

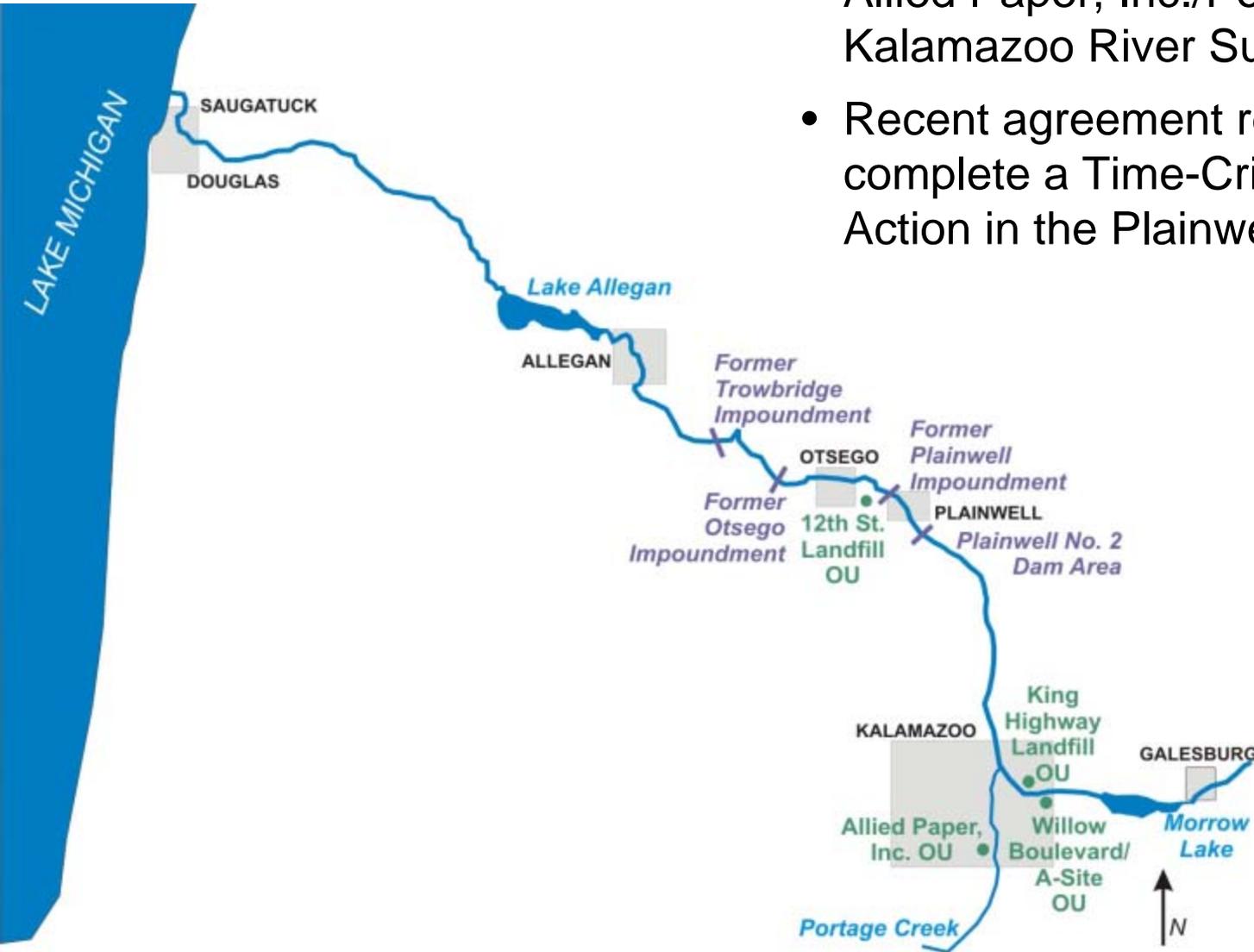


Kalamazoo River Superfund Site Plainwell No. 2 Dam Area Project Update

July 14, 2009

Overview

- Plainwell No. 2 Dam Area is part of the Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
- Recent agreement reached to complete a Time-Critical Removal Action in the Plainwell No. 2 Dam Area



