

Texas Water Resources Institute
NPS 319(h) FY12_Carters Creek TMDL Implementation
Contract No. 582-13-30059

Progress Report

Quarter 13: Covering September 1, 2015 through November 30, 2015

Task No.	Deliverable	Deliverable Due Date	Submittal Date	Quarterly Activity and Summary
1.2	Quarterly Report - Sept. - Nov. 2012	December 15, 2012	12/7/12	Complete.
1.2	Quarterly Report - Dec. 2012-Feb. 2013	March 15, 2013	3/12/13	Complete.
1.2	Quarterly Report - March-May 2013	June 15, 2013	6/12/13	Complete.
1.2	Quarterly Report - June - August, 2013	September 15, 2013	9/11/13	Complete.
1.2	Quarterly Report - Sept. - Nov., 2013	December 15, 2013	12/3/13	Complete.
1.2	Quarterly Report - Dec. 2013- Feb. 2014	March 15, 2014	3/11/14	Complete.
1.2	Quarterly Report - March - May, 2014	June 15, 2014	6/13/14	Complete.
1.2	Quarterly Report - June - August, 2014	September 15, 2014	9/15/14	Complete.
1.2	Quarterly Report - Sept. - Nov., 2014	December 15, 2014	12/15/14	Complete.
1.2	Quarterly Report - Dec. 2014 - Feb., 2015	March 15, 2015	3/2/15	Complete.
1.2	Quarterly Report - March - May, 2015	June 15, 2015	6/5/15	Complete.
1.2	Quarterly Report - June - August, 2015	September 15, 2015	9/9/15	Complete.
1.2	Quarterly Report - Sept - Nov. 2015	December 15, 2015	12/4/15	Complete.
1.2	Quarterly Report - Dec 2015 - Feb 2016	March 15, 2016		To be submitted by due date.
1.3	Quarterly Reimbursement Requests - Dec. 2012-Feb. 2013	March 30, 2013	2/28/13	Complete.
1.3	Quarterly Reimbursement Requests - March - May 2013	June 30, 2013	5/31/13	Complete.
1.3	Quarterly Reimbursement Requests - June - August, 2013	September 30, 2013	8/31/13	Complete.
1.3	Quarterly Reimbursement Requests - Sept. - Nov., 2013	December 30, 2013	4/28/14	Complete.

1.3	Quarterly Reimbursement Requests - Dec. 2013 - Feb., 2014	March 30, 2014	4/28/14	Complete.
1.3	Quarterly Reimbursement Requests - March - May, 2014	June 30, 2014	7/31/14	Complete.
1.3	Quarterly Reimbursement Requests - June - August, 2014	September 30, 2014	10/13/14	Complete.
1.3	Quarterly Reimbursement Requests - Sept. - Nov., 2014	December 30, 2014	12/12/14	Complete.
1.3	Quarterly Reimbursement Requests - Dec. 2014 - Feb., 2015	March 30, 2015	3/13/15	Complete.
1.3	Quarterly Reimbursement Requests - March - May, 2015	June 30, 2015	6/4/15	Complete.
1.3	Quarterly Reimbursement Requests - June - August, 2015	September 30, 2015	9/15/15	Complete.
1.3	Quarterly Reimbursement Requests - Sept. - Nov., 2015	December 30, 2015	12/15/15	To be submitted by due date.
1.3	Quarterly Reimbursement Requests - Dec. 2015 - Feb., 2016	March 30, 2016		To be submitted by due date.
1.4	Contract Communication	Continuously as Needed	continuously	numerous phone calls and emails between TCEQ and TWRI occurred over the quarter
1.5	Annual Report Article for the <i>Nonpoint Source Annual Report</i>	As Requested by TCEQ		To be submitted by due date.
1.5	Annual Report Article for the <i>Nonpoint Source Annual Report</i>	As Requested by TCEQ		To be submitted by due date.
1.6	EPA Coordination Meeting	Approximate mid-point of project		To be completed by due date.
2.1	QAPP Planning Meeting	By end of 1st Quarter	10/1/12	Complete.
2.2	Draft and Final QAPP	More than 120 days prior to environmental data operations	Draft 11/1/2012 Final 1/31/2013	Task complete.
2.3	Data Collection	Monthly following data collection start date		Task complete.
2.4	Draft and Final QAPP Updates	More than 60 days prior to end of QAPP effective period	Draft V2: 10/8/2013 Final V2: 11/25/13	Task complete.
2.5	Draft and Final QAPP Amendments	More than 90 days prior to initiation	Draft V3: 5/2/2015 Final: approval received 10/27/2015	Task complete.
2.6	Data Submittals for SWQMIS upload	semi-annual	5/5/15	Task complete.
2.6	Data Submittals for public release	More than two weeks prior		To be submitted by due date.

