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Grand Lake St. Marys Restoration Goals

- To reduce harmful algae blooms
- To insure safe water-based recreation
- To reduce fish kills
- To reduce external nutrient loadings
GLSM Alum Project Workgroup

Scott Fletcher, Ohio State Parks
Brian Miller, Grand Lake State Park
Rick Wilson, Ohio EPA
Russ Gibson, Ohio EPA
Dan Glomski, Ohio EPA

Tom Davenport, USEPA Region 5
Paul Thomas, USEPA Region 5

Kevin Kratt—Tetratech Inc.
Harry Gibbons PhD—Tetratech Inc.
What is Alum and Why use it?

• Alum is aluminum sulphate. The aluminum binds chemically with phosphorus and makes it unavailable to algae.

• Alum is safely used by nearly all drinking water treatment systems.

• More than 150 lakes successfully treated with alum since 1964.
Alum Demonstration Project

• Scheduled for week of September 20th
• Managed by the Ohio State Parks
• Funded by a grant from Ohio EPA
• Technical Support by US EPA via Tetratech
• 6 demonstration sites totaling 54 acres
What can we expect?
Water condition 10 minutes after alum treatment

(Photo for illustrative purpose; not GLSM)