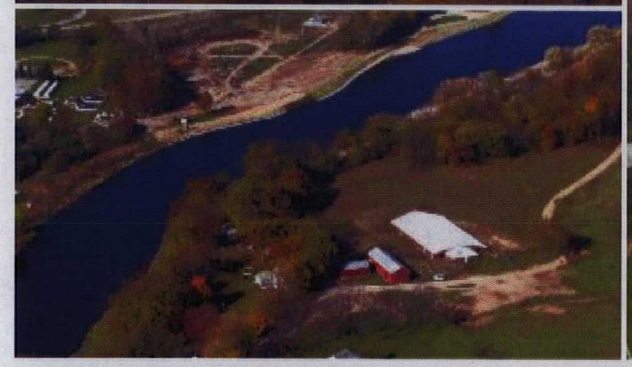
Allied Paper, Inc./Portage Creek/ Kalamazoo River Superfund Site

June 2011

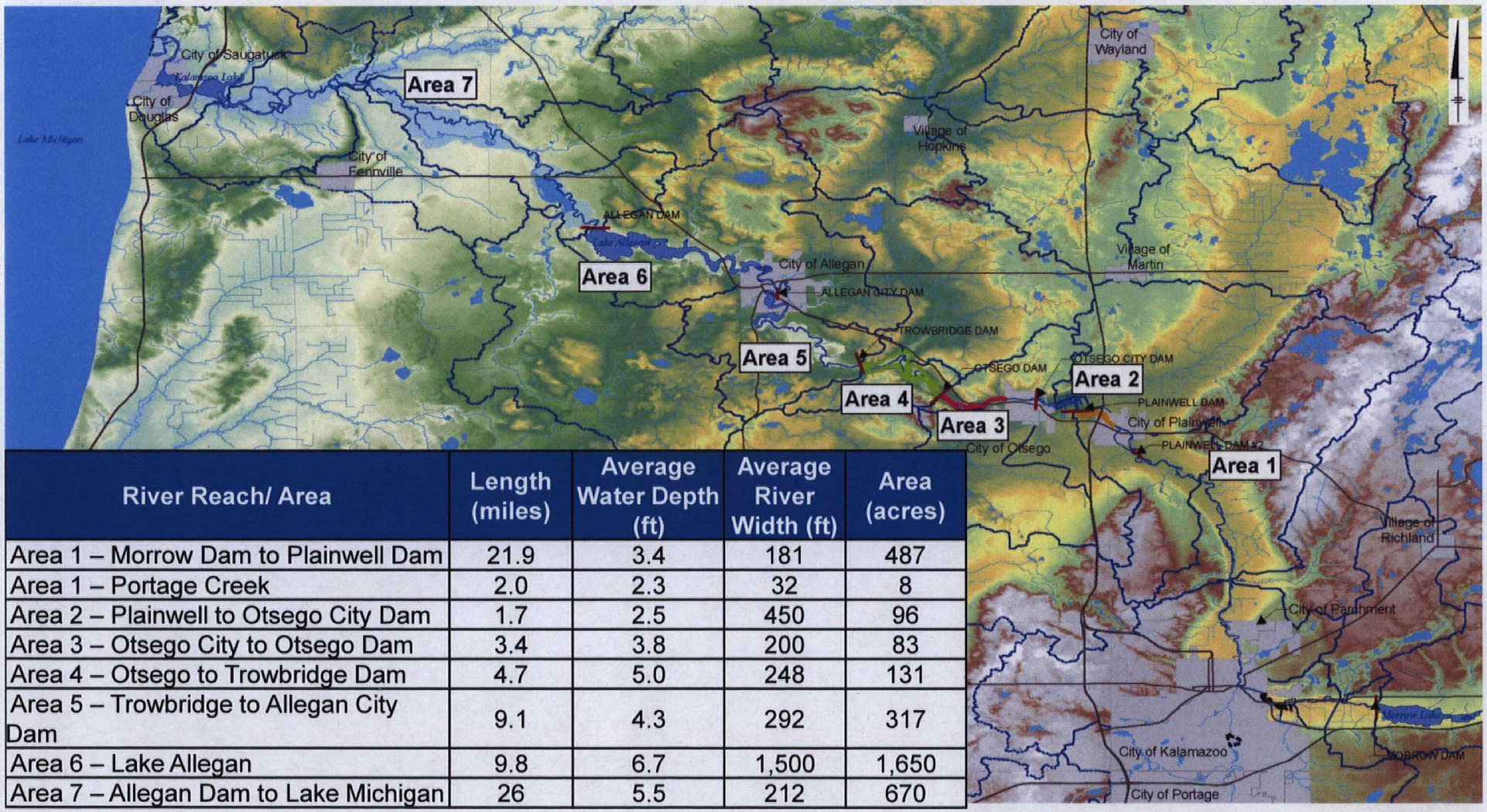