Plainwell No. 2 Dam Area



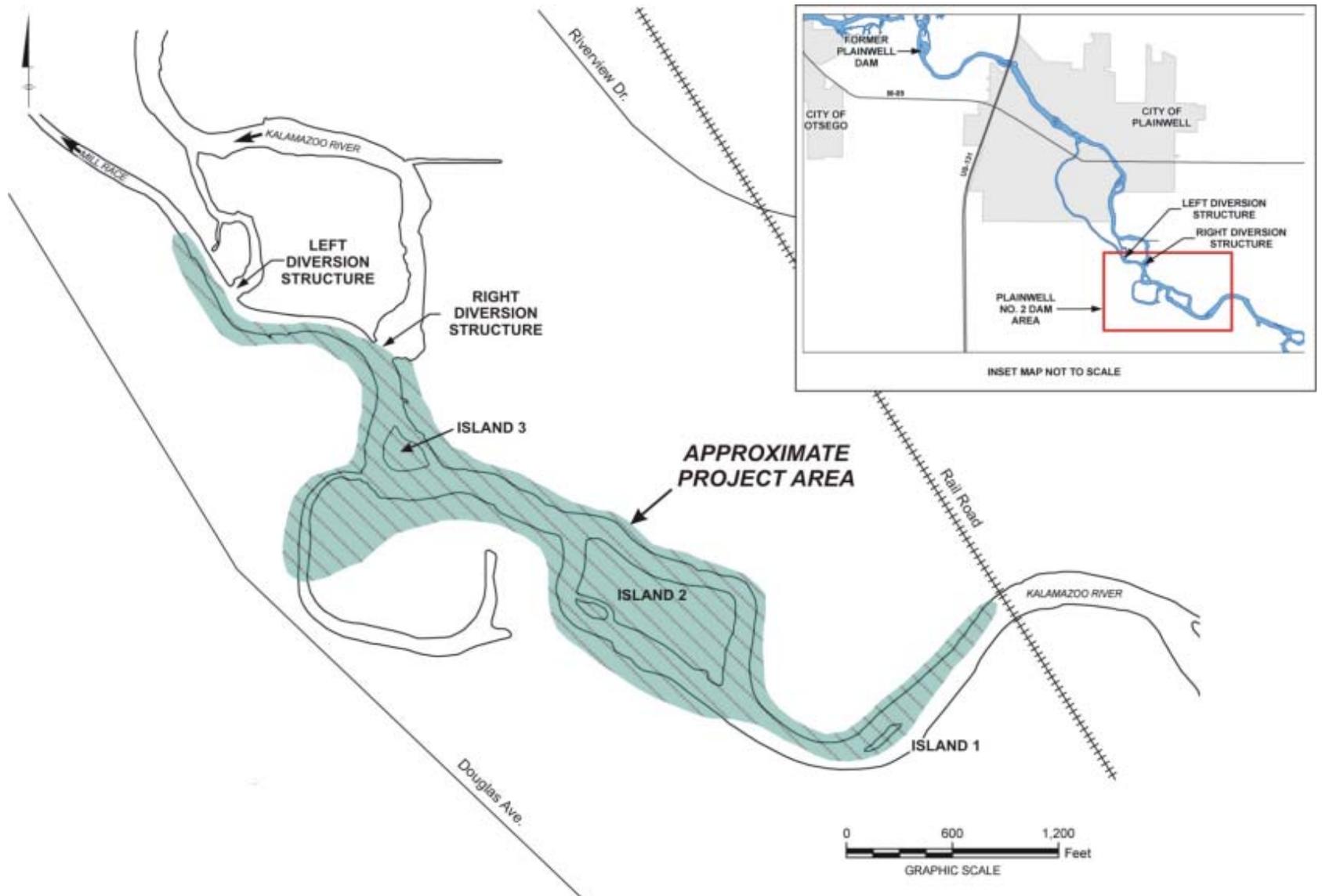
- Plainwell No. 2 Dam is four separate structures built in 1856 to divert portion of river flow through Mill Race – gives the “Island City” its name
- Structures did not create an impoundment, but altered flooding characteristics in the upstream area
- Sampled as part of Supplemental Remedial Investigations in Area 1
- Based on investigation findings, KRSG proposed a removal action



