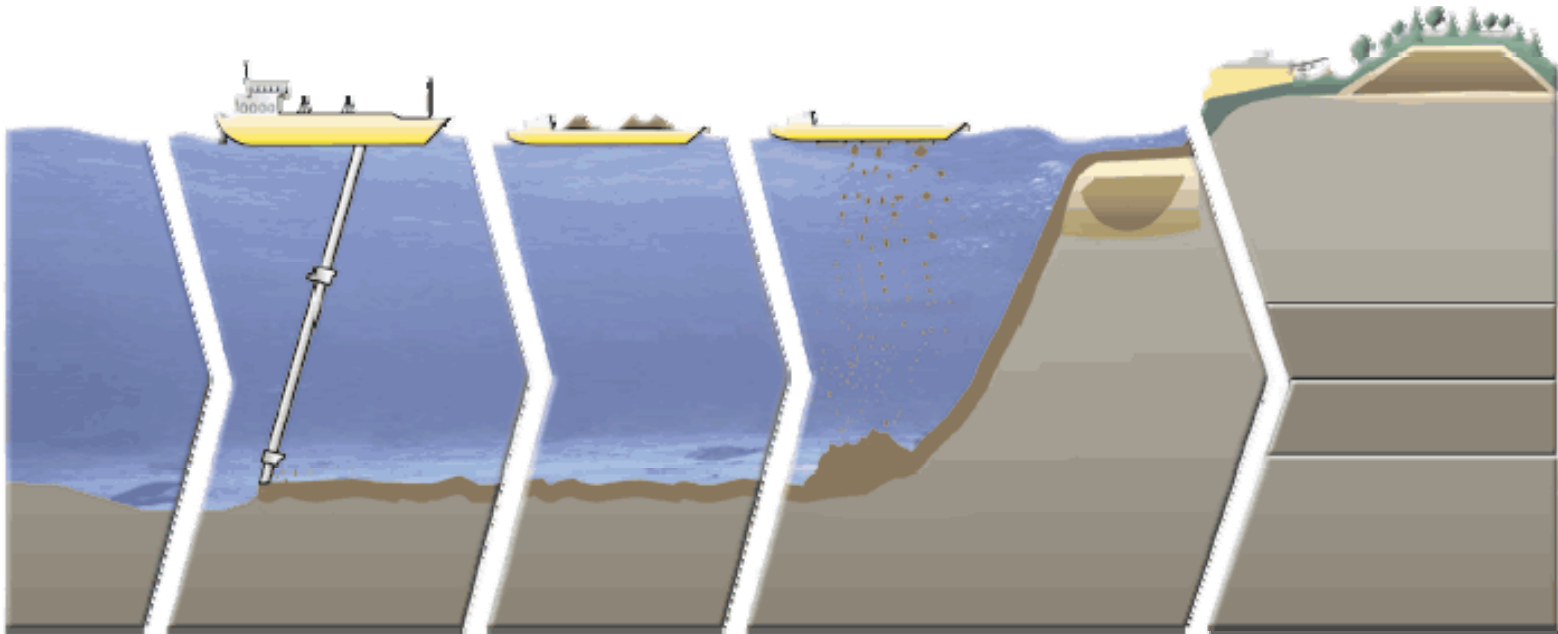


Dredged Material and Waste The German perspective



Axel Netzband
Hamburg Port Authority

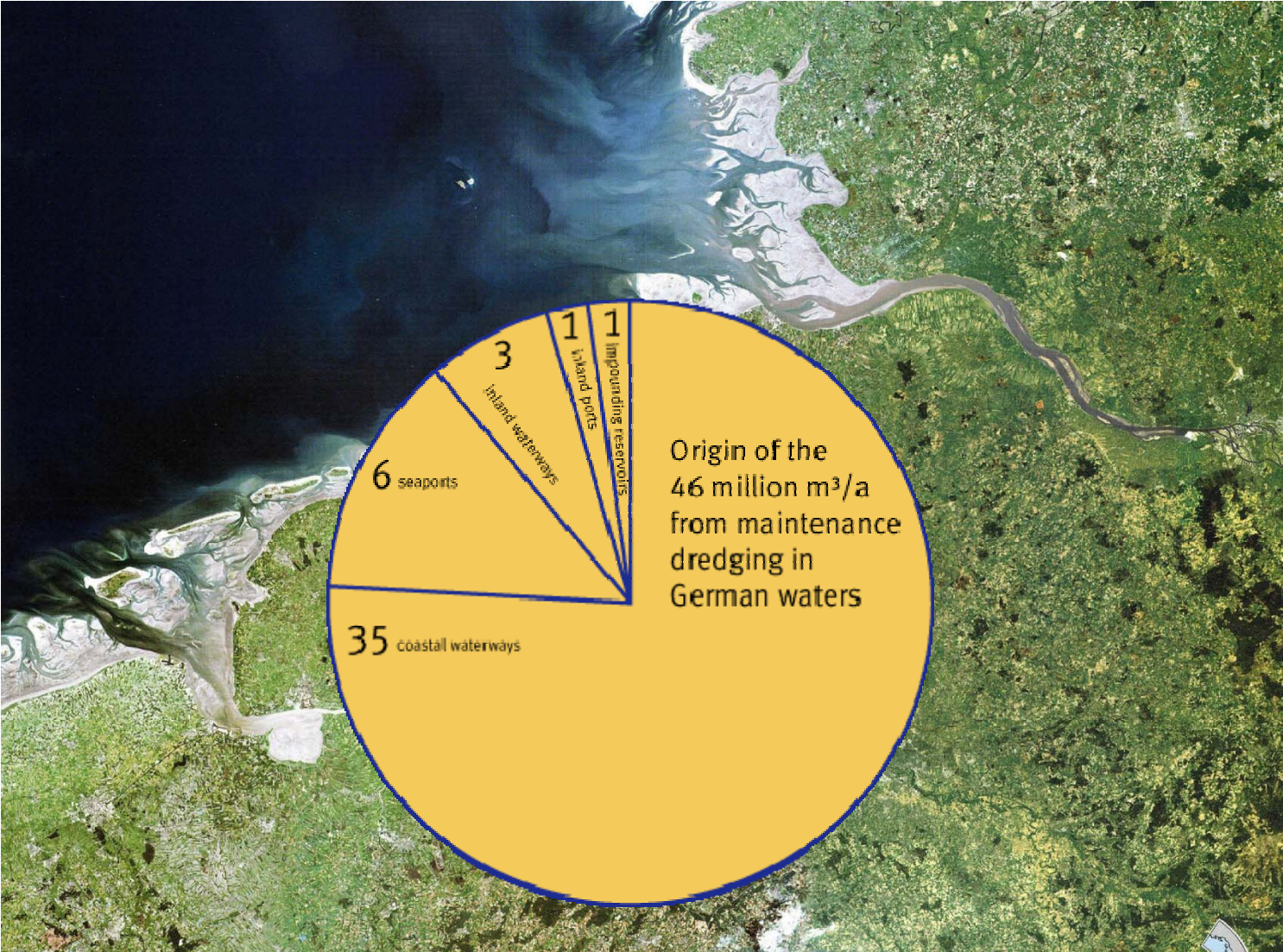
Dredged Material and Management Options



Management in the aquatic system

Land Treatment

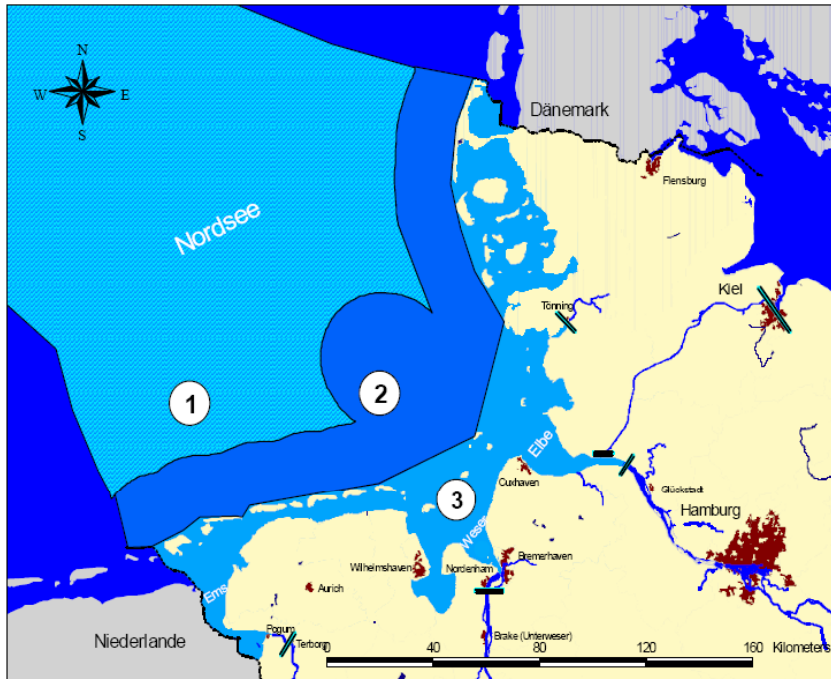
Dredged Material in Germany



German Dredged Material Regulation

Common Transitional Regulation for the Management of Dredged Material in Coastal Waters

August 2009



German Dredged Material Regulation / Content

1. INTRODUCTION
2. SEDIMENTOLOGICAL INVESTIGATION AND EVALUATION
3. EXEMPTIONS
4. CHEMICAL ANALYSIS AND ASSESSMENT
5. BIOLOGICAL STUDIES AND ASSESSMENT
6. IDENTIFICATION OF CONTAMINATION SOURCES
7. PLACEMENT ALTERNATIVES
8. ENVIRONMENTAL IMPACT ASSESSMENT
9. PERMIT
10. PLACEMENT MONITORING
11. REPORTING
12. UPDATE

German Dredged Material Regulation / Assessment

Physical properties

