

LTRMP Milestones

FY 2004, Fourth 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	2nd revision submitted to editorial staff on 17 Sept. 2004
Submit final draft of WEB-based annual Component Update with 2003 data to COE and USGS.	30-Jul-04				Submitted for review	95% complete. Need final OK from Branch Chief and Center Director.
Complete aquatic vegetation sampling for Pools 4, 8, 13, 26, and La Grange Pool	31-Aug-04	15-Sep-2004 ✓			On-going	Completed
FY02 - Submit draft floodplain forest report for review.	30-Jun-02	✓	Submitted to Regulated Rivers		Awaiting word from publisher	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.	Awaiting final draft from author
Submit final draft of WEB-based annual Component Update with 2003 data to COE and USGS.	30-Aug-04	14-Oct-2004 ✓		Report run, compiling links. Graphical Fish Database Browser updated 12 May 2004	80% complete	99% complete. Undergoing editorial review. Expect deliver by 30 September. Completed: http://www.umesc.usgs.gov/reports_publications/ltrmp/fish/2003/fish-srs.html
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.)	Returned to author on 8-8-2004 for final revisions. Expected 30 Sept. 2004
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	2nd draft pending from author: Irons et al.
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	Periods 1 & 2 completed; Period 3 underway
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	In UMESC review

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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	Barko et al. report returned to author on 8-20-2004 for final revisions. Expected 30 Sept. 2004 Kirby et al. report received, undergoing revision based on further statistical review.
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)	
FY03 - Complete 2000-2002 Fish Monitoring Annual Reports (WEB).	30-May-2003	16-Sep-2004 ✓	All submitted to UMESC review in April 2003 - awaiting comments and revisions (2 Feb. 2004)	In UMESC review	In UMESC review	Completed: http://www.umesc.usgs.gov/reports_publications/ltrmp/fish.html
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	2nd draft with recommended editorial revisions submitted to branch chief on 11 August
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	Submitted to Branch Chief on June 21, under review
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	02-Sep-2004 ✓			Pools 4, 8, 13, and La Grange complete. Awaiting data from Pool 26.	Completed: www.umesc.usgs.gov/data_library/macroinvertebrate/invert1_query.html
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	3 field stations have completed final check; awaiting 3 field stations (notification to field stations of need for corrections sent out in July)

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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	Returned 8-20-2004 to author for final revisions.
Submit first draft of WEB-based annual report with 2003 data for review.	15-Sep-2004					Awaiting prioritization list from LTRMP management and COE
Complete fixed site and SRS sampling for Pools 4, 8, 13, 26, Open River, and La Grange Pool	30-Sep-2004					SRS sampling completed
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		Tables and figures still need to be done.	Awaiting prioritization list from LTRMP management and COE
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.	Awaiting prioritization list from LTRMP management and COE
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.	Awaiting prioritization list from LTRMP management and COE
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	Awaiting prioritization list from LTRMP management and COE
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 Nov. 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	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	Manuscript changed to LTRMP series with detailed modeling information in Appendix. Draft 30 Sept. 2004
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

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Status and Trends Report						
Develop outline of Status and Trends report	30-Sep-2004	17-Sep-2004 ✓				Draft completed; submitted to LTRMP Management team 17 Sept. 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	23-Aug-2004 ✓			Photo interpretation complete, automation in progress and on schedule.	Completed
FY03 - HNA fish validation	15-May-03	1-Sep-04 ✓	Draft report completed and reviewed. Final version to be completed 15 August 2004			Completed
Assessment of Program Structure						
Structural Assessment Team organized	01-Jan-2004	✓		Completed		
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	10-Sep-2004 ✓	In Review; Expect by August 2004		Final revision pending - on schedule	Completed: http://www.umesc.usgs.gov/reports_publications/psrs/umesc_psr.html
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/pa	
FY00 - A suspended sediment budget for Pool 13 and La Grange of the Upper Mississippi River	30-Sep-2000	01-Sep-2004 ✓				Completed: ftp://ftp.umesc.usgs.gov/pub/media_archives/documents/reports/2004/04t004.pdf
Science planning for the LTRMP						
FY03 - Draft report circulated to partners for comment.	15-Mar-2003	✓	Expect by 28 April 2003			

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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	