US EPA RECORDS CENTER REGION 5
474113



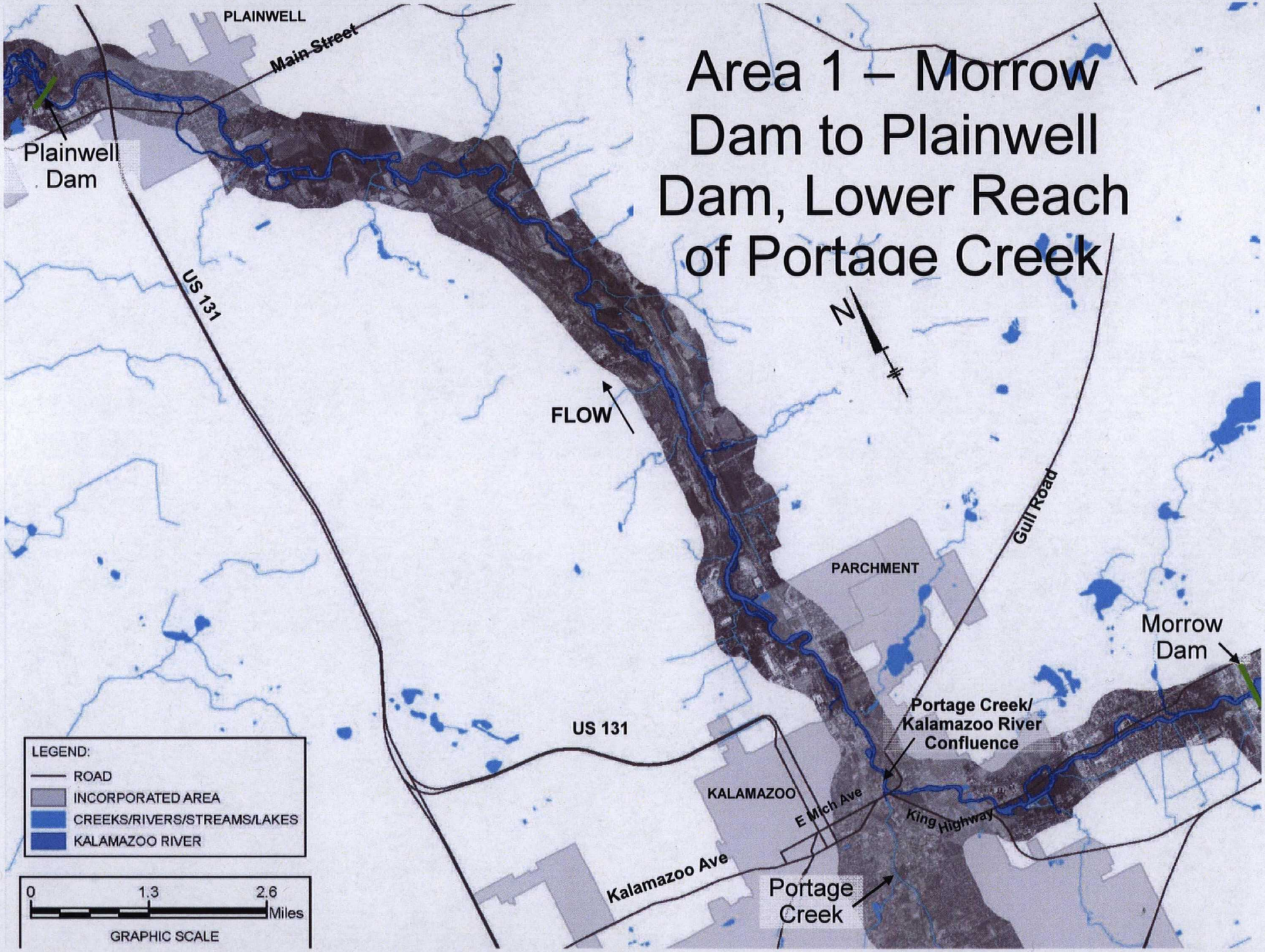
Allied Paper, Inc./Portage Creek/ Kalamazoo River Superfund Site

