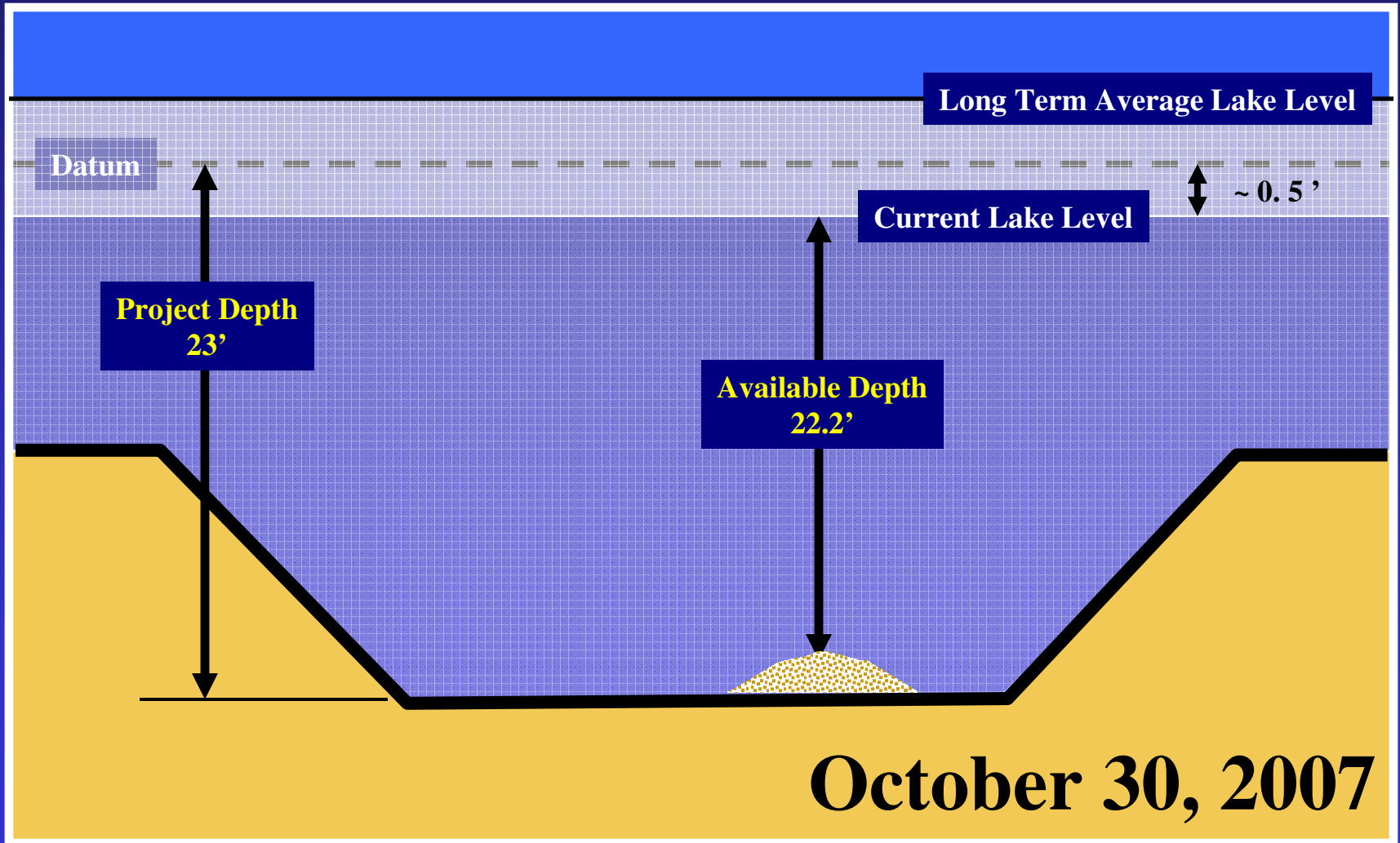
Holland Harbor



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