



BAY CITY STATE
RECREATION AREA

MUCK MANAGEMENT
UNCENSORED

MUCK WHAT IS IT?



WHERE DOES IT COME FROM?

- ALGAE BLOOMS
- NUTRIENTS IN THE WATER
- PHOSPHORUS
- NATURAL SHALLOW WATER BAY
- WIND ACTION
- WAVE ACTION



HOW LONG HAS IT BEEN HERE?



Bay City State Park

Photo by John Penrod



IS THE MUCK SAFE?

BEACH MUCK

WHAT YOU SHOULD KNOW

Due to recent and excessive algal growth, detritus or “muck,” has covered the shoreline in parts of the Great Lakes, including Saginaw Bay. Perceptions of increases in muck formation and sediment along the beaches in Bay and Huron Counties have resulted in great concern among the public, especially local homeowners. In addition, preliminary testing of the material in Huron County has detected fecal indicators, including *E. coli*, which also has resulted in public concerns related to the potential human health implications of contact with the materials.

Until the exact nature of the debris (muck) that is causing concern is identified, the Bay County Health Department advises the following:

- Limit your contact with the muck and never ingest (swallow) it.
- Special precaution should be used with small children to ensure they do not ingest it.
- If you have open sores and wounds, you should avoid the “muck” areas altogether.
- Always wash with soap and water if you do come in contact with the muck. This is especially true for persons with open sores, wounds and small children.

For more information on Beach Muck in the Saginaw Bay or other recreational water illnesses, please visit the Bay County website at www.baycounty-mi.gov



RICHARD VAN NOSTRAND

Swimming anyone?

It's almost the Fourth of July, and that means it's time for the "Bombardier." The Bombardier in this case is the equipment piloted by Bay City State Park ranger John Mazer, above, that uses an eight-foot blade to bulldoze algae and sediment from the swimming beach area of the park as two early-season sun bathers look on. Park officials said workers were delayed this year in removing the annual pile-up of the muck because of equipment failure, but the beach should be cleaned up in time for the holiday invasion of campers and sunbathers. The muck will be dried out and later used as fill for low areas in and around the park, officials said.

1967















































Please **HELP!**

**Prevent the spread of
aquatic invasive species
plants and animals**



ZEBRA MUSSEL



ROUND GOBY



EURASIAN WATERMILFOIL

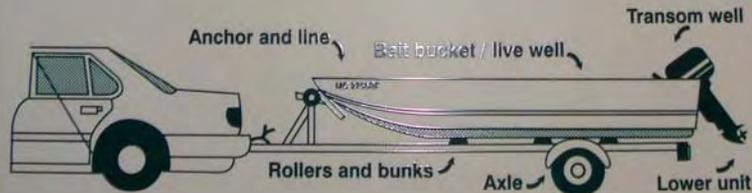


RUFFE

Before launching...and before leaving:

- REMOVE aquatic plants and animals
- DRAIN lake or river water from boat / personal watercraft, bilge compartments and live wells
- DISPOSE of live bait in the trash

Where to look for invasive species:



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INVASIVE SPECIES

- ZEBRA MUSSELS
- ALLOW WATER TO PENETRATE TO THE LAKE BOTTOM.
- FIRST DISCOVERED IN THE GREAT LAKES IN 1988.





POSSIBLE ALTERNATIVES



- MUCK SUCKING MACHINE
- WEED HARVESTERS
- ALGAE NETS

“A good idea implemented today is better than a great idea implemented tomorrow”



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