- Operable Unit 1: Allied Paper Landfill
- Operable Unit 2: Willow Boulevard and A-Site Landfill
- Operable Unit 3: King Highway Landfill
- Operable Unit 4: 12th Street Landfill
- Operable Unit 5: Portage Creek and 80 miles of Kalamazoo River
- Georgia Pacific/Hawthorn Mill Properties
- Operable Unit 7: Plainwell Mill Property

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

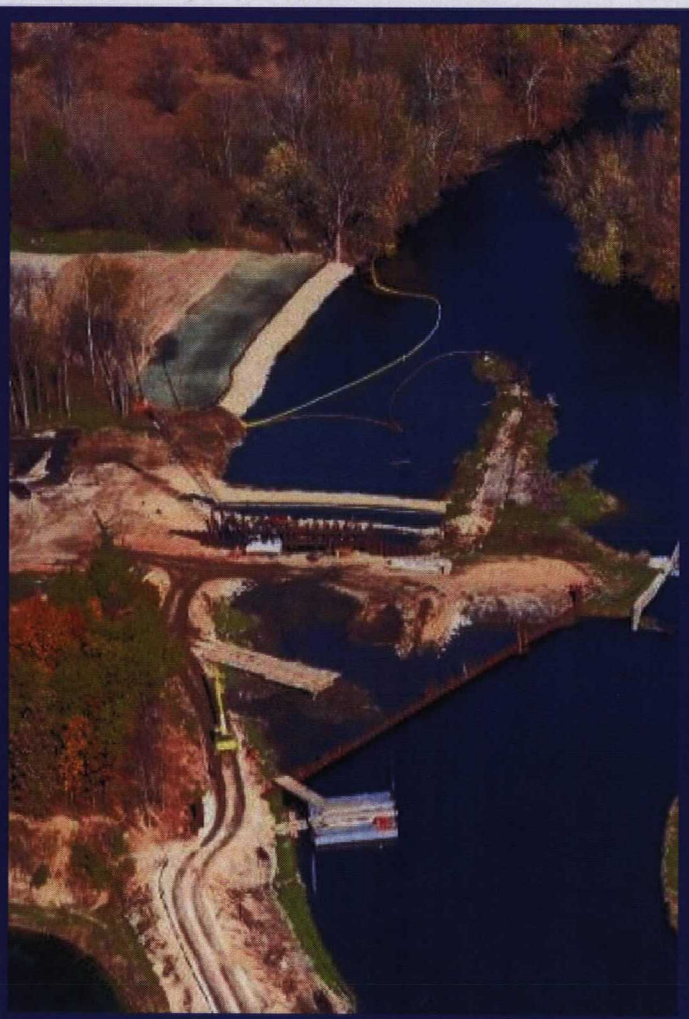


River Reach/ Area	Length (miles)	Average Water Depth (ft)	Average River Width (ft)	Area (acres)
Area 1 – Morrow Dam to Plainwell Dam	21.9	3.4	181	487
Area 1 – Portage Creek	2.0	2.3	32	8
Area 2 – Plainwell to Otsego City Dam	1.7	2.5	450	96
Area 3 – Otsego City to Otsego Dam	3.4	3.8	200	83
Area 4 – Otsego to Trowbridge Dam	4.7	5.0	248	131
Area 5 – Trowbridge to Allegan City Dam	9.1	4.3	292	317
Area 6 – Lake Allegan	9.8	6.7	1,500	1,650
Area 7 – Allegan Dam to Lake Michigan	26	5.5	212	670

