RESERVOIR DREDGING

Reservoirs provide drinking water and power to human populations around the globe. They are also the food source and habitat for many species of plants and animals. Natural erosion, pollution and deforestation all contribute to the clogging of reservoirs with silt and other debris that threatens these resources.

Dredging is a necessary maintenance activity for reservoirs around the globe. The Versi-Dredge and Depth Master are ideal for dams as they are one truck and two truck transportable dredging systems that are easy to mobilize over narrow roads overlooking steep cliffs. In addition they are easy to assemble and launch once they get to the job site. The Versi-Dredge can reach to a maximum depth of 9.1m (30 ft.) and the Depth Master can reach to a maximum depth of 18m (60 ft.). There are many dredges around the world that can reach 18m, but the Versi-Dredge is the only one that has a ladder mounted pump, is self-propelled, and can ship up a narrow mountain road in two sections. Most dredges that dig down to 18m take 4-8 trucks to transport and would be impossible to launch if they can actually make it to the remote reservoir sites.

Whether you need to remove silt from turbines that power a global financial district 10 hours away or you need to remove a floating mat of hyacinths from the dam intake, the Versi-Dredge or Depth Master can solve the problem. The patented IMS WeedMaster cutterhead can easily cut and pump a weed cover up to 1 kilometer away. The Depth Master can clear silt from turbine areas and restore that overall capacity of the reservoir.

Case Studies

- IMS DM-55 Dredger Solves Silt Problem at Xacbal Dam
- 7012 HP Versi-Dredge® Launched on Project at Imperial Dam Funded by US Stimulus
California: A contractor uses an IMS Model 7012 HP Versi-Dredge to deepen Imperial Dam for the US Bureau of Reclamation.

Guatemala: An IMS DM-55 Depth Master performs deep maintenance dredging at the Xacbal Dam in Guatemala. The dam provides a significant amount of power to Guatemala City.

Indonesia: The government uses an IMS Model DM-60 Depth Master to perform maintenance dredging at a reservoir.

Indonesia: The government uses an IMS Model DM-60 Depth Master to perform maintenance dredging at a reservoir.
Nigeria: A Model 7012 HP Versi-Dredge cleans out a reservoir in Nigeria.

Utah: A local irrigation district uses an IMS Model 5012 LP Versi-Dredge to deepen their reservoir.

Videos

- Guatemala Reservoir Dredging:  
  https://www.youtube.com/watch?v=neRn_Y064Tc
- Guatemala Reservoir Dredging (part 2):  
  https://www.youtube.com/watch?v=sf1qh0o2-6g