Plainwell No. 2 Dam Area Removal Action

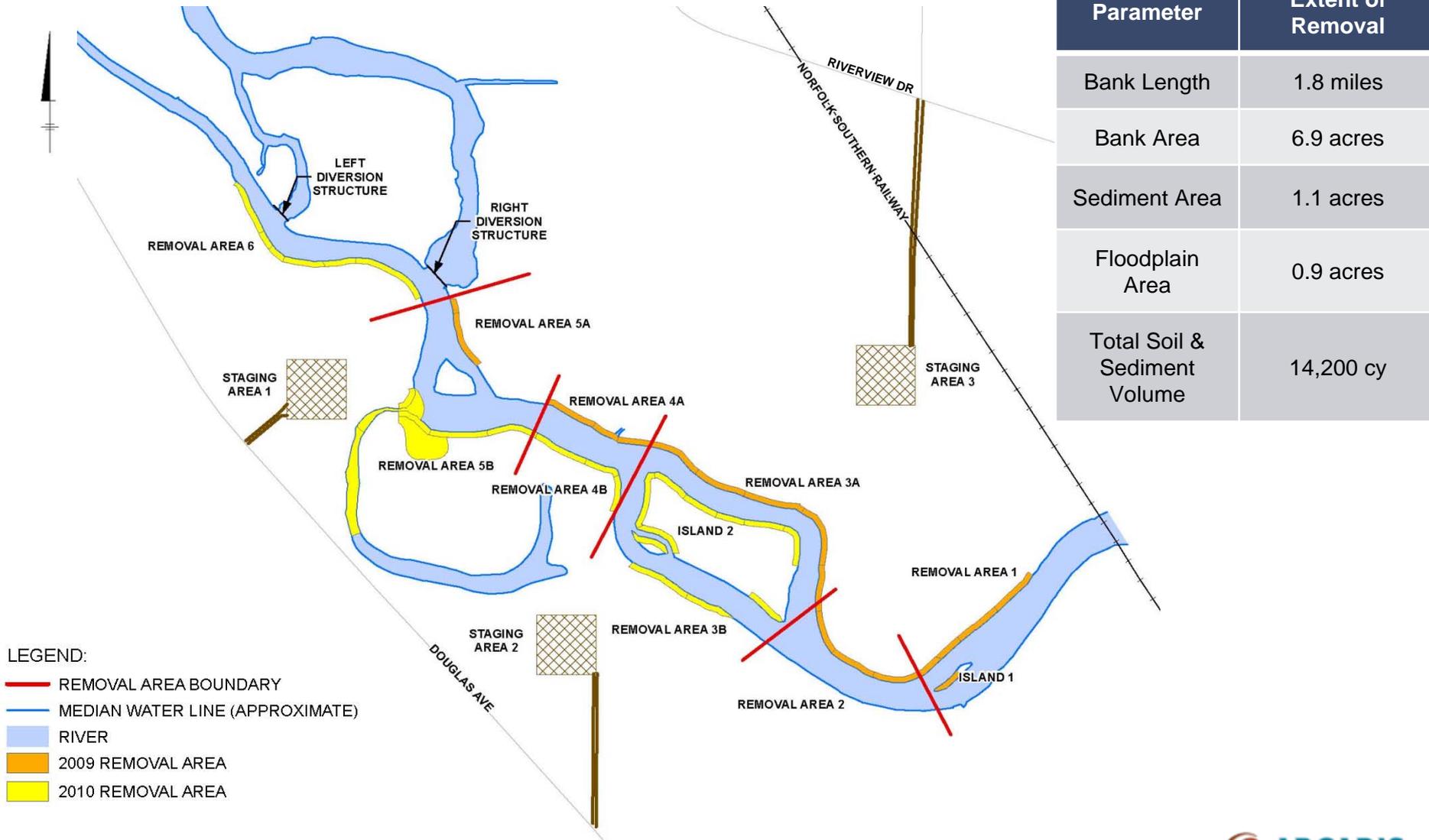
- Modeled after successful former Plainwell Impoundment project
- Goals of the project are to:
 - Stabilize and restore targeted sections of river bank
 - Targeted sediment removal
 - Targeted area of floodplain soils
- Dam structures will remain in place
- Anticipated to start August 2009, end October 2010
- Post-removal bank monitoring and maintenance