3.1	Watershed GIS Survey--map locations of possible contamination	By end of quarter 6.		Existing layers being updated.
3.2	Physical Watershed Survey--map where direct depositions	By end of quarter 8.		Survey mapping completed and maps being incorporated into task report.
3.3	Data Transfer to GIS coordinators for future use in TMDL I-Plan	By end of quarter 13.		No activity to report this quarter.
3.4	Watershed Survey Assessment	By end of quarter 13.		Watershed survey completed and described in draft task report currently in progress.
3.5	Task Report--Watershed Source Survey and GIS Mapping; summary and problem areas	By end of quarter 13.		Task report under way.
4.1	Station establishment, SLOC requests	By end of quarter 1.		Task complete.
4.2	Routine water quality monitoring	Monthly following data collection start date		Task complete.
4.3	Stormwater quality monitoring	dependent upon runoff producing events		Task complete.
4.4	Data transmitted to TCEQ for SWQMIS	semi-annual		Complete.
4.5	Water quality data assesment--trend analyses and graphics	By end of quarter 11.	11/17/15	Task complete. Included in draft Task Report.
4.6	Task report--Routine and Stormflow Water Quality Monitoring	By end of quarter 13.	11/17/15	Report review and editing in process and should be completed early next quarter.
5.1	Station establishment--Texas Stream Team 10 monitoring sites	By end of quarter 1.	11/8/12	Task complete.
5.2	Volunteer monitors organized and trained	As needed throughout monitoring	11/13/15	Task complete. Four additional volunteers trained for later monitoring.
5.3	Volunteer monitoring	Monthly following data collection start date		Task complete.
5.4	Data collection and sample analysis	Monthly following data collection start date		Task complete.
5.5	Data submitted to Texas Stream Team and TWRI for data management	Monthly following data collection start date		Task complete.
5.6	Water quality trend analyses and graphics to identify problem areas	By end of quarter 11.	11/17/15	Task complete. Included in draft Task Report.
5.7	Task Report--Reconnaissance Sampling	By end of quarter 13.	11/17/15	Report review and editing in process and should be completed early next quarter.
6.1	Meeting minutes, agendas and announcements	After each semi-annual meeting	6/1/15	Annual update held June 1, 2015.
6.2	Website updated/maintained	As needed throughout project	Continuous	Project website and Facebook page updated as needed throughout the quarter.

6.3	Project informational publications	As needed throughout project		No activity to report this quarter.
6.4	Task Report--Stakeholder Engagement	Quarter 14		Draft report being developed. Will be submitted early next quarter.
7.1	Tributary Monitoring	Quarter 12	7/8/15	Task complete.
7.2	Tributary Monitoring Assessment	Quarter 12	7/30/15	Task complete.
7.3	Investigative Sampling	Quarter 13	8/12/15	Task complete.
7.4	Data Collection and Analysis	Quarter 13	8/15/15	Task complete.
7.5	Data Management	Quarter 13	9/23/15	Task complete.
7.6	Task Report	Quarter 13	10/30/15	Draft report complete, minor revisions in progress.
8.1	Draft Project Report	By end of quarter 14.		Development of final report began this quarter.
8.2	Final Project Report	By end of quarter 14.		To be submitted by due date.

**Task
No.**

Task Name

Description of Activities

TCEQ Comments

Task No.	Task Name	Description of Activities	TCEQ Comments
1	Project Administration	Activities this quarter have focused on maintaining contact with the TCEQ PM and ensuring progress in completing project deliverables and effectively utilizing project funds prior to project completion.	
2	Quality Assurance	The QAPP annual revision was requested and approved this quarter.	
3	Watershed Source Survey and GIS Mapping	Acquired GIS layers were currently being updated to ensure that the latest information is included in the watershed GIS. Task report development is underway.	
4	Routine and Stormflow Water Quality Monitoring	Data analysis was completed this quarter and the draft task report was completed and sent to TCEQ. Minor revisions are in progress.	

5	Reconnaissance Sampling	Data analysis was completed this quarter and the draft task report was completed and sent to TCEQ. Minor revisions are in progress.	
6	Stakeholder Engagement	Task report development is underway.	
7	Exploratory Bacteria Loading Area Sampling	Focused sampling across the watershed in selected areas was initiated and completed this quarter during the course of two sampling events. Data analysis is nearing completion and report development is underway.	
8	Project Report	Project report development is under way; the task reports will be condensed and combined into the the project report.	

