

LTRMP Milestones

FY 2004, Third Quarter

Milestone	Target date in SOW	Completed	1st quarter	2nd quarter	3rd quarter	4th quarter
Aquatic Vegetation Component						
Complete data entry, QA/QC of 2003 data; 1250 observations.	30-Dec-03	30-Dec-03 ✓	Completed			
Submit final draft LTRMP report titled: "A multi-year synthesis of aquatic vegetation data from 1991 to 2002 for the Long Term Resource Monitoring Program on the Upper Mississippi River" to COE and USGS.	1-Jul-04				2nd revision pending	
Submit final draft of WEB-based annual Component Update with 2003 data to COE and USGS.	30-Jul-04				Submitted for review	
Complete aquatic vegetation sampling for Pools 4, 8, 13, 26, and La Grange Pool	31-Aug-04				On-going	
FY02 - Submit draft floodplain forest report for review.	30-Jun-02	✓	Submitted to Regulated Rivers		Awaiting word from publisher	
Fisheries Component						
Complete data entry, QA/QC of 2003 fish data; ~1,590 observations	1-Apr-04	15-Mar-04 ✓		Promoted 15 March 2004	Completed	
Submit final draft LTRMP report titled: "A ten-year synthesis of fisheries data from 1993 to 2002 for the Long Term Resource Monitoring Program on the Upper Mississippi River" to COE and USGS.	1 June 2004			In revision, but held up waiting for Corps guidance for incorporating / not incorporating elements of other reports.	2nd revision pending; COE comments received in June.	
Submit final draft of WEB-based annual Component Update with 2003 data to COE and USGS.	30-Aug-04			Report run, compiling links. Graphical Fish Database Browser updated 12 May 2004	80% complete	
Submit final draft LTRMP report titled: "Spatial structure and temporal variation of fish communities in the Upper Mississippi River" to COE and USGS.	1-Aug-04			In partner review - Awaiting state and Corps review comments	2nd draft submitted, awaiting final approval (Chick et al.)	
Submit final draft LTRMP report titled: "Non-native fishes in the Upper Mississippi River System: A Synthesis of Information from the Long Term Resource Monitoring Program" to COE and USGS.	1-Aug-04			First draft complete, co-author revisions underway, will submit for partner review in late-June.	2nd draft pending from author	
Complete fisheries sampling for Pools 4, 8, 13, 26, the Open River Reach, and La Grange Pool	30-Sep-04			Sites selected, data entry app revised and Beta-tested	On-going	
FY02 - Complete and distribute project status reports on fish analysis.	31-Aug-2002		PSR submitted for UMESC management review 31 Oct. 2003.	In UMESC review	In UMESC review	
FY03 - Statistical models relating fish population and community metrics to various habitat metrics	30-Jun-2003		Product in review and will be delivered by 1 May 2004.		Barko report on community analysis, 2nd draft pending; Kirby et al. report on spatial and temporal trends, 2nd draft pending	
FY03 - Technical report based on the findings from multivariate analyses of UMRS fish communities	30-Jun-2003		Product in review and will be delivered by 1 May 2004.	State reviews received, awaiting Corp reviewer comments.	Chick et al., Barko, and Kirby et al. (see above)	

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FY03 - Complete 2000-2002 Fish Monitoring Annual Reports (WEB).	30-May-2003		All submitted to UMESC review in April 2003 - awaiting comments and revisions (2 Feb. 2004)	In UMESC review	In UMESC review	
Macroinvertebrate Component						
Submit final WEB-based annual Component Update with 2003 data to COE and USGS	30-Oct-2003	30-Oct-2003 ✓	Completed: http://www.umesc.usgs.gov/reports_publications/ltrmp/macro.html			
Submit final draft report titled: "Multi-year Synthesis of the Long Term Resource Monitoring Program's Macroinvertebrate Component (1992-2002)" to COE and USGS.	01-Jun-2004	28-Jun-2004 ✓			Completed: Submitted to UMESC editorial group on June 28	
Submit final draft report titled: "Evaluation of the Long Term Resource Monitoring Program's Macroinvertebrate Component" to COE and USGS.	15-Jun-2004				Submitted to Branch Chief on June 21	
Complete macroinvertebrate sampling for Pools 4, 8, 13, 26, and La Grange Pool	30-Jun-2004	15-Jun-2004 ✓		Sites selected, data entry app revised and Beta-tested	Completed	
Complete data entry, QA/QC of 2004 data. (~625 observations)	01-Sep-2004				Pools 4, 8, 13, and La Grange complete. Awaiting data from Pool 26.	
FY03 - Complete final workshop report including 10-year synthesis and recommendations on restructuring.	30-Apr-2003		Report divided into two reports. See above.			
Water Quality Component						
Complete calendar year 2003 fixed-site water quality sampling	31-Dec-2003	✓	Completed			
Complete data entry, QA/QC of 2003 fixed-site data; ~1,060 observations.	30-May-2004				90% complete; awaiting final field station check	
Submit final draft LTRMP report titled: "A multi-year synthesis of limnological data from 1993 to 2001 for the Long Term Resource Monitoring Program on the Upper Mississippi River" to COE and USGS.	15-Jul-2004				awaiting comments from COE. Based on other reviewer comments; proceeding with revisions where possible	
Submit first draft of WEB-based annual report with 2003 data for review.	15-Sep-2004					
Complete fixed site and SRS sampling for Pools 4, 8, 13, 26, Open River, and La Grange Pool	30-Sep-2004					
FY02 - Publish procedures manual for water quality component (Objective 3)	31-Jan-2002	01-Mar-2004 ✓	Completed			
FY02 - Complete web-based reports summarizing water quality data for each of the six study areas during the 2000 & 2001 calendar years. (Objective 2)	30-Jun-2002		Structure completed. Currently developing tables and figures. Will be delivered by 1 July 2004.		Tables and figures still need to be done.	
FY02 - Draft report on review of component objectives and quality assurance to COE (Objective 3).	15-Sep-2002		Currently in internal review		Still in draft form.	

