



EXISTING PARK CONDITIONS



EXISTING TRAILS



TRAIL EXCEEDS MAXIMUM ADA ACCESSIBLE SLOPE



FISHING PIER STRUCTURE



WETLAND VEGETATION



LARGE TREES LEANING INTO RIVER



STEEP BANKS AND ERODING SHORELINE

PROPOSED PARK ENHANCEMENTS



WOOD BOARDWALK WITH OVERLOOK PLATFORMS IN RESTORED WETLAND



EXTEND AND ENHANCE EXISTING FISHING PIER



STABILIZE SHORELINE WITH WOODY STRUCTURES AND LIVE STAKES

RIVER BLUFF PARK
CONCEPTUAL DESIGN

COMMUNITY OPEN HOUSE | JUNE 27, 2024



WETLAND AREA, TREAT INVASIVE SPECIES AND INSTALL NATIVE PLANTS



ERODING SHORELINE, STABILIZE WITH ON-SITE TREES TO CREATE HABITAT



TOP OF BANK, WALKING TRAIL

10-FT TO 12-FT

ERODING SHORELINE, STABILIZE WITH ON-SITE TREES TO CREATE HABITAT



ERODING SHORELINE, STABILIZE WITH ON-SITE TREES TO CREATE HABITAT



APPROXIMATE WETLAND BOARDWALK STARTING LOCATION



APPROXIMATE WETLAND BOARDWALK STARTING LOCATION



EXISTING FISHING PIER



PICNIC SHELTER AND ACCESS TO FISHING PIER





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Who Are the Members of the Natural Resource Trustee Council?



- The Natural Resource Trustee Council consists of agencies acting under federal and state law to seek environmental restoration:
 - Michigan Department of Natural Resources (MDNR)
 - Michigan Department of Environment, Great Lakes, and Energy (EGLE)
 - Michigan Department of Attorney General (MDAG)
 - U.S. Fish and Wildlife Service (USFWS)
 - National Oceanic and Atmospheric Administration (NOAA)



How Does NRDA Relate to Superfund Cleanup and the AOC Program?



- Release of hazardous substances is the trigger for both cleanup and NRDA restoration

Cleanup

- Led by EPA and the State
- Based on risk to humans and the environment
- Removals and remediation

NRDA Restoration

- Led by Trustee Council
- Addresses injuries over time
- Restoration to baseline and to compensate

- NRDA restoration is coordinated with cleanup
- AOC Restoration is also related, but can have different standards/criteria

NRDA Settlements



KALAMAZOO RIVER TRUSTEES
Restoring Your Natural Resources

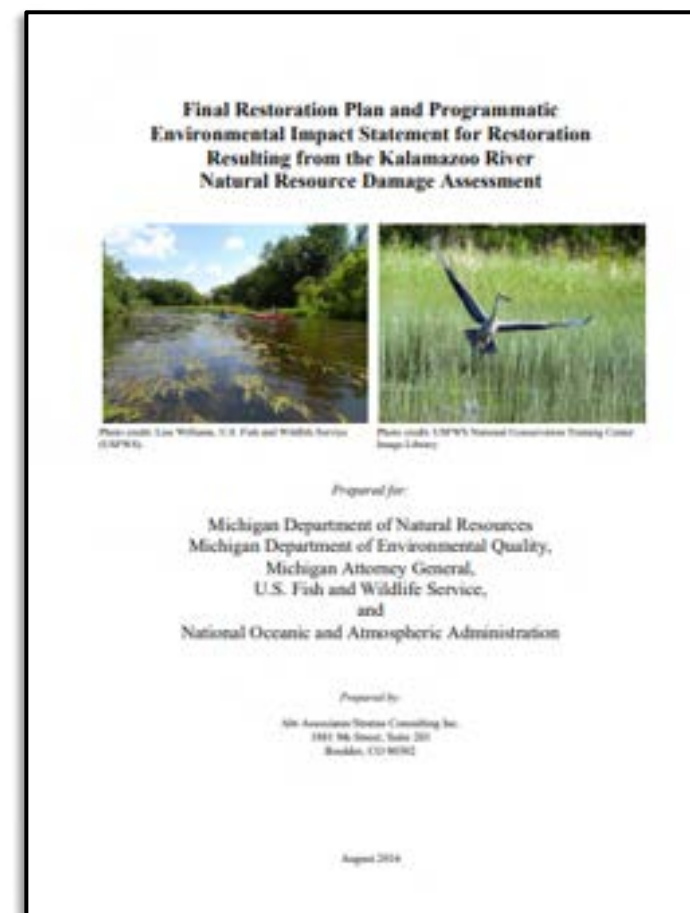
- Bankruptcy settlement with Plainwell Inc. and Plainwell Holding Co. in 2005: \$890,000
- Bankruptcy settlement with Lyondell in 2009: \$2M for Portage Creek and \$1.38 M for entire site
- Settlement with NCR Corporation in late 2019: \$25M plus \$2M past costs