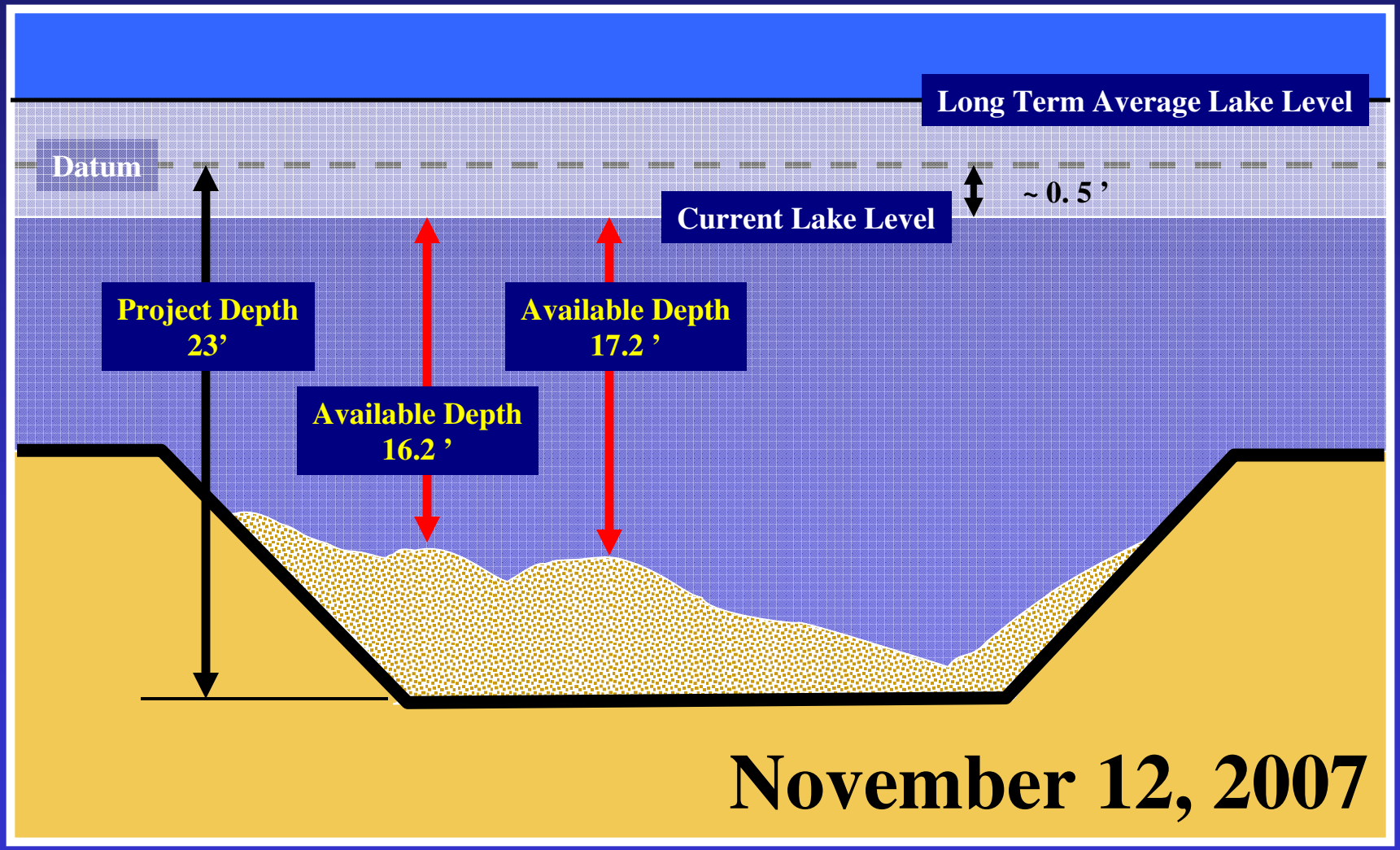
Holland Harbor



