

Tracking number	Milestone	Target Date	Date Completed	1st quarter	2nd quarter	3rd quarter	4th quarter	Lead
MINIMUM SUSTAINABLE PROGRAM								
Aquatic Vegetation Component								
2008A1	Complete data entry and QA/QC of 2007 data; 1250 observations							
	a. Data entry completed and submission of data to USGS	30-Nov-07	✓ 7-Nov-07	Completed				Popp, Dukerschein, Bierman
	b. Data loaded on level 2 browsers	15-Dec-07	✓ 12-Nov-07	Completed				Schlifer
	c. QA/QC scripts run and data corrections sent to Field Stations	28-Dec-07	✓ 21-Nov-07	Completed				Sauer
	d. Field Station QA/QC with corrections to USGS	15-Jan-08	✓ 27-Nov-07		Completed			Popp, Dukerschein, Bierman
	e. Corrections made and data moved to public Web Browser	30-Jan-08	✓ 18-Jan-08		Completed			Sauer, Schlifer, Caucutt
2008A2	WEB-based annual Aquatic Vegetation Component Update with 2007 data on Public Web Server							
	a. Develop first draft	28-Feb-08	✓ 9-Jan-08		Completed			Sauer
	b. Reviews completed	28-Mar-08	✓ 21-Jan-08		Completed			Popp, Dukerschein, Bierman, Sauer, Yin
	c. Submit final update	18-Apr-08	✓ 5-Feb-08		Completed			Sauer
	d. Placement on Web with PDF	31-Jul-08						Sauer, Caucutt
2008A3	Complete aquatic vegetation sampling for Pools 4, 8, and 13 (Table 1)	31-Aug-08						Popp, Dukerschein, Bierman
2008A4	Final draft completion report: Developing submersed aquatic plant bioindicators and biocriteria for the Upper Mississippi River	30-May-08						Dukerschein, Langrehr, Popp, Moore
2008A7	Web-based: Creating surface distribution maps for aquatic plant species in Pools 4, 8, and 13; 2007 data	31-Jul-08						Yin
2008A8	Final draft OFR: LTRMP Aquatic Vegetation Program Review (2007A9)	30-Sep-08						Heglund, Sauer
2008A9	Draft manuscript: Aquatic vegetation in the UMRS	31-May-08						Popp, Moore
2007A9	Draft OFR: LTRMP Aquatic Vegetation Program Review	29-Feb-08						Heglund
2007APE1	Draft manuscript: Importance of the Upper Mississippi River Forest Corridor to Neotropical Migratory Birds	30-Mar-08						Kirsch
2007APE12	Draft LTRMP Report: Ecological Assessment of High Quality UMRS Floodplain Forests	29-Aug-08						Chick
Fisheries Component								
2008B1	Complete data entry, QA/QC of 2007 fish data; ~1,590 observations							
	a. Data entry completed and submission of data to USGS	31-Jan-08	✓ 1-Feb-08		Completed			Popp, Dukerschein, Bierman, Chick, Sass, Hrabik
	b. Data loaded on level 2 browsers; QA/QC scripts run and data corrections sent to Field Stations	15-Feb-08	✓ 4-Feb-08		Completed			Schlifer
	c. Field Station QA/QC with corrections to USGS	15-Mar-08	✓ 5-Feb-08		Completed			Popp, Dukerschein, Bierman, Chick, Sass, Hrabik
	d. Corrections made and data moved to public Web Browser	30-Mar-08	✓ 14-Feb-08		Completed			Sauer and Schlifer

