CONTAMINATED SEDIMENTS:

PLANNING AHEAD MEANS LESS

$\$$ and Time Out of Your Pocket

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Contaminated Sediments Are $$$
and Time Out of Your Pocket

Especially for remediation projects
(where the choice/control are no longer yours!)

But also for normal port operations (O&M or const)

Virtually all ports and harbors (& USACE!)* have contaminated sediment to manage occasionally

Message: to reduce delays and costs,

**HAVE OPTIONS READY IN ADVANCE!**
Important Questions to Ask

First: Is it really “Contaminated”?  
Evaluate initial test results carefully: 
What “failed” and why?*

Next: Have you ID’d the minimum volume?  
It’s usually worth more characterization cost to 
find least volume needing special management

Then: “Contaminated” for What?  
Unsuitable for one kind of disposal or use is 
often still suitable for other uses
Typical Management Options

?? Forego project entirely or in part, or...

DISPOSAL OPTIONS

$ Dredge and Dispose Nearby:
Confined Aquatic Disposal (Boston, PH*)

$$ Dredge and Dispose Nearby:
Upland/Nearshore CDF (Noyo, Guam DMP*)

$$$ Dredge and Dispose Off Site:
Landfill Disposal (with rehandling) (POO, ECDC)
Typical Management Options

REUSE OPTIONS

$  Dredge and Reuse On Site:
   Construction Fill/Stockpile (POO, POLA/LB, SacSC)

$$  Dredge and Reuse Off Site:
    Habitat Development (POO, Baltimore)

PROCESSING/TREATMENT OPTIONS

$$$  Aim: Reduce Volume/Increase Disposal Options
     (MdR, SC)*
On Site/Nearby Disposal: CDF (Manage!)
Off Site Disposal: EDCD Landfill
On Site/Nearby Disposal: CAD Cells (Finite!)

Boston Harbor CAD Cells
Summer 2001 Survey
On Site Use: Construction & Fill Habitat Restoration
On Site Use: Habitat Restoration (Rehandling!)
Off Site Use: Habitat Restoration
Example of a harbor without a plan...
Thank You!

Questions?

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