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Muskegon Harbor

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Muskegon Harbor

Muskegon Harbor

American Integrity
September 10, 2007

Monroe Harbor

Monroe Harbor

Monroe Harbor

Prior to Dredging

After Dredging

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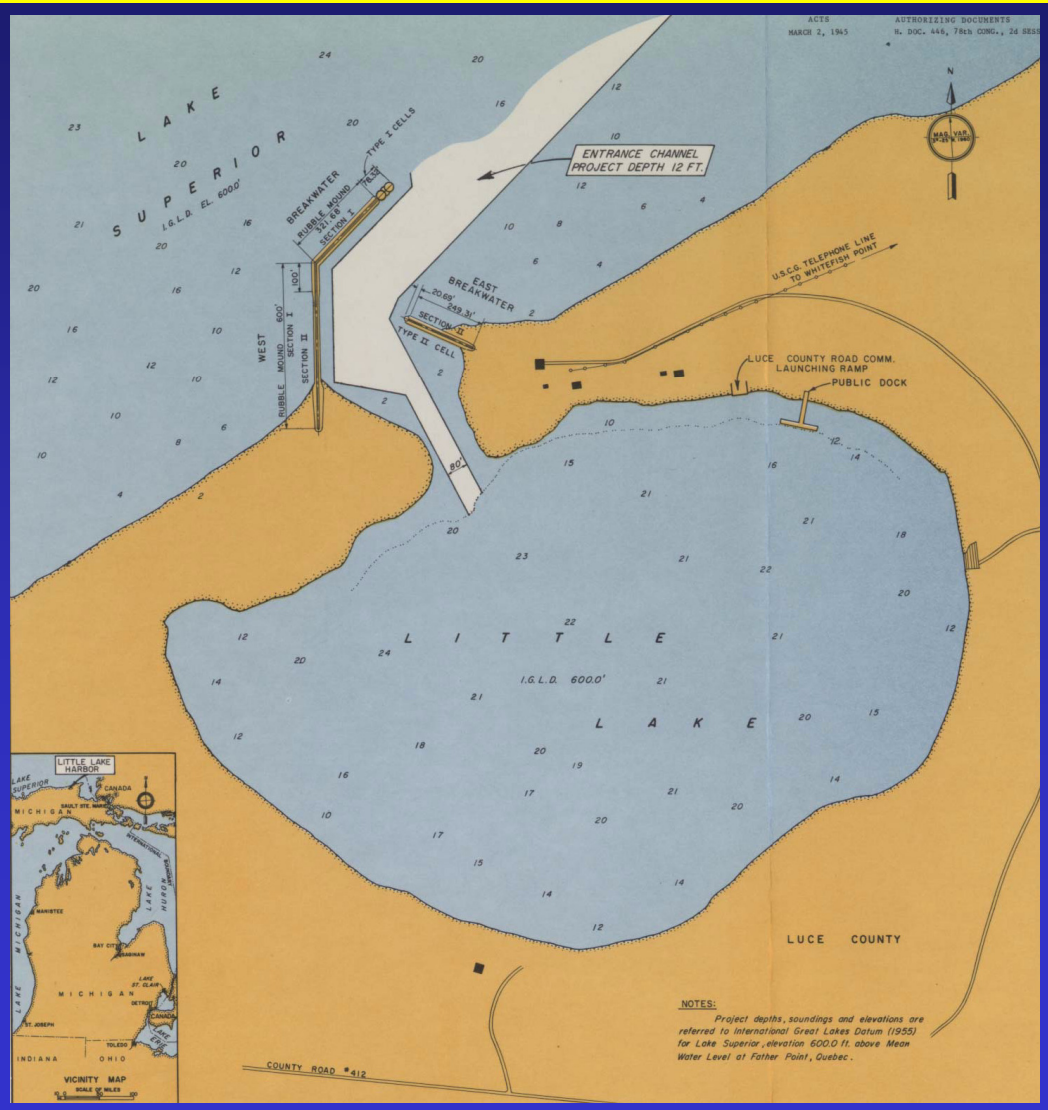
Little Lake Harbor



