







CAMP MIAKONDA RESTORATION PROJECT

Partners for Clean Streams

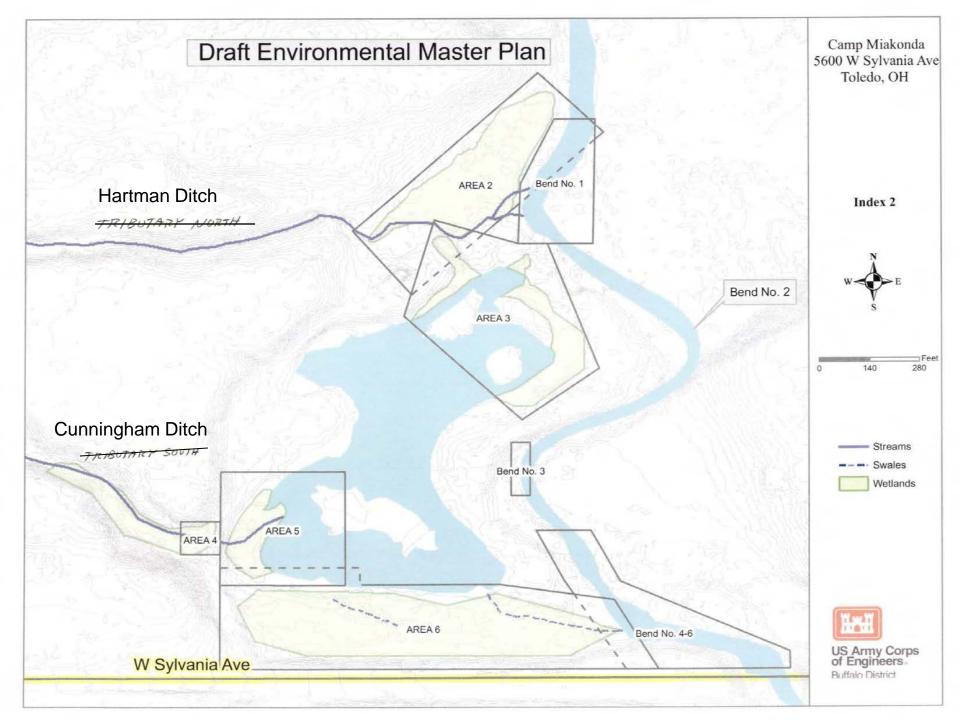
Kristina Patterson – Executive Director

Kyle Spicer – Project Coordinator

CAMP MIAKONDA & OTTAWA RIVER RESTORATION



- ▶ \$1.36 Million GLRI grant from US EPA
 - > 3 year duration
- Restore/enhance approx. 10 acres & approx. 30 acres associated wetlands.
- Reduce erosion & stream bank restoration from 1,200' adjacent Ottawa River
- Increase in-stream habitat for fish and macro invertebrates
- Increase diversity of in-water habitat for Lake
 Sawyer, allowing fish to winter over and encourage
 more active use of Lake Sawyer by Scouts
- Support educational use of wetland, lake, river, and upland habitat
- Contribute to BUI (Beneficial Use Impairment) goals and improvements for BUI 14 Loss of Fish and Wildlife & BUI 3 Degradation of Fish and Wildlife Habitat