Plainwell No. 2 Dam Project Area



Plainwell No. 2 Dam Area Project

Targeted Removal Areas



LEGEND:

- REMOVAL AREA BOUNDARY
- MEDIAN WATER LINE (APPROXIMATE)
- RIVER
- 2009 REMOVAL AREA
- 2010 REMOVAL AREA



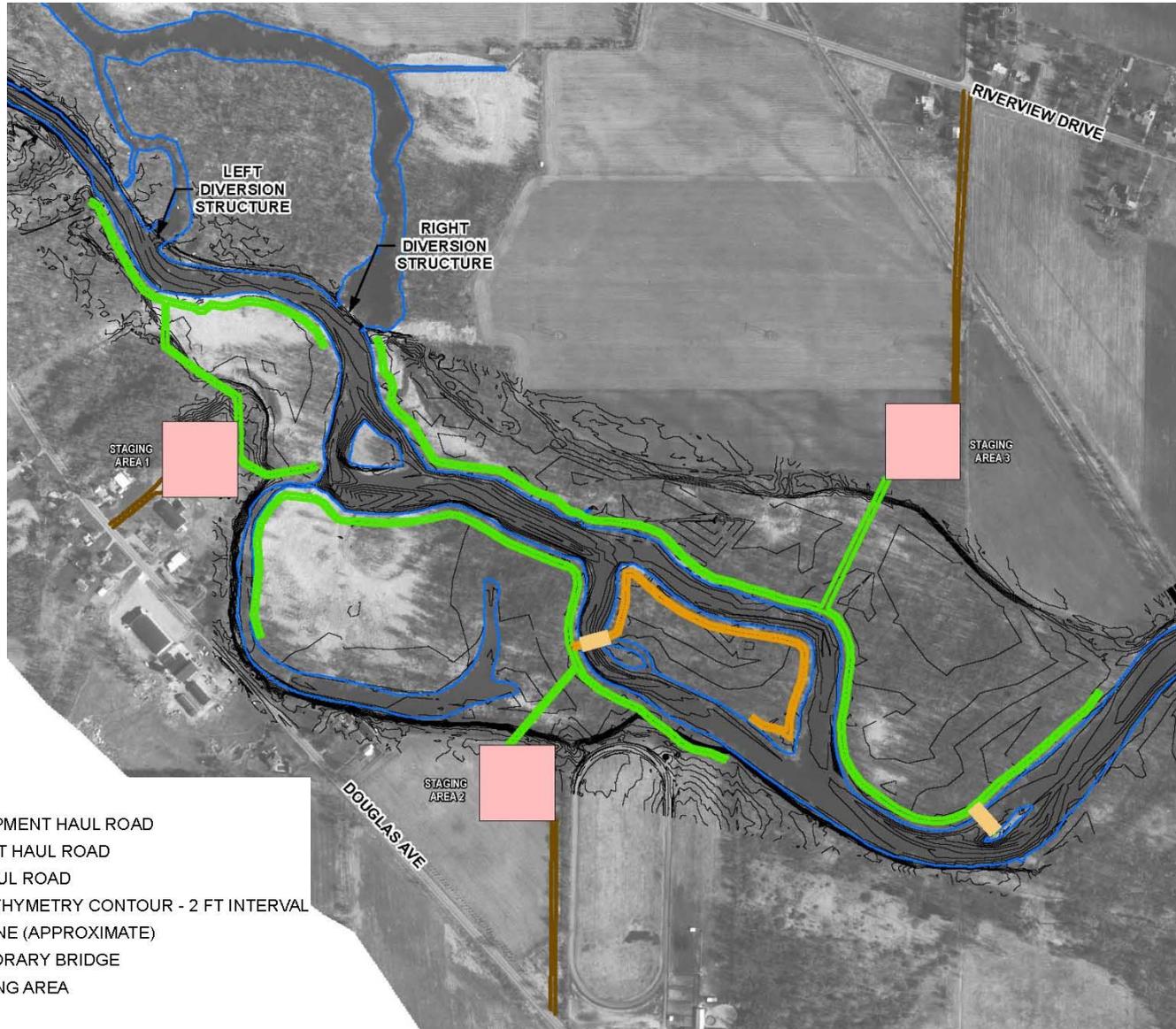
Engineering Elements of the Removal Action