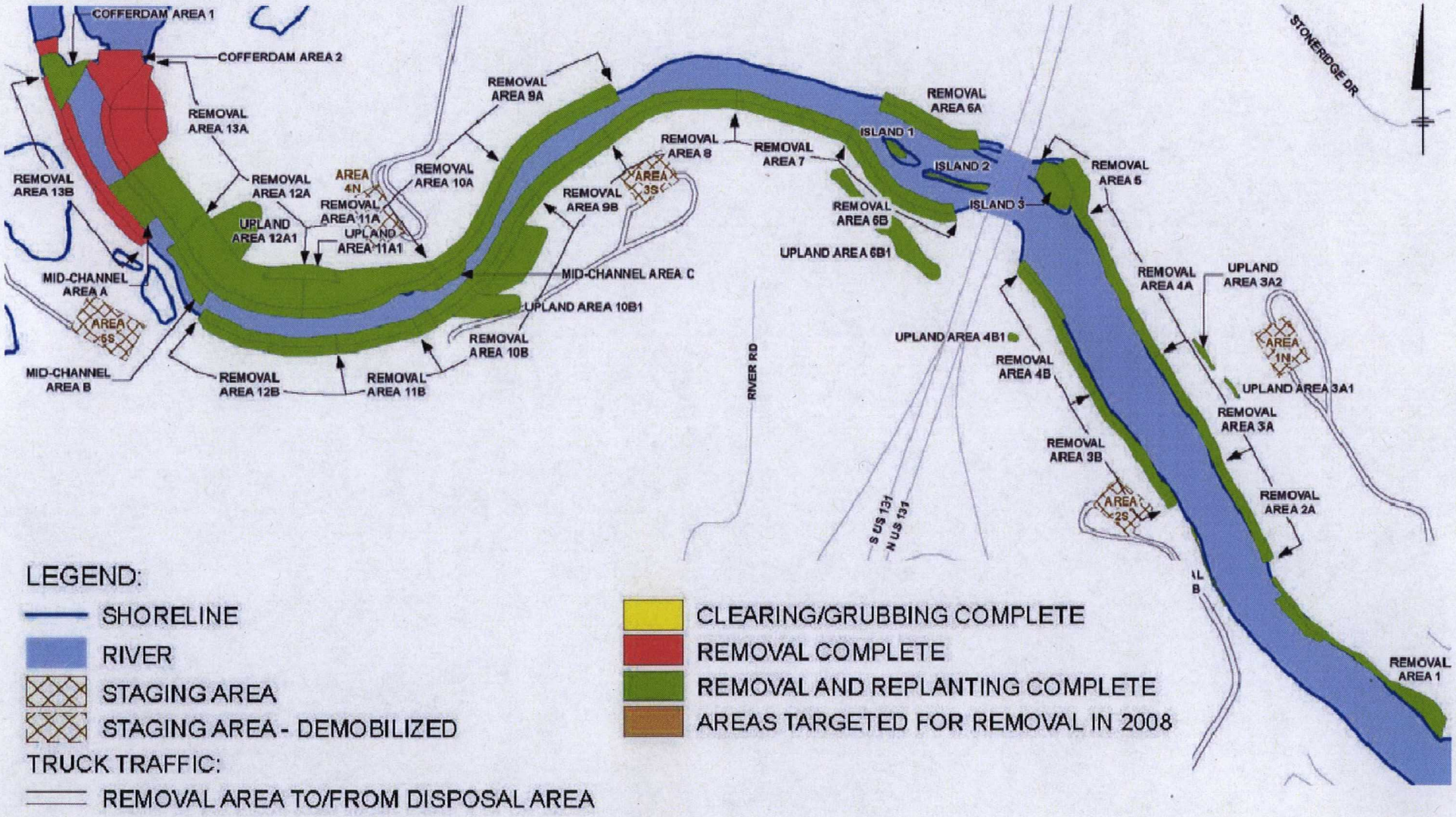

Area 1 – Morrow Dam to Plainwell Dam, Lower Reach of Portage Creek
PLAINWELL
Main Street
Plainwell Dam
US 131
FLOW
N
Gull Road
PARCHMENT
Morrow Dam
Portage Creek/ Kalamazoo River Confluence
US 131
KALAMAZOO
E Mich Ave
King Highway
Kalamazoo Ave
Portage Creek
LEGEND:
ROAD
INCORPORATED AREA
CREEKS/RIVERS/STREAMS/LAKES
KALAMAZOO RIVER
0
1.3
2.6
Miles
GRAPHIC SCALE