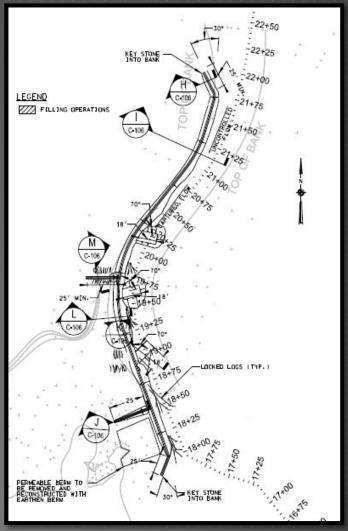




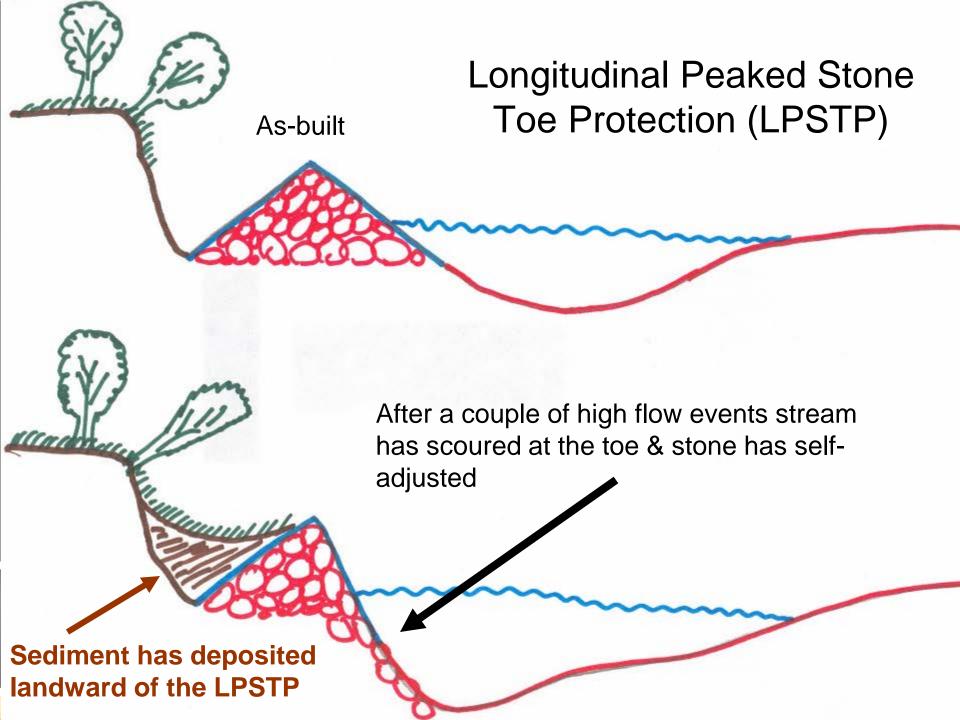
OTTAWA RIVER BEND #I - CAMP MIAKONDA

- Identified as a priority item from Inventory Plan.
- Stream bank stabilization & erosion control methods.
 - Bank erosion on Lake Saywer side were rapidly decreasing the amount of land between the two bodies of water.
- ► Numerous "Derrick" improvements.
 - ► Longitudinal Peaked Stone Toe Protection (LPSTP)
 - Bendway Weirs
 - Locked Logs
 - Live Siltation & Living Dykes

