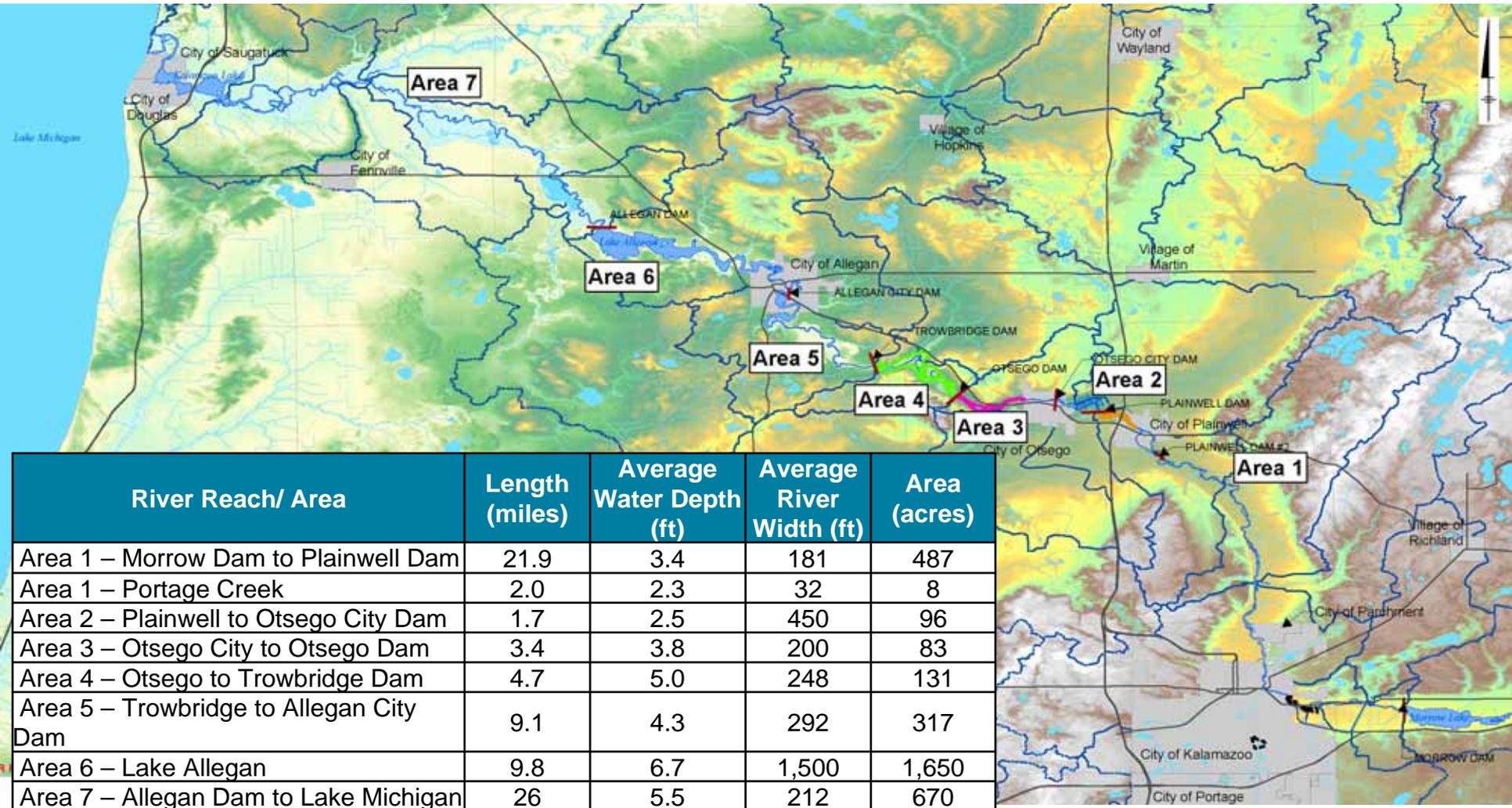




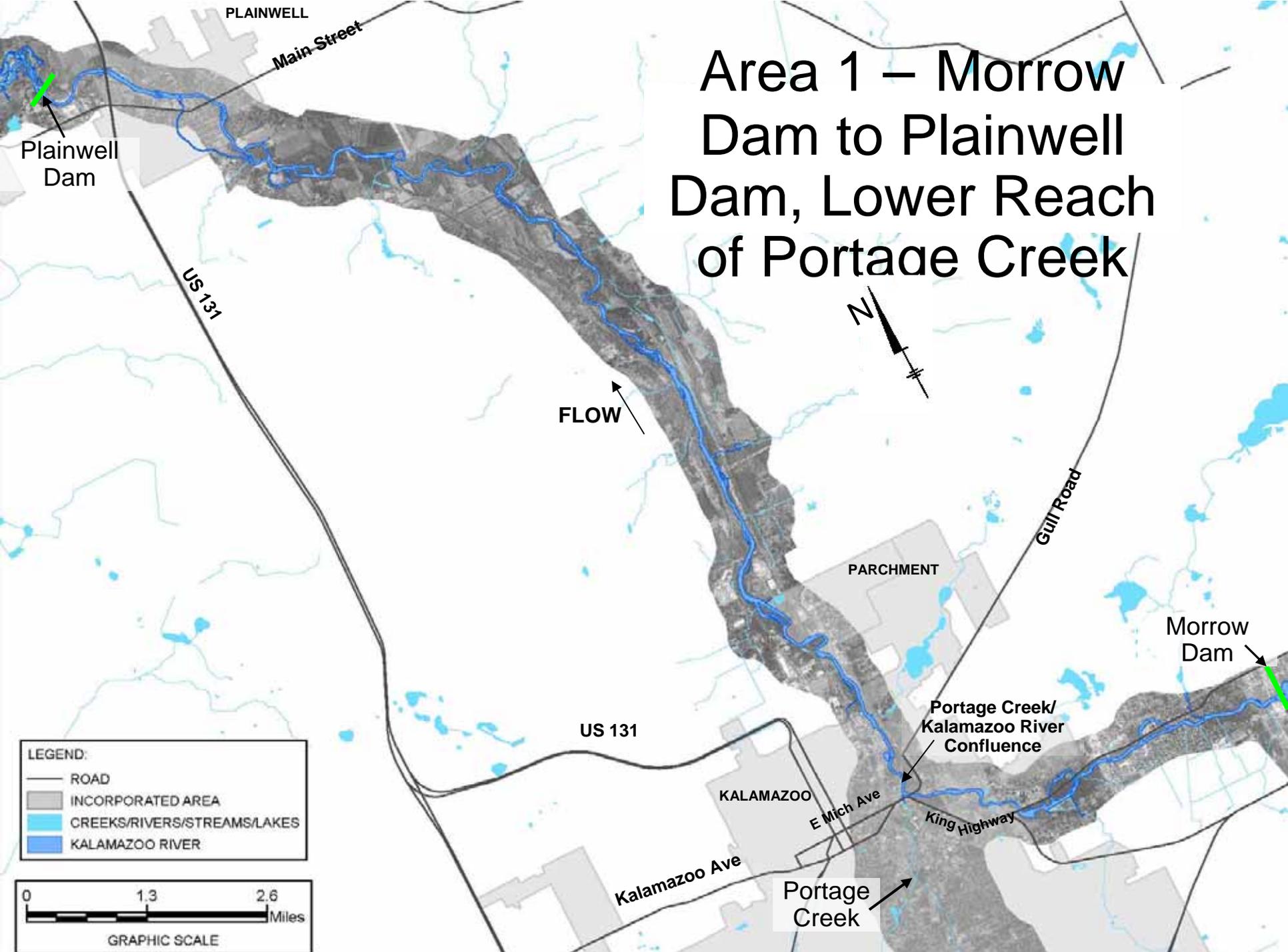
Supplemental Remedial Investigations/Feasibility Studies



Areas of Operable Unit 5 (The River and Portage Creek)



Area 1 – Morrow Dam to Plainwell Dam, Lower Reach of Portage Creek



Area 1 SRI Objectives

- Document current PCB levels in sediment
- Assess the size and characteristics of sediment “hot spots”
- Characterize PCB concentrations in discrete river sections (urban areas near Kalamazoo, Portage Creek, Plainwell)
- Assess potential human health and ecological risks
- Assess the pertinent effects of the Plainwell Time-Critical Removal Action (TCRA)



Area 1 Supplemental Sampling: Phase 1 September through December 2007



- Supplemental soil and sediment sampling and analysis efforts in Area 1 included:
- collecting more than 40 new surface samples and 180 new cores
 - analyzing approximately 400 samples for PCB

Area 1/Phase 1

Activities Completed in 2007

- **Mayor's Riverfront Park to Crown Vantage**
 - Surface sediment sampling
 - Sediment probing and core collection
- **Plainwell No. 2 Dam to Mill Race Confluence**
 - Surface sediment sampling
 - Top of bank soil sampling
 - Sediment probing and core collection
 - Focused sample location reconnaissance
- **Crown Vantage Area**
 - Reconnaissance of low-lying areas
 - Sediment probing in side channel
- **Plainwell No. 2 Dam Area**
 - Historic inundation area reconnaissance



Area 1/Phase 1 Activities Completed in 2007 (cont'd)

- **Portage Creek**
 - Sediment probing
 - Assessment of 100-year floodplain boundaries
- **Plainwell Time Critical Removal Action Effectiveness Monitoring**
 - Upstream and downstream surface water sampling
 - Yearling smallmouth bass sampling in Otsego City Impoundment
 - Bathymetric survey in Plainwell Impoundment
 - Post-construction surface sediment sampling in 2007 removal areas



Portage Creek



Upstream Portion of TCRA Area



TCRA Water Control Structure

Area 1 Supplemental Sampling: Path Forward

- Review Phase 1 data with KRSG, U.S. EPA and MDEQ
- Define Phase 2 sampling activities based on the Phase 1 results
- Conduct Phase 2 sampling in spring/early summer 2008



