

Methods of Response – Inshore Recovery

Safer Lives, Safer Ships, Cleaner Seas

Recovery Devices

Objective

Introduce the operating principles of equipment
for use in inshore oilspill cleanup

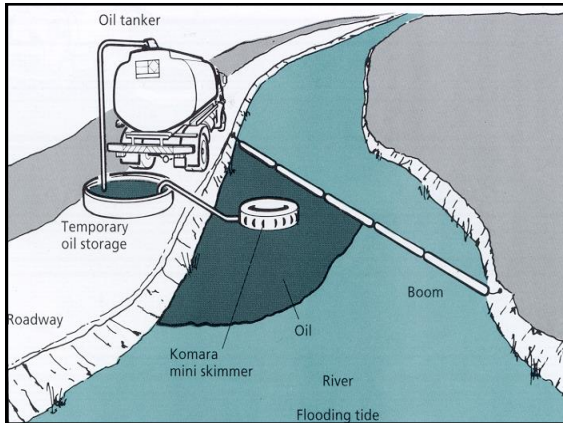
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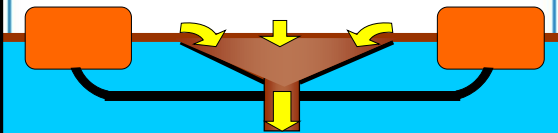
Main Skimmer Types

- Weir
- Oleophilic
- Vacuum
- Mechanical

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Weir Skimmer



Lip of weir is adjusted to be at water surface so that oil flows into skimmer and is pumped away





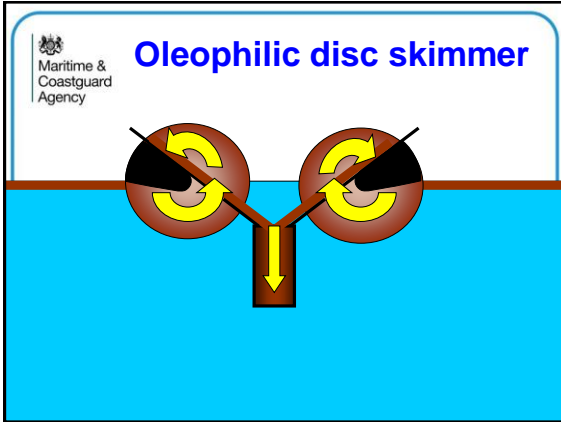


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Oleophilic Skimmers

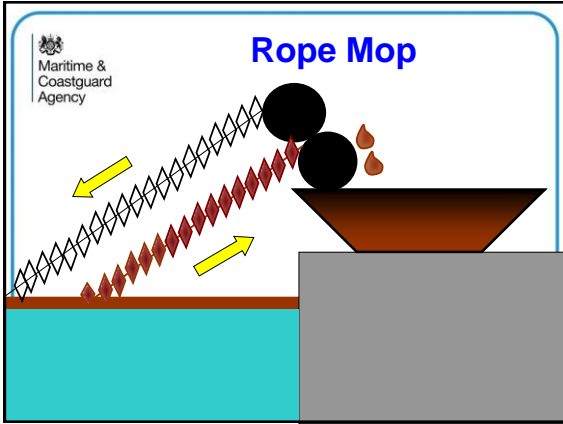
- Disc
- Rope Mop

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Vacuum equipment

- Suction head and Vacuum tanks
- Limitations:
 - Encounter rate – thickness / distance from power pack
 - Oil viscosity
 - Vacuum head

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Mechanical Skimmers

- Belt
- Toothed Disc
- Grab Bucket
- Drum

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SORBENTS


- Natural – Wool, Straw
 - Can collect up to 6 times own weight
 - Biodegradable
 - May sink when saturated
- Synthetic – Polypropylene
 - Can collect up to 25 Times own weight
 - Non degradable
 - Expensive

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Temporary Storage

- Portable Storage Tanks
- Lined Pits
- Fastanks

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