US Army Corps
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Little Lake Harbor

US Army Corps
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Little Lake Harbor

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Portage Lake Harbor

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Portage Lake Harbor

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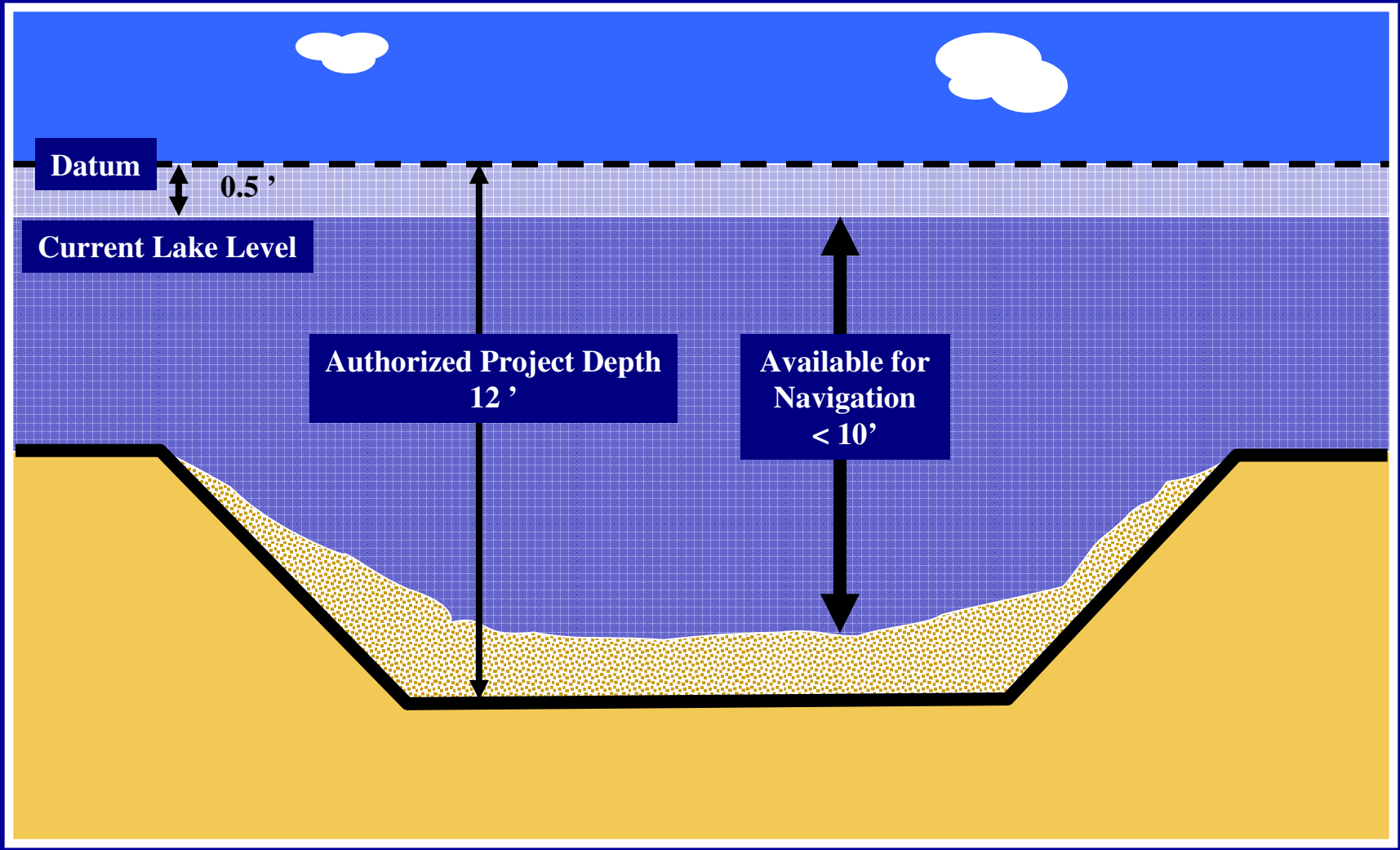
Below Datum w/Dredging Backlog