- Based on successful project just completed in former Plainwell Impoundment
- Physical barriers to be placed in the river to control and contain soils and sediments disturbed during work
 - Effectiveness measured hourly
- Three staging areas to be used for water treatment, soil/sediment processing, and material storage

Views of Removal Operations in the former Plainwell Impoundment



Staging Areas and Access Roads



LEGEND:

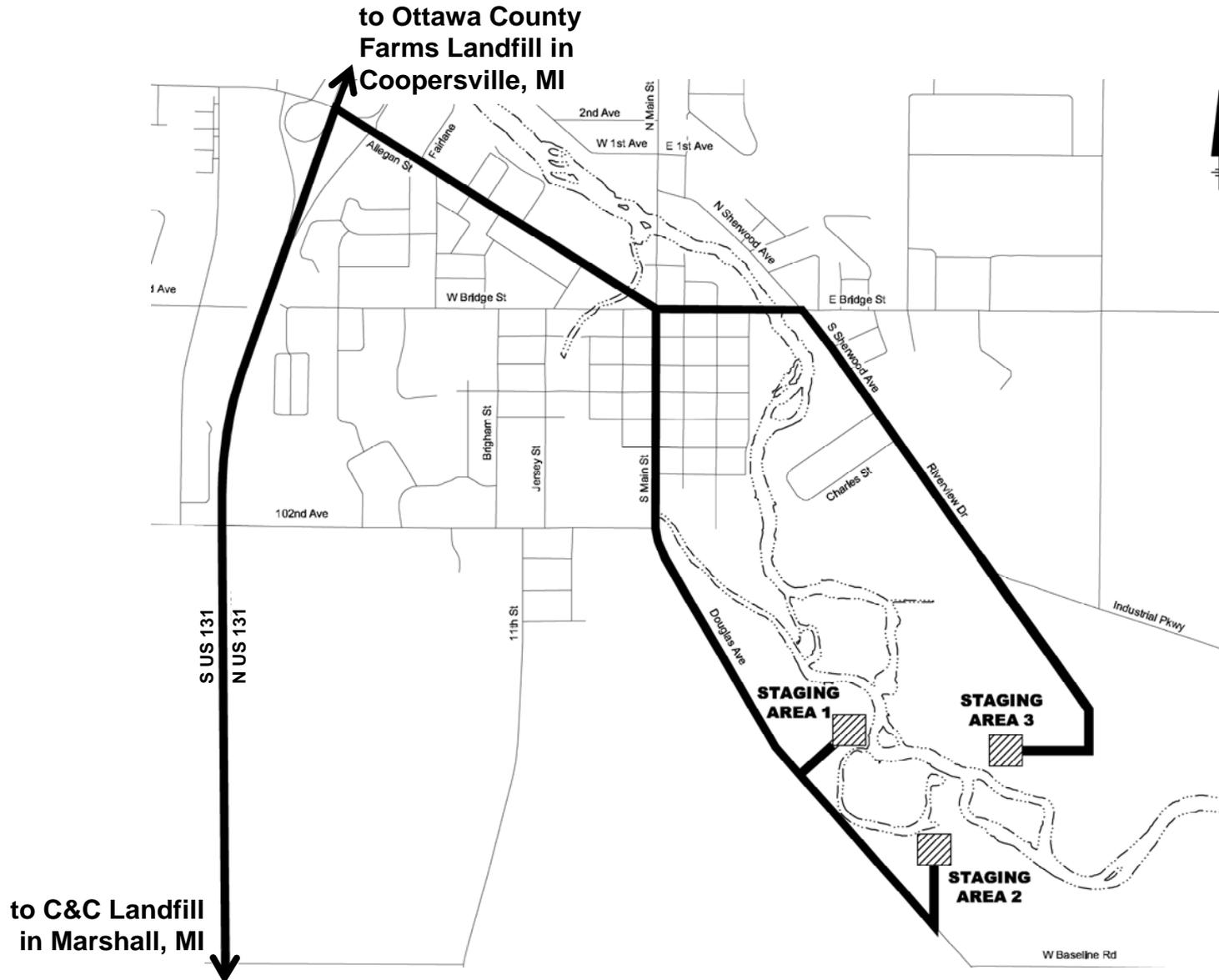
- LIGHT DUTY EQUIPMENT HAUL ROAD
- HEAVY EQUIPMENT HAUL ROAD
- GRAVEL TRAIN HAUL ROAD
- TOPOGRAPHY/BATHYMETRY CONTOUR - 2 FT INTERVAL
- MEDIAN WATER LINE (APPROXIMATE)
- POTENTIAL TEMPORARY BRIDGE
- POTENTIAL STAGING AREA