Plainwell Dam Removal Action

- Conducted April 2007 to December 2009
- Removed 128,000 cy bank and in-stream PCB contaminated sediment
- Addressed 2 miles of the Kalamazoo River from Plainwell to the Plainwell Dam
- Removed the existing Plainwell dam and restored river to historical free-flowing channel

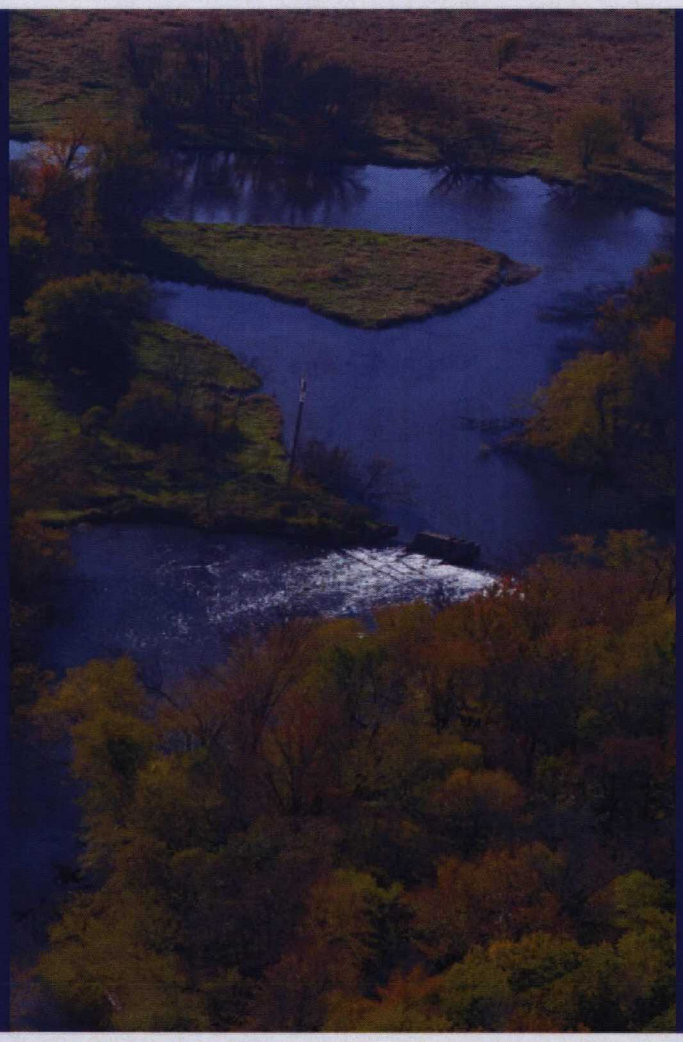


Targeted Removal Areas – Former Plainwell Impoundment



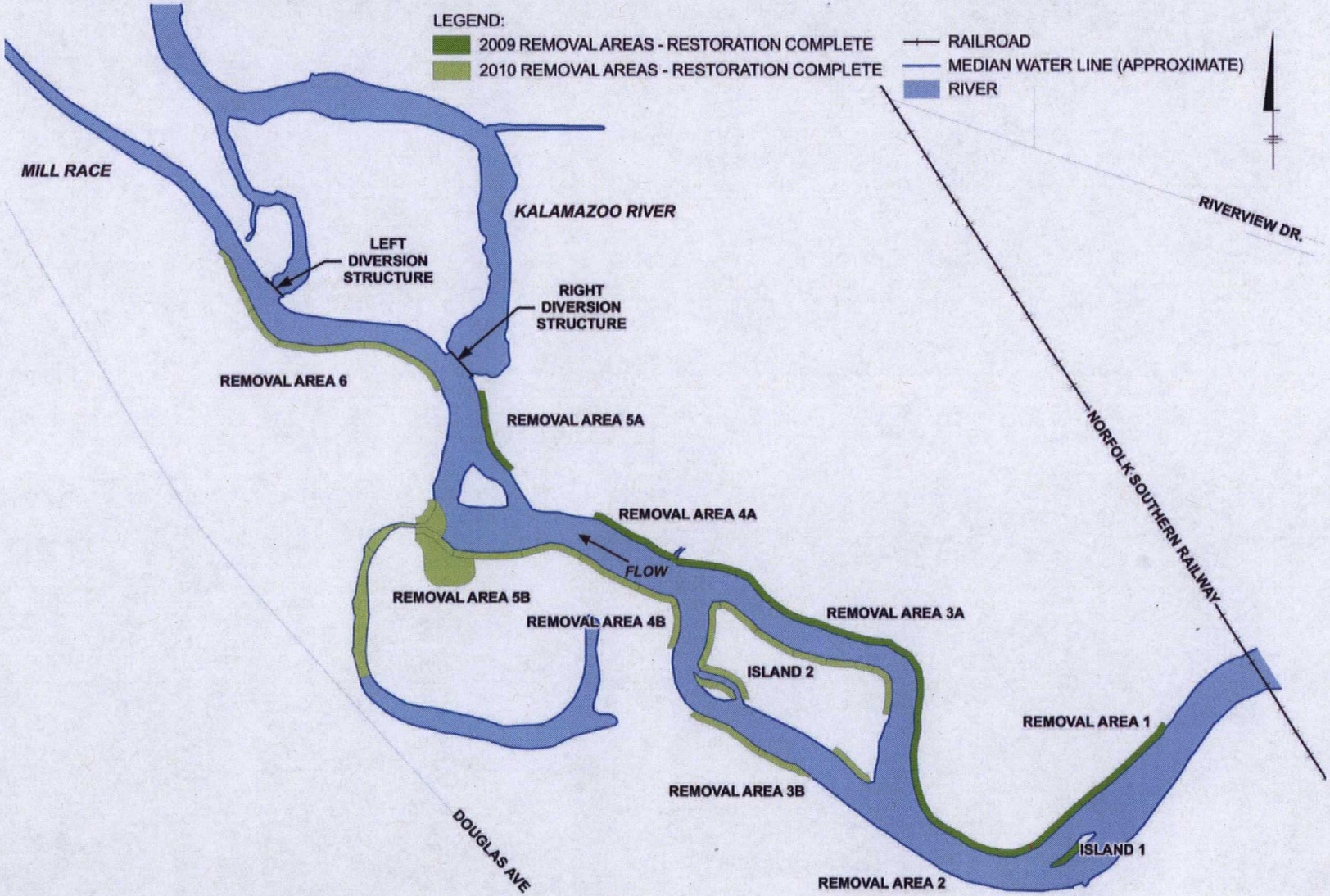
Plainwell No. 2 Dam Removal Action

- August 2009 to December 2010
- 1.9 miles of river bank
- Removal of 14,200 cy PCB contaminated bank and floodplain material