KALAMAZOO RIVER TRUSTEES
Restoring Your Natural Resources

Guiding Document for Restoration

- 2016 Restoration Plan and Programmatic Environmental Impact Statement (RP/PEIS)
 - Guides the Trustees in selection of potential restoration projects
 - Notified the public that potential projects may be proposed in future Restoration Plan/Environmental Assessments (RP/EAs)
 - Helps with coordination with proposed remedial actions



<https://www.fws.gov/project/kalamazoo-river-natural-resource-damage-assessment-and-restoration>

Priority project types for NRDA:

Priority types of projects in the Kalamazoo River watershed that benefit injured natural resources:

- Instream habitat restoration - adding natural structure and reducing channelization
- Stream bank restoration and increasing floodplain habitat areas
- Removing barriers to fish passage from undersized culverts and dams
- Enhancing native plant species and controlling invasive species
- Preserving, enhancing, or restoring riparian and wetland habitats
- Restoring habitat that also benefits recreational uses like fishing, wildlife viewing, paddling

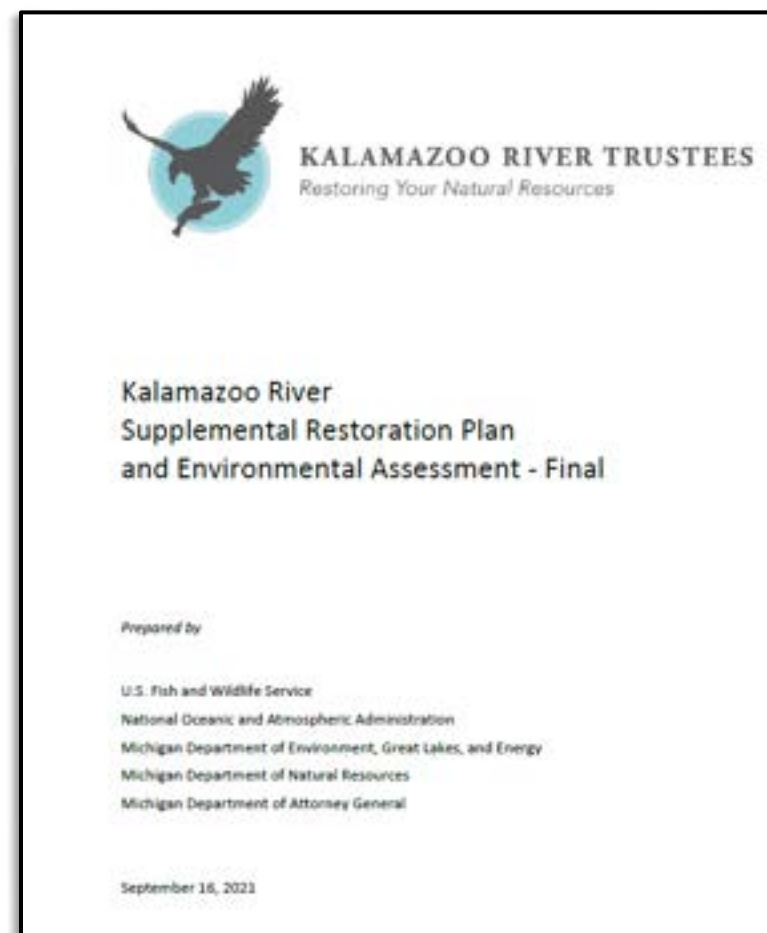


KALAMAZOO RIVER TRUSTEES
Restoring Your Natural Resources

NRDA Restoration Projects Selected

2021 Supplemental Restoration Plan and Environmental Assessment

- Trustees selected 14 projects
- Using ~\$12.4 M of available funds
- Assumed protective remedies, dam removal with response, continued shift to natural channel design for stability



Map #	Restoration Plan Project Title
1	River Bluff Park Shoreline Restoration
2	Manlius Township Land Protection
3	Koopman Marsh Restoration
4	Kalamazoo River Shoreline Frontage and Acreage near Calkins Dam
5	Allegan City Dam Removal
6	Nature Preserve along Kalamazoo River in Allegan
7	Trowbridge Township Restoration and Access
8	Plainwell Dam Area Restoration
9	Plainwell Diversion Dam and Mill Race Removal and Channel Restoration
10	Commerce Lane Railroad Trestle Removal and Bank Restoration
11	Davis-Olmsted Drain Improvements
12	Parchment Restoration Plan/Urban Wildlife Corridor
13	Reed Court Floodplain and Stormwater Improvements
14	Mussel Translocation and Riffle Success Evaluation

