

Texas Water Resources Institute
NPS 319(h) FY12_Carters Creek TMDL Implementation
Contract No. 582-13-30059
Progress Report
Quarter 12: Covering June 1, 2015 through August 31, 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	June 15, 2015		To be submitted by due date.
1.2	Quarterly Report - Dec 2015 - Feb 2016	September 15, 2015		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	To be submitted by due date.
1.3	Quarterly Reimbursement Requests - Sept. - Nov., 2015	December 30, 2013		To be submitted by due date.
1.3	Quarterly Reimbursement Requests - Dec. 2015 - Feb., 2016	March 30, 2014		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	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	Complete.
2.5	Draft and Final QAPP Amendments	More than 90 days prior to initiation	Draft V3: 5/2/2015 Final: In Progress	Task complete.
2.6	Data Submittals for SWQMIS upload	semi-annual	5/5/15	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.		Layers updated as appropriate when new information becomes available.

3.2	Physical Watershed Survey--map where direct depositions	By end of quarter 8.		On going.
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.		On going. Summer interns will write up results next quarter.
3.5	Task Report--Watershed Source Survey and GIS Mapping; summary and problem areas	By end of quarter 13.		To be submitted by due date.
4.1	Station establishment, SLOC requests	By end of quarter 1.	10/22/12	Task complete.
4.2	Routine water quality monitoring	Monthly following data collection start date	12/3/2014, 1/7/2015, 2/4/2015	Task complete.
4.3	Stormwater quality monitoring	dependent upon runoff producing events	storm sample collection ended in October 2014	Task complete.
4.4	Data transmitted to TCEQ for SWQMIS	semi-annual	5/5/15	Complete.
4.5	Water quality data assesment--trend analyses and graphics	By end of quarter 11.		In progress.
4.6	Task report--Routine and Stormflow Water Quality Monitoring	By end of quarter 13.		In progress.
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		No activity to report this quarter. Task complete.
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	in progress	Final data submission will be completed early next quarter
5.6	Water quality trend analyses and graphics to identify problem areas	By end of quarter 11.		In progress.
5.7	Task Report--Reconnaissance Sampling	By end of quarter 13.		In progress.
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		To be submitted by due date.
7.1	Tributary Monitoring	Quarter 12	7/8/15	Tributary monitoring was completed this quarter during a three day sampling event on July 6 - 8.
7.2	Tributary Monitoring Assessment	Quarter 12	7/30/15	Data from tributary monitoring was assessed and plan for intensive sampling generated.
7.3	Investigative Sampling	Quarter 13	8/12/15	Investigative sampling was completed over a three day sampling period spanning August 10 - 12.
7.4	Data Collection and Analysis	Quarter 13	8/15/15	Field data collection and lab sample processing were completed as described in the project QAPP.
7.5	Data Management	Quarter 13		data have been inputted into Excel spreadsheet and are awaiting formatting for transmission to TCEQ
7.6	Task Report	Quarter 13		Task report is in progress.
8.1	Draft Project Report	By end of quarter 14.		To be submitted by due date.
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. A no cost extension for the project was completed along with a workplan revision.	
2	Quality Assurance	A QAPP amendment was completed in association with the workplan revision. The QAPP amendment allowed for intensive sampling to be conducted.	
3	Watershed Source Survey and GIS Mapping	Initial data collection and aggregation is complete; however, layers are updated as new information becomes available. Additional information is continually added to the GIS as it is developed. Data from the	
4	Routine and Stormflow Water Quality Monitoring	Data analysis and task report development continued this quarter.	

5	Reconnaissance Sampling	Data analysis and task report development continued this quarter.	
6	Stakeholder Engagement	An annual update meeting for the project was held on June 1. Meeting announcements and agendas were developed and distributed in preparation for the meeting. Meeting notes are also attached.	
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	Task reports are under way and will be combined in the the project report.	