Plainwell No. 2 Dam Area

Time-Critical Removal Action Project Area: 2009-2010

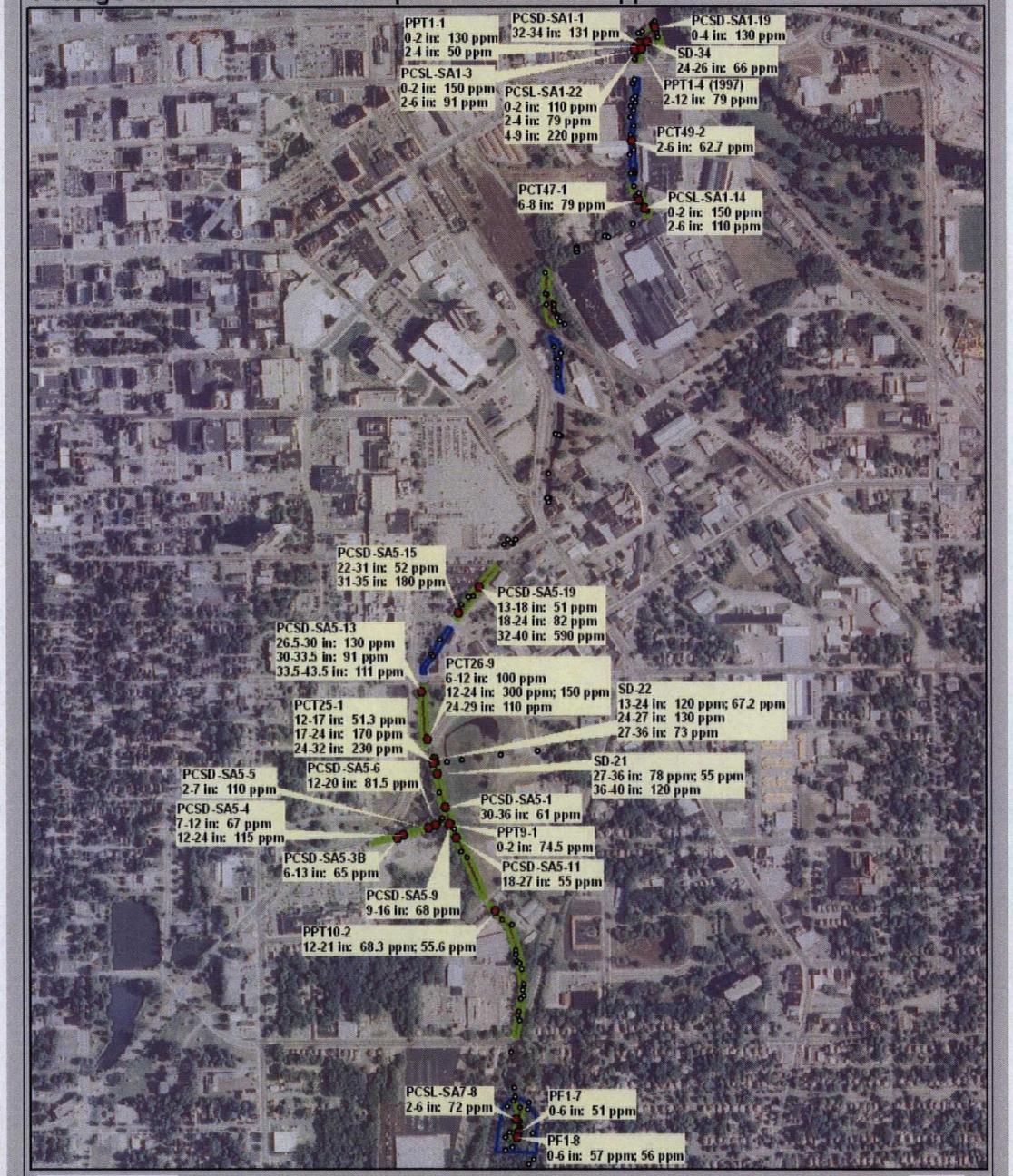


Summary of Plainwell 2 Dam Construction Activities

	2009	2010	Total
Bank Length Removed (linear feet)	4,300	6,700	11,000
Volume Removed (cubic yards)	5,000	13,500	18,500
Material Disposed (tons)	7,700	16,200	23,900
Area Restored (acres)	6	5	11
Woody Plantings (trees and shrubs)	1,120	1,984	3,104
Confirmation Samples Collected	396	984	1,380