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FY03 - Complete first draft of 10 year report, circulate for internal review (Objective 5).	01-Jul-2003	30-Jun-2004 ✓	Draft submitted for external review 23 April 2004.		Completed	
FY03 - Complete PSR that summarizes findings on the use of fixed site sampling instead of random sampling (Objective 4).	01-Jul-2003		First draft completed. Delayed due to departure of Senior Limnologist		Still in draft form.	
FY03 - Complete Web-based reports summarizing water quality data for each of the six study areas during the 2002 calendar year (Objective 2).	30-Jul-2003		Will be finished with other web reports		No change	
FY03 - Complete internal review of 10-year report, begin revisions (Objective 5).	01-Sep-2003	30-Jun-2004 ✓	Draft submitted for external review 23 April 2004.		Completed	
Annual LTRMP Monitoring Summary Report						
FY02 - Draft report submitted for USGS review (2000 & 2001).	30-Jun-2002		2000 report under revision; 2001 in review			
FY02 - Final draft report completed and submitted to COE (2000 & 2001).	30-Sep-2002					Expected by Sept. 2004
Statistical Evaluation of Monitoring Data						
FY03 - Complete Pool 13 mayfly abundance report (Objective 2).	28-Feb-2003	05-May-2004 ✓	In USGS/COE review	In journal review	In journal review	
FY03 - Complete Pool 8 mayfly abundance report (Objective 2).	31-Mar-2003		In USGS/COE review	In USGS/COE review	Revision pending	
FY03 - Complete final fingernail clam abundance model report (Objective 2).	30-Sep-2003	01-Aug-2004 ✓	In USGS/COE review	In USGS/COE review	In UMESC final review process	Submitted to Journal
Status and Trends Report						
Develop outline of Status and Trends report	30-Sep-2004					
Automation of 2000 Land Cover/Land Use and Vegetation Change Analysis						
Complete 2000 LCU for Pools 1-3.	31-Mar-2004	31-Mar-2004 ✓		Completed; to be uploaded to Website by 1 June 2004	On UMESC website	
Complete 2000 LCU for the lower Minnesota and St. Croix Rivers	30-Jun-2004	30-Jun-2004 ✓			Completed and on UMESC website (MN Riv. Served with Pool 2).	
Complete 2000 LCU for the upper Illinois River pools (Starved Rock to Lockport).	31-Aug-2004				Photo interpretation complete, automation in progress and on schedule.	
FY03 - HNA fish validation	15-May-03		Draft report completed and reviewed. Final version to be completed 15 August 2004			
Assessment of Program Structure						
Structural Assessment Team organized	01-Jan-2004	✓		Completed		

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Team begins fact finding mission: 1. Survey of partner values 2. Summaries of relevant research and monitoring findings 3. Infrastructure details	31-Mar-2004	14-May-2004 ✓		Completed		
Develop alternatives based on results from fact finding mission: 1. Provide final draft report to USGS and COE	30-Apr-2004	✓		Completed		
Partnership meeting to discuss alternatives	01-May-2004	✓		Completed		
Present results of final plan to EMPCC	01-May-2004	20-May-2004 ✓		Completed		
Bathymetric mapping of the UMRS						
FY02 - Complete PSR on information obtained by the backwater transect surveys and recommended changes to the monitoring design.	31-May-2002		In Review; Expect by August 2004		Final revision pending - on schedule	
FY02 - Analysis and draft report on sedimentation along transects during the 5 year period	30-Sep-2002	01-Dec-2003 ✓	Draft delivered. Technical report in production phase. Manuscript submitted to Regulated Rivers.		Technical report on line: http://www.umesc.usgs.gov/data_library/sedimentation/documents/rates_patterns/page1.html	
Science planning for the LTRMP						
FY03 - Draft report circulated to partners for comment.	15-Mar-2003	✓	Expect by 28 April 2003			
FY03 - Final draft submitted for comment.	01-May-2003	✓	Step down plans completed.			
FY03 - Final report completed and submitted to COE.	30-Jun-2003	Terminated	Report expanded to include priority studies and implementation plan.		Project terminated due to no funding; partial report in draft and on-file at UMESC	