Ottawa River Draft Plans









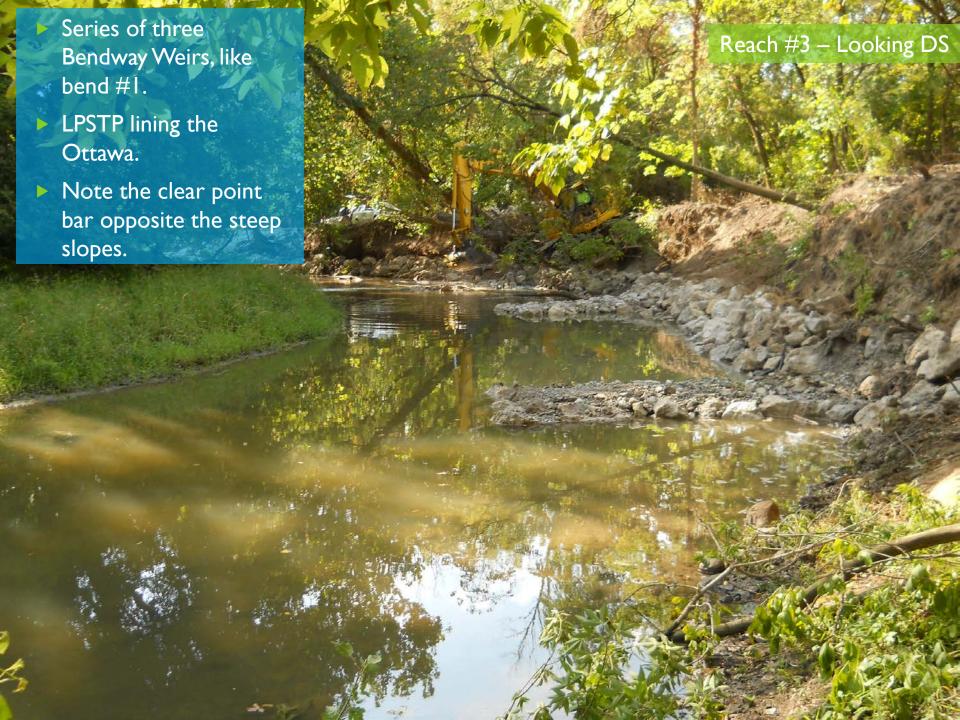






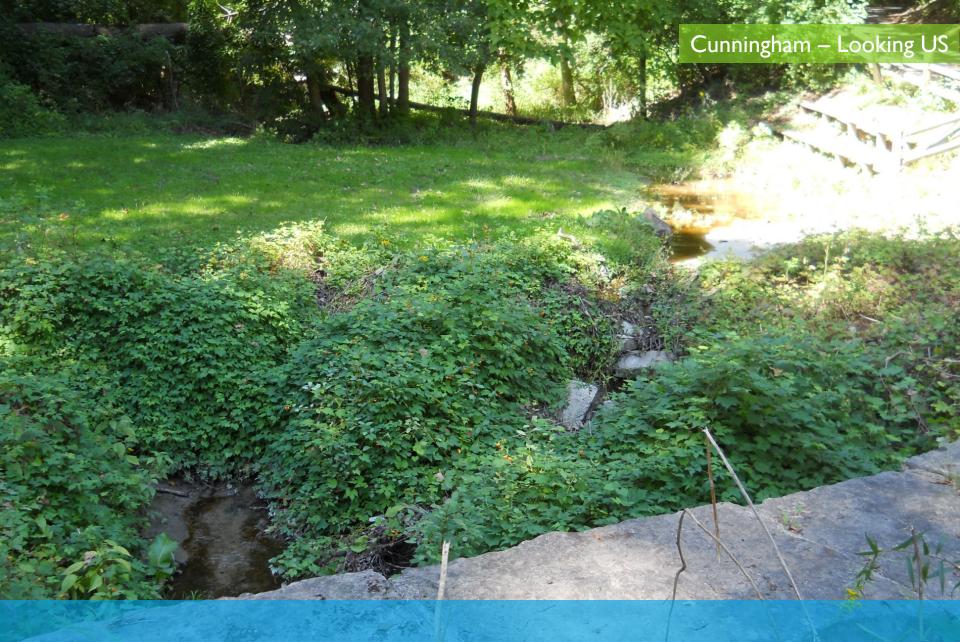


OTTAWA RIVER BEND #3 – CAMP MIAKONDA







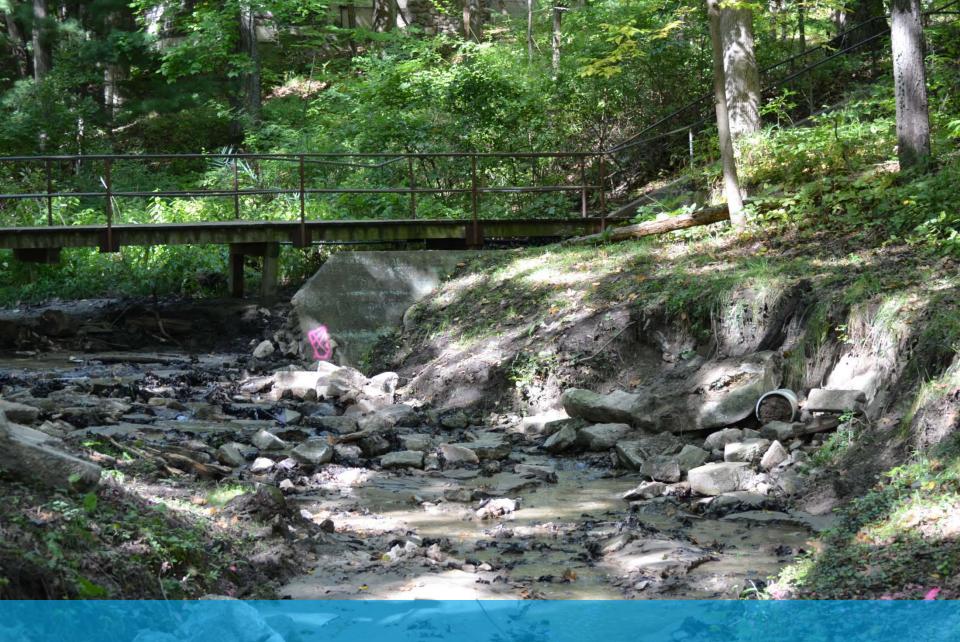


CUNNINGHAM DITCH – CAMP MIAKONDA









HARTMAN DITCH – CAMP MIAKONDA











WETLAND "A" – CAMP MIAKONDA



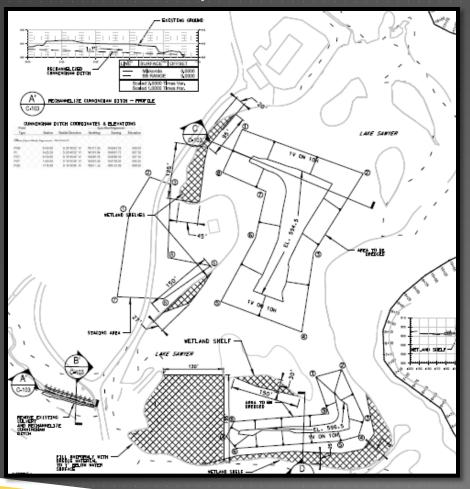






LAKE SAWYER – CAMP MIAKONDA

Lake Sawyer Draft Plans



- ► Hand-dug lake 70 years ago as WPA project.
- Ottawa floods frequently into the lake.
 - 2ft deep across.
 - Cherie walked across it.
- Wetland shelves to be installed.
- Excavated locations determined.

















What's Next?

- Monitoring, assessment, & evaluations continue through next year.
- Expand educational opportunities for Boy Scouts and the public.
 - Informational signage/kiosks.
 - Program expansion & cooperation.
- Create and present the BSA with a management plan.
 - Little time commitment is necessary.
- Adaptive management: plant survivability, structure maintenance, invasive species management.