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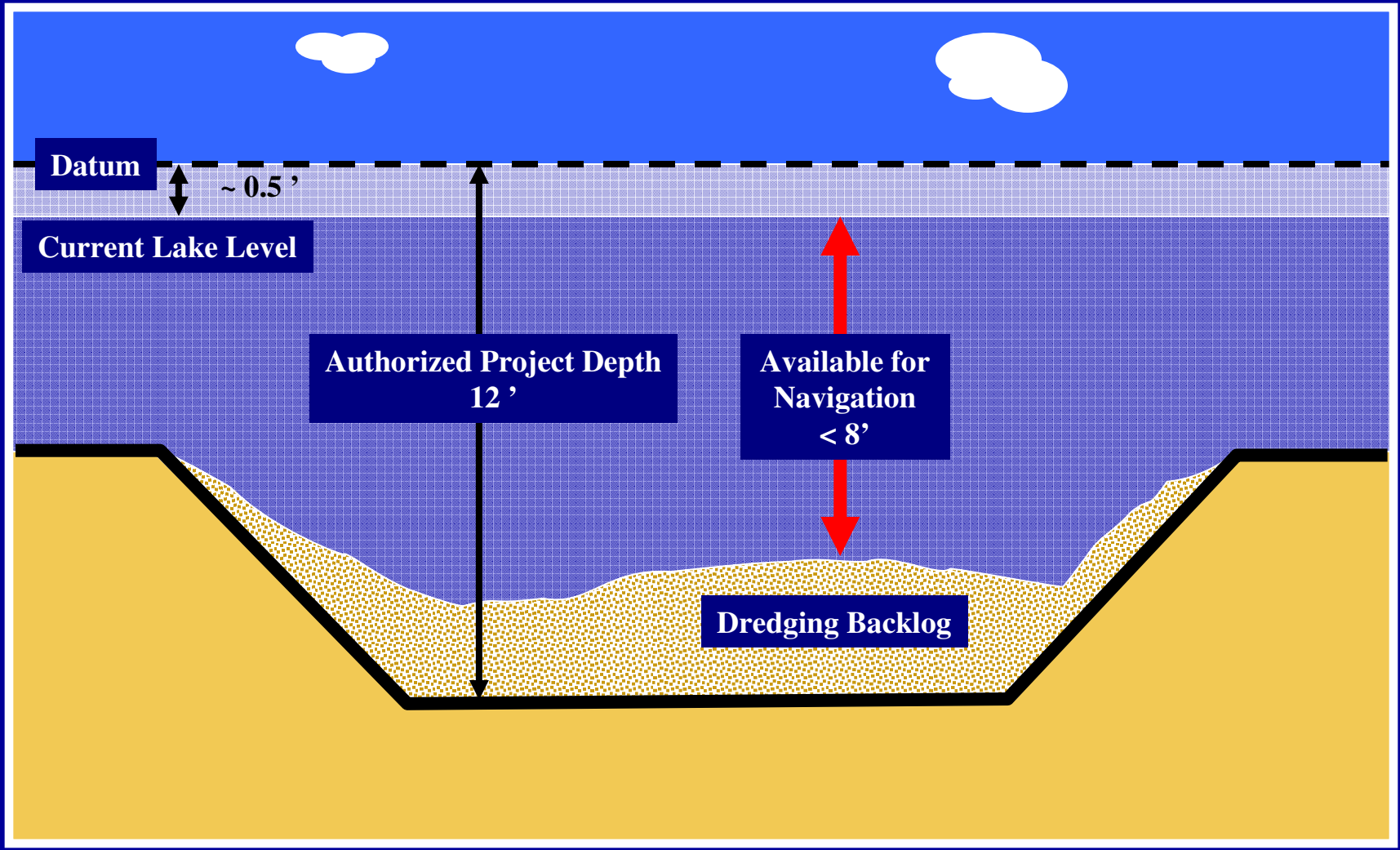

