





App. 6 Examples of equipment for the storage of oil

PHOTOS OF STORAGE	NAME AND DESCRIPTION
<p>AT SEA</p>	
 <p>source IMO</p>	<p>Floating Storage Units (tanks)</p> <ul style="list-style-type: none"> • Suitable for liquid oil • Varying capacities • Large tanks require substantial towing force • Can be difficult to remove viscous oils
 <p>source IMO</p>	<p>Floating Storage Units (barge)</p> <ul style="list-style-type: none"> • Suitable for liquid oil • Varying capacities • Large tanks require substantial towing force • Can be difficult to remove viscous oils
 <p>source Cedre</p>	<p>Big Bag on barge</p> <ul style="list-style-type: none"> • Suitable for oily macro waste collection • Maintain a large opening and stability
<p>SHORELINE</p>	
 <p>source Cedre</p>	<p>Shoreline recovery pit</p> <ul style="list-style-type: none"> • Suitable for large volume of liquid or when lack of containers • Plastic liner to prevent infiltration and substrate contamination • May require layer of sand to prevent puncture of liner from rocks



source Cedre

Open top collapsible containers with supporting frame (large)

- Suitable for oily waters
- Allow continuous settling and decantation on site
- Treated water can be directly discharged on site
- Minimize volume of oil to be transported and treated



source Cedre

Open top collapsible containers with supporting frame (medium)

- Suitable for liquid oil
- Capacities <math><10\text{m}^3</math>
- Smaller ones can be used on deck of landing craft near shore
- Not moveable when full



source Otra

Open top collapsible container with supporting frame (small)

- Suitable for oily waters collection during clean-up operations like flushing, high pressure cleaning
- Allow continuous settling and decantation on site
- Treated water may be directly discharged on site



source Cedre

Shoreline recovery pillow tanks

- Suitable for liquid oil
- Capacity <math><20\text{ m}^3</math>
- Not transportable when full
- Maybe difficult to remove viscous oil



source Cedre

Metallic drums 200 litres

- Suitable for macro waste soaked with liquid oil
- Holes punched in the drums for evacuation by crane
- Easy to find every where



source Cedre

Tank

- Suitable for liquid oil or macro waste mixed with liquid oil
- Ensure a large opening on top of the tank to help the manual discharge of the tank



source Cedre

Plastic drums with top

- Capacity 1000 litres
- Difficult to handle when full due to lack of handle
- bottom discharge valve needed for liquid




source Cedre

Skips

- Robust containers suitable for storing solid debris and transporting it to disposal sites
- Can be transported by barge or landing craft to remote sites

 <p>source Cedre</p>	<p>Bulk liquid containers with frame (I.B.C.)</p> <ul style="list-style-type: none"> • Suitable for liquid oil • 600 to 1000 litres capacity • Stability • Allows decantation if there is a bottom discharge valve • Top can be cut of and removed for paste and solid wastes collection • Easy to find in all countries
 <p>source Cedre</p>	<p>Open top bins 75 to 150 litres</p> <ul style="list-style-type: none"> • Suitable for manual beach clean-up of oily solid and small debris • Handles allow manual transportation • Easy to find every where
 <p>source Cedre</p>	<p>Small plastic drums</p> <ul style="list-style-type: none"> • Capacity around 60 litres • Tight lid or top • Large opening • Handles to transport from shore
 <p>source Otra</p>	<p>Plastic bags</p> <ul style="list-style-type: none"> • Suitable for manual collection of oily sand and small debris • Easily manhandled when partially full • Consider resistance when filling • Plastic may add to disposal problem
<p>TEMPORARY / INTERMEDIATE STORAGE</p>	

 <p>source Le Floch Dépollution</p>	<p>Containers (20 ft and 40 ft)</p> <ul style="list-style-type: none"> • Possible solution for temporary and intermediate storage* • Fill with watertight drums or bags
LONG TERM STORAGE	
 <p>source Cedre</p>	<p>Long term water tight storage pit</p> <ul style="list-style-type: none"> • Geotextile liners • Layer of sand to avoid puncture by rocks