Managing dredging operations in Ports – a Harbour Master’s view
WELCOME

ALAN McPHERSON
HARBOUR MASTER
SHIPS & COAL
OVER 60 DRY-DOCKS AND SHIPYARDS ON THE RIVER
UP TO 30 MILLION TONNES OF COAL EXPORTED ANNUALLY
1860-1920
TYNE IMPROVEMENT
COMMISSION DREDGED
150 MILLION TONNES
AND THE RIVER WAS
DEEPENED FROM 6FT TO
30FT
Challenges

Regulatory-
• Licences, Sampling, Dredge Baseline Document

Practical-
• Maintenance Dredging
• Capital Dredging
10 year dredge licence granted in 2013
3 year sampling required (due 2016)
Update the Maintenance dredging baseline document
Screening
Scoping
Sediment sample analysis
Habitats Regulations assessment (HRA)
any other work before you apply (charges attract VAT)
Challenges—Practical

Maintenance dredge
• Scheduling
• Contracts
• Surveying
• Emergencies
Challenges-Practical

Capital dredge
- Scheduling
- Contracts
- Surveying
- Emergencies
ISSUES
Blockage of channel
Transfer of dredge material
Time
ISSUES
Arrival
Plans/Meetings
Nav Notices
Day-to-day
management
ISSUES

Daily works sheet
Maintained a channel with notice
ISSUES

Transfer of material
Transfer of material
Summary
Lots of challenges
Regulatory and practical
Communication and understanding
ANY QUESTIONS?

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