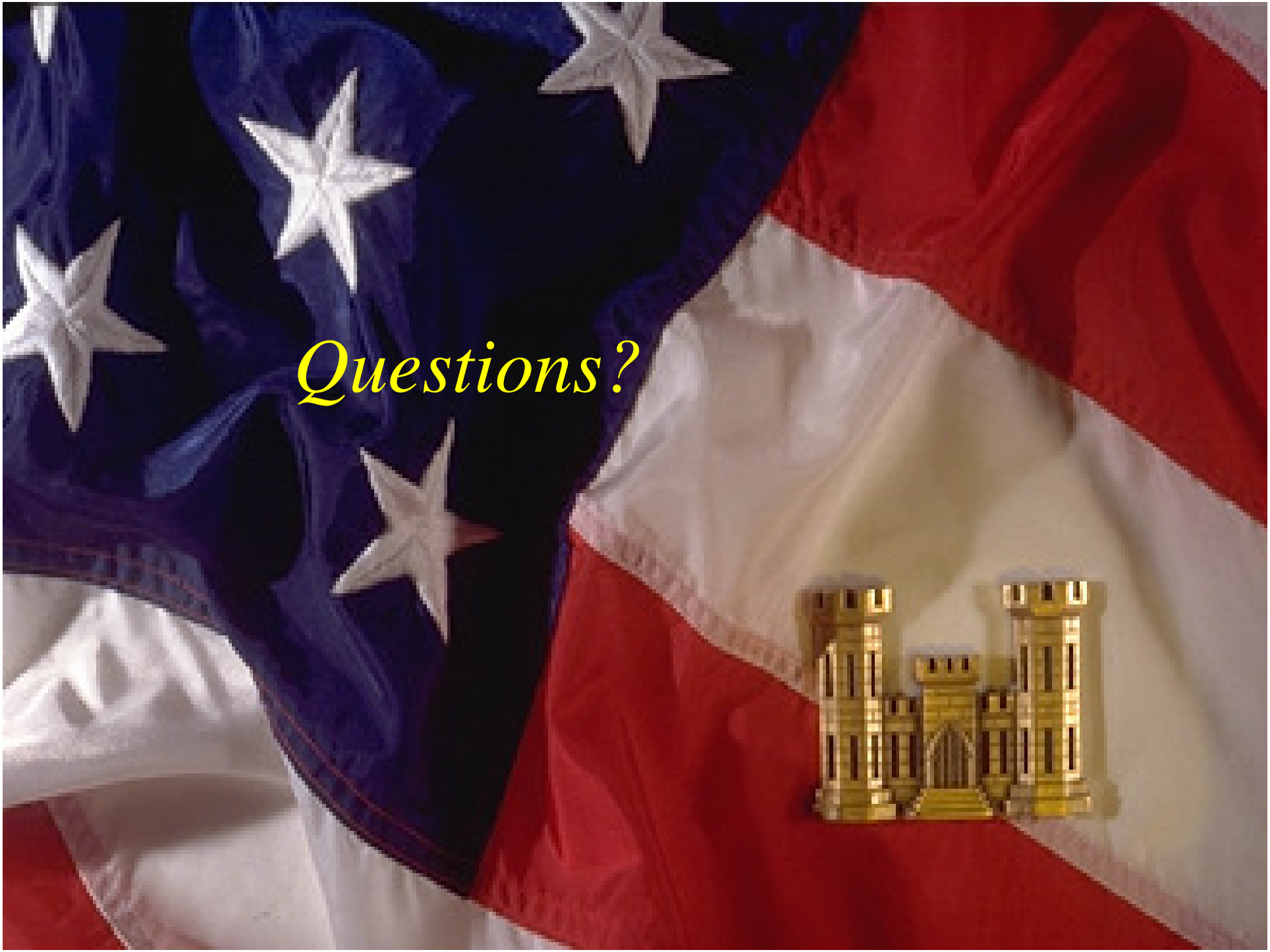
Questions?