



Aquatic Characteristic: Clay Substrates

Description

Clay substrates are predominately composed of natural earthy material which is plastic when wet, and consists essentially of hydrated silicates of aluminum, less than 4µm.

General Condition of Feature

No data available.

Associated Species of Greatest Conservation Need

CRAYFISH

devil crawfish (*Cambarus diogenes*)

FISH

shortjaw cisco (*Coregonus zenithicus*)

Associated Threats (no threats were discussed in workshops)

- No data available

Conservation Actions Needed (Threats addressed)

- No data available

Research and Survey Needs

- Determine life history requirements for SGCN associated with clay substrates, especially crayfish
- Determine the distribution of clay substrates and its condition in the Lake Superior basin
- Determine severity of threats to clay substrates
- Determine the conservation actions needed
- Determine additional research needs
- Determine additional monitoring needs
- Survey erosion sites within watershed and develop strategies to address problems

Monitoring

- Clay mining
- Dredging and channelization
- Erosion sites
- Hydrologic flow