



PDHonline Course C277 (4 PDH)

Dredging Methods and Equipment

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2020

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Dredging Methods and Equipment

GLOSSARY

TERMS

CALM	Catenary Leg Mooring system used for dredging and transportable.
Consolidation	Describes the effect caused by dewatering and desiccation of dredged material substrates, usually resulting in lessening of volume of the material.
Containment Area	Any site used for the temporary or permanent confinement of dredged material and may or may not have a permanent retaining structure
DPO	Direct pump out from a hopper dredge or scow.
DRP	Dredging Research Program sponsored by USACOE.
Dragline Trenching	Dewatering dredged material by making trenches inside disposal sites with dragline equipment.
Eductors	Hydraulic pump with no moving parts and requires clean water source unlike submersible pumps.
Hydraulic Pipeline	A dredged material discharge pipeline that carries slurry material to the disposal site. It may be floating or positioned on land.
IRI	Indian River Inlet used for testing evaluations of dredging and equipment.
Low Wave Energy	Wave energy with tidal ranges averaging 1 to 2 feet, in areas naturally or artificially protected from the fetches and ship traffic.
Monitoring	The collection of physical, chemical, and environmental data to determine impacts of dredging and dredged material disposal operations.
Ocean Dumping	Disposal of dredged material via barges into designated disposal sites in deep open water.
RUC	Riverine utility craft for use in water and soft mud whose flotation is provided by twin Styrofoam-filled rotors. Useful for dewatering fine-grained dredge material.
Slurry	A term describing the mixture of soil or sediment and water hydraulically dredged and pumped to a disposal site.
Turbidity	Condition in water where high sediment loads cause clouding. May smother aquatic vegetation.