

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



Safer Lives, Safer Ships, Cleaner Seas

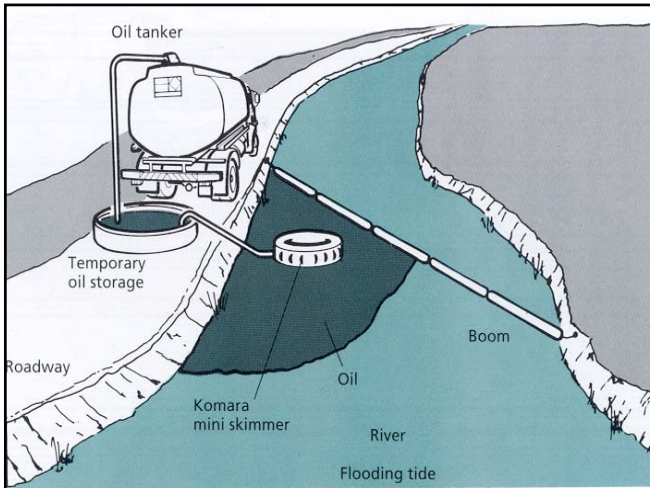


Main Skimmer Types

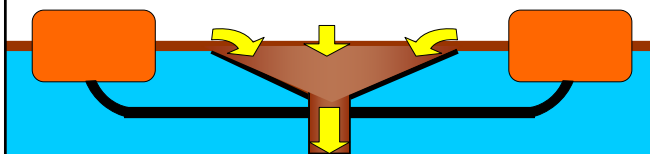
- Weir
- Oleophilic
- Vacuum
- Mechanical



Safer Lives. Safer Ships. Cleaner Seas



Weir Skimmer




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





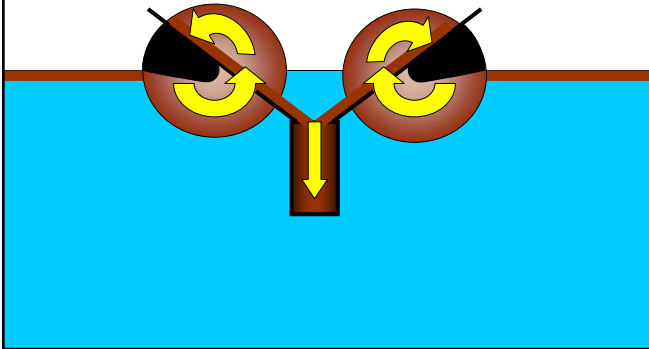
Oleophilic Skimmers

- Disc
- Rope Mop



Safer Lives, Safer Ships, Cleaner Seas

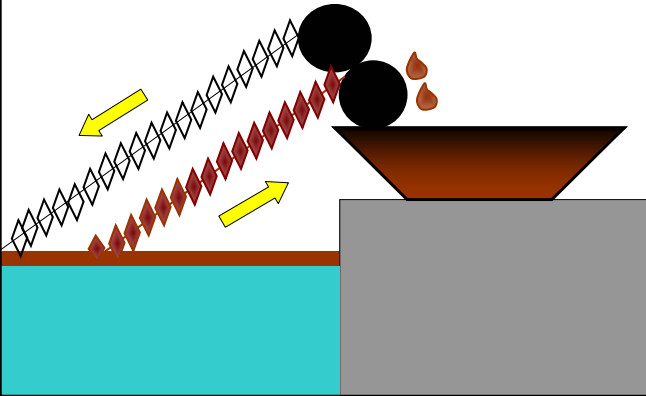
Oleophilic disc skimmer







Rope Mope







Vacuum equipment

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



Safer Lives, Safer Ships, Cleaner Seas











Mechanical Skimmers

- Belt
- Toothed Disc
- Grab Bucket
- Drum



Safer Lives, Safer Ships, Cleaner Seas



SORBENTS

- Natural – Wool, Hair, 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







Temporary Storage

- Portable Storage Tanks
- Lined Pits
- Fastanks



Safer Lives, Safer Ships, Cleaner Seas