Chemical analysis

- 8 Metals, 11 Organic contaminants
- Nutrients

→ Assessment with a lower and an upper guidance value

Biological testing

- Ecotoxicological testing with 3 organisms
- Benthic community
- Fish biology
- Nutrients and oxygen consumption

→ Expert judgment feeds into EIA

EC Waste Directive / German Transposition

Draft

„Gesetz zur Neuordnung des Kreislaufwirtschafts- und Abfallrechts“
February 2010

Artikel 2 (2):

Die Vorschriften dieses Gesetzes gelten nicht für

12. Sedimente, die zum Zwecke der Bewirtschaftung von Gewässern ... oder zur Landgewinnung innerhalb von Oberflächengewässern umgelagert ~~wurden~~ werden, sofern die Sedimente erwiesenermaßen nicht gefährlich sind.“

EC Waste Directive / German Transposition

Draft of the new German Waste and Reuse Management Law

Article 2 (2)

This directive has not to be applied for

12. Sediments which are to be relocated in open waters for the purpose of water management or land reclamation if it is proven that these sediments are not hazardous.

EC Waste Directive / German Transposition

Draft

„Gesetz zur Neuordnung des Kreislaufwirtschafts- und Abfallrechts“
February 2010

Explanatory Statement:

„... Relocation is a change of location in or on the water. The term “Gewässer” includes waterways. Surface waters are all inland and coastal waters. The hazardousness of sediments is being evaluated solely in the basis of German and European water law. If hazardous sediments are to be relocated both the German Water Law and this law have to be applied.”

[Translation not authorized]

Website information

- www.Dredging-in-Germany.de
- www.BAfG.de
- www.HTG-Baggergut.de
- Dutch-German Exchange on Dredged Material: "Dredged Material and Legislation" (2003) <http://www.htg-baggergut.de/downloads/DGE%20Part%20I%20Legislation.pdf>