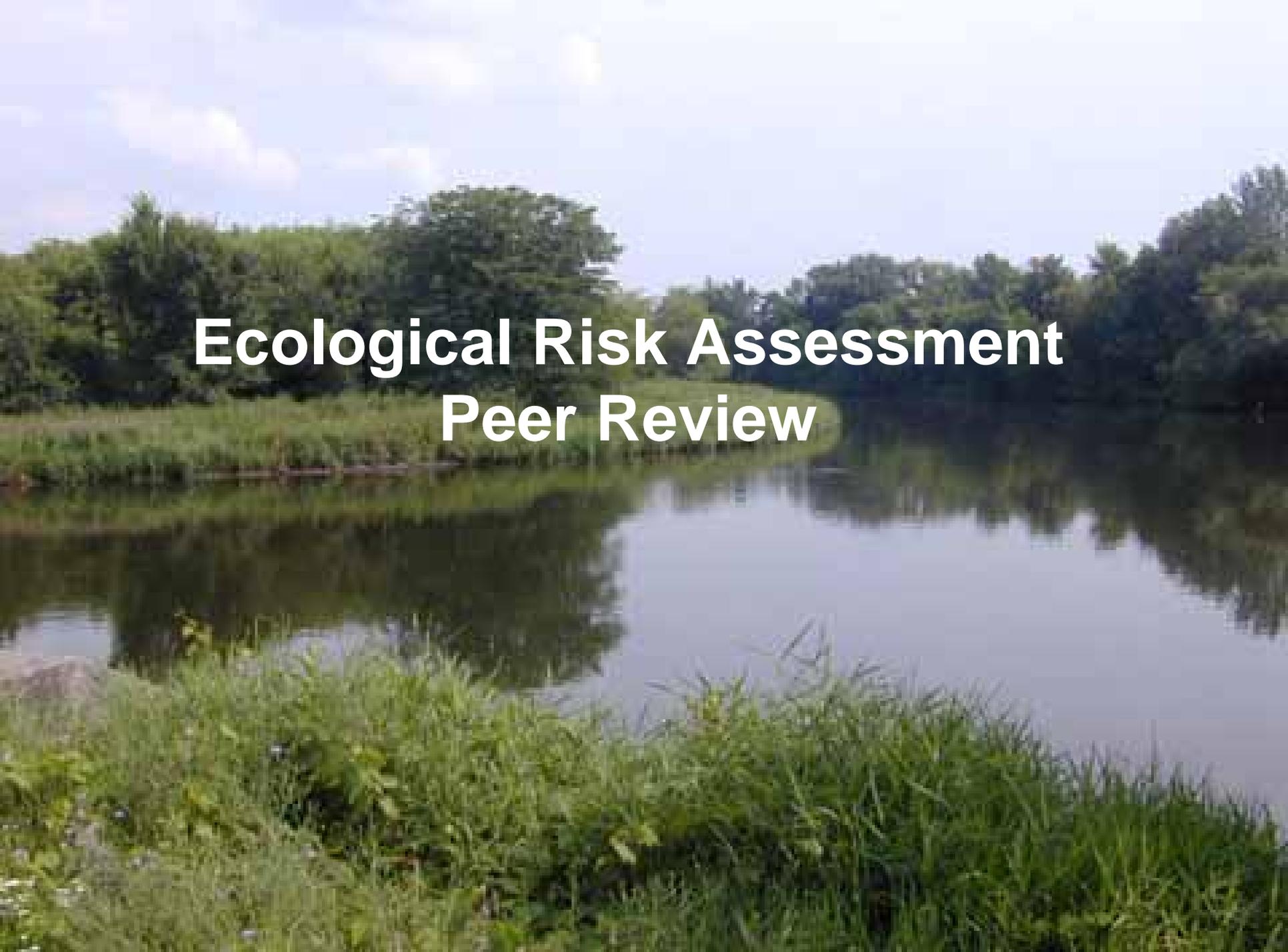
Probing a sediment location
along the Kalamazoo River



Collecting a river bank
soil sample



Measuring a sediment core
collected from the river

A scenic view of a pond surrounded by lush green trees and grasses under a blue sky with light clouds. The text is overlaid on the center of the image.

Ecological Risk Assessment Peer Review

Ecological Risk Assessment Peer Review

- February 21, 2007 Administrative Settlement Agreement and Order on Consent (AOC) negotiated requirement between U.S. EPA and the Kalamazoo River Study Group (KRSG)
- Conduct a peer review of ecological studies performed to date with respect to floodplain soils.
- The primary goal of the peer review panel is to assess the quality and relevance of ecological studies conducted by Michigan State University researchers as additional information for evaluating site-specific risk assessments and for supporting risk management decisions.

Ecological Risk Assessment Peer Review

- Process Consistent with U.S. EPA Science Council's January 2006 Peer Review Handbook
- Peer Review Manager: Dr. Kenneth Dickson, Regents Professor of Biological Sciences, University of North Texas
- Seven Peer Review panel members
- Currently developing charge questions and finalizing schedule for Peer Review panel
- Peer Review Panel to work independently
- Peer Review Panel to develop a consensus report to be presented to EPA, KRSG and Public (December 2008)
- Results of Peer Review panel report to be used in future risk assessment report development and assist in decision-making