Portage Creek: Sediment Samples with PCB ≥ 50 ppm

04/20/2011



Update on River Progress

AREA 1

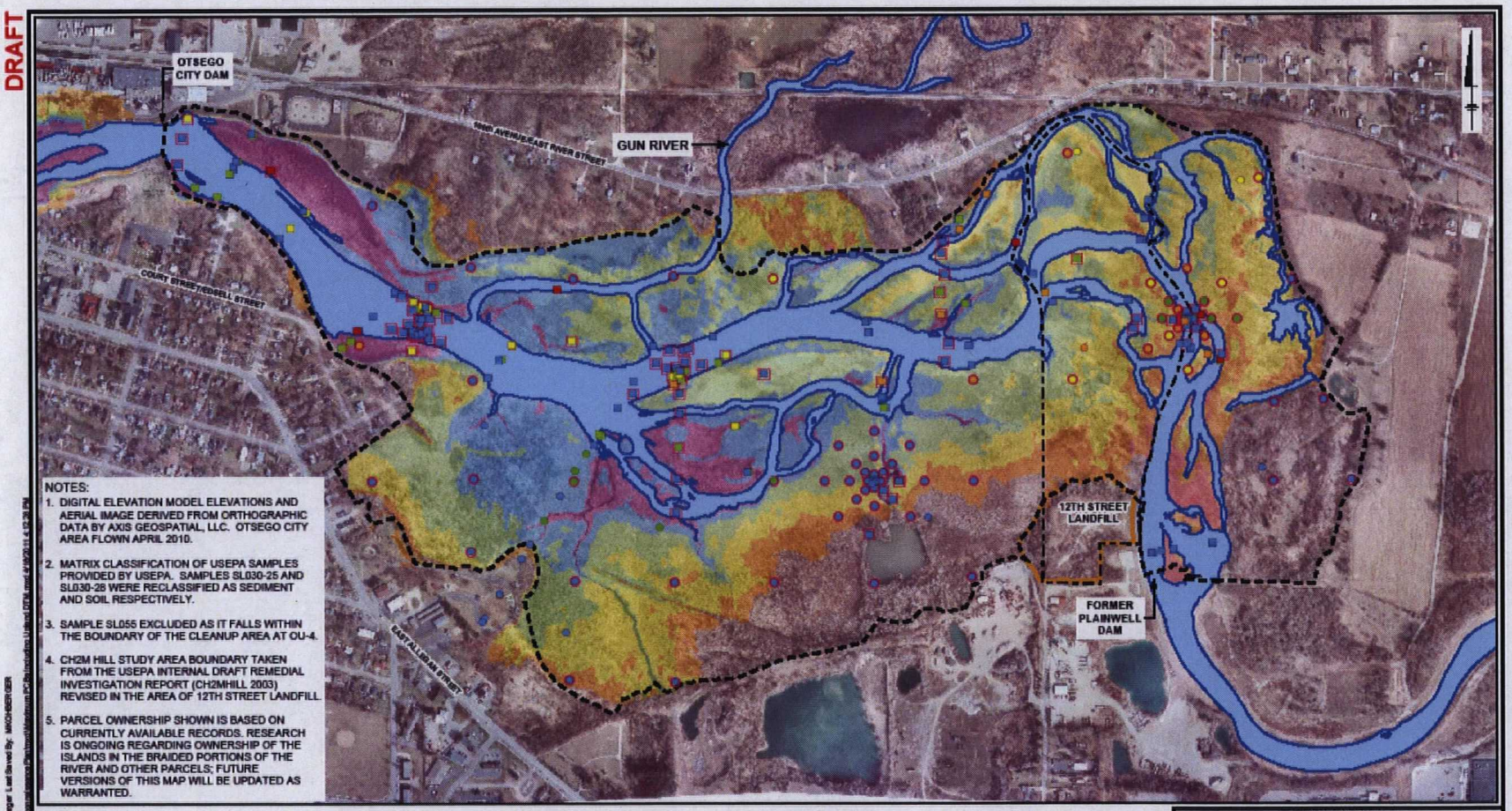
- Supplemental Remedial Investigation/Feasibility Study (RI/FS): Draft submitted 4/22/11 to EPA
- Feasibility Study of potential remedial alternatives to be submitted in Winter 2011
- Final remedy decision for Area 1 in late 2012

Update on River Progress

AREA 2

- Conducting field reconnaissance Winter/Spring
- Supplemental RI/FS sampling to begin Summer through Fall 2011
- Two field seasons to complete RI/FS investigation

AREA 2: Otsego City Impoundment



Proposed SRI/FS Start Dates for Areas 3 through 7

Area 3:	Otsego City Dam to Otsego Dam	September 1, 2011
Area 4:	Otsego Dam to Trowbridge Dam	September 1, 2012
Area 5:	Trowbridge Dam to Allegan City Dam	September 1, 2013
Area 6:	Allegan City Dam to Lake Allegan Dam	September 1, 2014
Area 7:	Lake Allegan Dam to Lake Michigan	September 1, 2015