Transportation and Disposal of Removed Materials

- 10 to 12 trucks per day (maximum of 25) leaving the project area to haul materials to commercial landfills
- All trucks lined, cleaned, and covered before leaving the project area
- Materials will be disposed of at the same facilities used for the former Plainwell Impoundment project – Allied Waste’s C&C Landfill and Ottawa County Farms Landfill

Truck Routes to the Landfills



KALAMAZOO RIVER CLOSED NEAR PLAINWELL MILL RACE

BEGINNING AUGUST 1, 2009, A **ONE-MILE STRETCH OF THE KALAMAZOO RIVER BETWEEN THE PENN CENTRAL RAILROAD CROSSING AND THE PLAINWELL NO. 2 DAM / MILL RACE** WILL BE CLOSED TO WATERCRAFT AND OTHER RIVER RECREATION AS SOILS CONTAINING PCBs ARE REMOVED FROM THE RIVER. HEAVY EQUIPMENT OPERATION AND OTHER CONSTRUCTION ACTIVITIES WILL MAKE IT UNSAFE TO BE ON THIS SECTION OF THE RIVER, WHICH WILL BE CLOSED THROUGH 2010. A TAKEOUT POINT IN KALAMAZOO COUNTY AT D AVENUE AND PUT-IN POINT IN PLAINWELL AT MAIN STREET ARE AVAILABLE FOR RIVER USERS.

FOR MORE INFORMATION, CALL THE DEPARTMENT OF NATURAL RESOURCES AT (269) 685-6851



River Closure during Construction

For safety of the public and the construction workers, the river in the project area will be closed to recreational activity from August 1, 2009 until the end of 2010



Replanting Activities



- All disturbed areas will be restored with trees, shrubs, native grasses, or stone
- Species selected based on the successful restoration effort incorporated into the former Plainwell Impoundment project, where more than 2,000 trees and shrubs and more than 30 varieties of native plants were used

Estimated Project Schedule