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2008B2	WEB-based annual Fisheries Component Update with 2007 data on Public Web Server							
	a. Develop first draft	30-Apr-08	✓ 14-Feb-08		Completed			Sauer, Popp, Dukerschein, Bierman, Chick, O'Hara,
	b. Reviews completed	15-May-08						Sauer, Popp, Dukerschein, Bierman, Chick, O'Hara, Hrabik, Ickes
	c. Submit final update	31-May-08						Sauer, Popp, Dukerschein, Bierman, Chick, O'Hara,
	d. Placement on Web with PDF	31-Aug-08						Sauer, Caucutt
2008B3	Complete fisheries sampling for Pools 4, 8, 13, 26, the Open River, and La Grange Pool (Table 1)	31-Oct-08						Popp, Dukerschein, Bierman, Chick, O'Hara, Hrabik
2008B4	USGS Series: Non-native fishes in the Upper Mississippi River System: A Synthesis of Information from the Long Term Resource Monitoring Program (extension of 2005B8)	30-Sep-08						Sass, Irons
2008B5	Manuscript: Assessing habitat use by breeding Great Blue Herons (<i>Ardea herodias</i>) on the Upper Mississippi River National Wildlife and Fish Refuge, USA (intended outlet Waterbirds)	30-Apr-08			In Press			Ickes
2008B6	Draft Manuscript: River engineering and flooding: Systemwide empirical modeling of the Mississippi and Lower Missouri Rivers (intended outlet Nature)	30-Apr-08			In review			Ickes
2008B7	Draft Manuscript: Effects of river engineering on flow conveyance and flood stages: Reach-scale empirical modeling of the Mississippi and Lower Missouri Rivers (intended outlet Water Resources and	1-Jul-08			In prep			Ickes
2008B8	Draft manuscript: Fishes of the Mississippi River System: a 40 year synthesis of research on one of the world's great rivers (intended outlet Hydrobiologia)	30-Jun-08			In prep			Ickes
2008B9	Draft manuscript: Standardized CPUE data from multiple gears for community level analysis (re-worked 2006B5).	27-Jun-08						Chick
2006B6	Draft manuscript: Spatial structure and temporal variation of fish communities in the Upper Mississippi River. (Dependent on 2008B9 acceptance into journal)	30-Sep-08						Chick
2007B5	Draft LTRMP report: Trends in abundance of fish species linked to vegetation	30-Mar-08			Delayed to 2 May 2008; Lead author pulled off report & temporarily reassigned to field work			Popp, Delain
2007B4	Draft manuscript: Proportional biomass contributions of Non-native fish to UMRS fish communities	31-May-08			In prep			Ickes
2007B8	Draft manuscript: Proportional Size Density and Frequency of Occurrence of Flathead Catfish (<i>Pylodictis olivaris</i>), Channel Catfish (<i>Ictalurus punctatus</i>), and Blue Catfish (<i>I. furcatus</i>) in an impounded and unimpounded reach of the Upper Mississippi River. (Expanded work on 2006B12)	30-Sep-08						Hrabik, McCain, Herzog

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2007APE3	Draft LTRMP report: Testing the Fundamental Assumption underlying the use of LTRMP fish data: Does variation in LTRMP catch-per-unit-effort data reflect variation in the abundance of fishes?	30-Mar-08						Chick

