

# Hagerman Lake Boat Washing Station

Iron County, Michigan. Ottawa National Forest.

Completed November 2012.

Funded by the Great Lakes Restoration Initiative.

Designed by [Chequamegon Bay Engineering](#).

Built by [Opcon](#) General Contractor.



## Specs

- Site already had a nearby well and electric service.
- 1,650 gallon underground tank (Michigan DEQ would not permit ground discharge). When the tank is full the pump is shut down and an alarm sounds.
- 8' X 16' shed, including a pump room and a storage room (lawn mower for picnic area)
- 5 HP 1-phase motor runs a pump that provides 4 GPM flow at 1500-2000 PSI, unheated.
- Cost for a septic service to empty tank is \$140. So far it fills with rainwater and wash water every 4-6 weeks.

## Costs

Design (two stations: Black River Harbor and Hagerman Lake)	\$29,211.25
Construction	\$43,455.24
<b>Total</b>	<b>\$72,666.49</b>