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2007APE7	Draft completion report: Association between fish assemblage and off-channel area type in the impounded reach of the Upper Mississippi and Illinois rivers: implications for habitat restoration at management-relevant scales	31-Jan-08		Delayed to 29 February				Knights
2007APE8	A Proposal to restore Specific Monitoring Elements to the LTRMP	30-Apr-08						Chick
Estimated distribution date								
	Completion report: Habitat-related factors that are potentially limiting backwater fish communities (2006B8; Bartels)	30-May-08						
	Completion report: Exploratory Analysis of Index of Biotic Integrity Scores Calculated from Datasets Obtained from Three Different Day Electrofishing Protocols (2006B9; Bartels)	30-Jul-08						
	LTRMP report: Investigate effects of newly completed HREPs (Lake Chautauqua NWR, Banner Marsh State Fish and Wildlife Area) in La Grange Pool (2006APE17b; O'Hara)	30-Sep-08			Approval from Reston 5 Feb. 2008			
	Manuscript: Evaluation of a Catch and Release Regulation for Largemouth Bass in Brown's Lake, Pool 13, Upper Mississippi River (2007B7; Bowler)	30-Sep-08						
	Completion report: LTRMP Fisheries Component collection of six darter species from 1989–2004. (2006B13; Ridings)	30-Sep-08						
Water Quality Component								
2008D1	Complete calendar year 2007 fixed-site water quality sampling	31-Dec-07	✓ 31-Dec-07	Completed				Houser, Popp, Dukerschein, Bierman, Chick, Sass, Hrabik
2008D2	Complete laboratory analysis of 2007 fixed site and SRS data; Data loaded to Oracle data base.	30-Mar-08	✓ 4-Mar-08		Completed			Yuan
2008D3	Complete data entry, QA/QC of calendar year 2006 fixed-site and SRS data.	30-May-08						Rogala, Popp, Dukerschein, Bierman, Chick, Sass, Hrabik
2008D4	Complete FY 08 fixed site and SRS sampling for Pools 4, 8, 13, 26, Open River, and La Grange Pool	30-Sep-08						Popp, Dukerschein, Bierman, Chick, Sass, Hrabik
2008D5	WEB-based annual Water Quality Component Update with 2007 data on Public Web Server.	30-Jun-08						Rogala
2008D6	Final draft LTRMP report: Sampling of light regime in support of aquatic vegetation modeling (2007D6)	30-Aug-08						Dukerschein, Giblin, Hoff
2008D7	Final draft LTRMP report: Pool 5 water quality, pre- and post-drawdown	30-Mar-08			Delayed to 11 April; Lead author on injured reserve			Popp, Burdis
2008D8	Final draft manuscript: Primary production, and dissolved oxygen dynamics in UMRS backwater lakes and main channel. (2007D8)	30-Jul-08						Houser
2008D9	Final draft manuscript describing results of analyses of spatial and temporal patterns in UMRS WQ. (2006D5)	30-Aug-08						Houser
2006D7	Final draft completion report: Lake Pepin zooplankton and water quality data	31-Jul-08						Popp, Burdis
2005D7	Final draft LTRMP report: Main channel/side channel report for the Open River Reach.	30-Sep-08						Hrabik
2005APE26	Final draft LTRMP report: retrospective, cross-component analysis for Pool 26	29-Feb-08						Chick, Johnson

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Estimated distribution date								
	Completion report: Evaluation of new Hydrolab Turbidity Probe (2006D6; Hoff)	31-Dec-07	✓ 21-Dec-07	Completed				
	LTRMP report: A decade of monitoring on Pool 26 of the Upper Mississippi River: Water quality and fish data with cross component analyses (2005APE27; Chick)	30-Sep-08						
	Completion report: Effectiveness of wetland creation (2006D8; Bierman)	30-Sep-08						
	Completion report: Examining nitrogen and phosphorus ratios N:P in the unimpounded portion of the Upper Mississippi River (2006D9; Crites)	30-Sep-08						
Statistical Evaluation of Monitoring Data								
2008E1	Draft completion report that describes methods of estimating variance components from LTRMP water quality data	15-Sep-08						Gray
Estimated distribution date								
	Completion report: "An introduction to the analysis of LTRMP's vegetation rake data"	15-May-08						
	Completion report: "Estimating temporal trends in data derived using LTRMP's submersed aquatic vegetation rake sampling design" (2007E1 & 2; Gray)	15-Jun-08						
	Completion report: "Cumulative HREP effects on ecological characteristics of impounded regions of the UMR" (2007APE10; Gray)	15-Jun-08						
Data Management								
2008M1	Update vegetation, fisheries, and water quality component field data entry and correction applications.	30-May-08						Schlifer
2008M2	Load 2007 component sampling data into Oracle tables and make data available on Level 2 browsers for field stations to QA/QC.	30-Jun-08						Schlifer
Land Cover/Land Use with GIS Support								
2008V1	Provide biannual updates to LTRMP management	Biannual						Robinson
2007APE13	Assessment of high-resolution digital imagery for UMRS vegetation mapping and software-based vegetation classification	30-Mar-08						Robinson
Bathymetry								
2008T1	Provide biannual updates to LTRMP management	Biannual						Rogala
2008T2	Draft UMRS Bathymetric Data Acquisition Plan: Completion report	1-Aug-08						DeHaan
Macroinvertebrate Component								
2005C2	Draft LTRMP Report: Open River macroinvertebrates	30-Sep-08						Hrabik
LTRMP Summary Report								
2007S1	2005 LTRMP Web-based summary report on-line	30-Jun-08						Johnson, Houser, Ickes, Yin