

**Texas Water Resources Institute**  
**NPS 319(h) FY12\_Carters Creek TMDL Implementation**  
**Contract No. 582-13-30059**

**Progress Report**

**Quarter 6: Covering December 1, 2013 through February 28, 2014**

<b>Task No.</b>	<b>Deliverable</b>	<b>Deliverable Due Date</b>	<b>Submittal Date</b>	<b>Quarterly Activity and Summary</b>
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		To be submitted by due date.
1.2	Quarterly Report - June - August, 2014	September 15, 2014		To be submitted by due date.
1.2	Quarterly Report - Sept. - Nov., 2014	December 15, 2014		To be submitted by due date.
1.2	Quarterly Report - Dec. 2014 - Feb., 2015	March 15, 2015		To be submitted by due date.
1.2	Quarterly Report - March - May, 2015	June 15, 2015		To be submitted by due date.
1.2	Quarterly Report - June - August, 2015	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		To be submitted by due date.
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1.3	Quarterly Reimbursement Requests - June - August, 2015	September 30, 2015		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.
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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	On going	First data collection occurred on February 27, 2013; monthly thereafter.
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	To be submitted by due date.
2.5	Draft and Final QAPP Amendments	More than 90 days prior to initiation		To be submitted by due date as needed.
2.6	Data Submittals for SWQMIS upload	semi-annual	11/13/13	On going
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.	In Progress	To be submitted by due date.
3.2	Physical Watershed Survey--map where direct depositions	By end of quarter 8.		To be submitted by due date.
3.3	Data Transfer to GIS coordinators for future use in TMDL I-Plan	By end of quarter 11.		To be submitted by due date.
3.4	Watershed Survey Assessment	By end of quarter 11.		To be submitted by due date.
3.5	Task Report--Watershed Source Survey and GIS Mapping; summary and problem areas	By end of quarter 12.		To be submitted by due date.

4.1	Station establishment, SLOC requests	By end of quarter 1.	10/22/12	One SLOC request needed for SWQMIS, requested 10/15/2012; station created on 10/22/2012
4.2	Routine water quality monitoring	Monthly following data collection start date	continuous monthly	Routine sampling continued as planned with one event per month.
4.3	Stormwater quality monitoring	dependent upon runoff producing events	Samples were collected for rain events on 12/21/2013, 01/09/2014, and 02/26/2014.	Awaiting rain event for additional sampling.
4.4	Data transmitted to TCEQ for SWQMIS	semi-annual	11/13/13	On going
4.5	Water quality data assesment--trend analyses and graphics	By end of quarter 11.		To be submitted by due date.
4.6	Task report--Routine and Stormflow Water Quality Monitoring	By end of quarter 12.		To be submitted by due date.
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	continuous	Additional volunteer training events were held 01/20/2014 with 6 volunteers trained and 02/28/2014 with 14 volunteers trained.
5.3	Volunteer monitoring	Monthly following data collection start date	continuous monthly	Volunteer sampling continued as planned with one event per month.
5.4	Data collection and sample analysis	Monthly following data collection start date	continuous monthly	Samples have been collected monthly as planned with no holding time issues. Analytical analysis completed on samples collected.
5.5	Data submitted to Texas Stream Team and TWRI for data management	Monthly following data collection start date	continuous monthly	TST database issues resolved. Continuing to update TST database after each volunteer sampling event.
5.6	Water quality trend analyses and graphics to identify problem areas	By end of quarter 11.		To be submitted by due date.
5.7	Task Report--Reconnaissance Sampling	By end of quarter 12.		To be submitted by due date.
6.1	Meeting minutes, agendas and announcements	After each semi-annual meeting	11/21/13	The Texas Riparian and Stream Ecosystem Education Program held a workshop on land and water stewardship on 11/21. Lucas Gregory gave a presentation updating the attendees on the progress of the Carters Project. Agenda is attached
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	11/15/13	An article in TWRI's Conservation Matters newsletter was developed to advertise the Texas Riparian and Stream Ecosystem Education Program workshop. <a href="http://twri.tamu.edu/publications/conservation-matters/2013/november/riparian-workshop/">http://twri.tamu.edu/publications/conservation-matters/2013/november/riparian-workshop/</a>
6.4	Task Report--Stakeholder Engagement	Quarter 12		To be submitted by due date.
7.1	Draft Project Report	By end of quarter 11.		To be submitted by due date.
7.2	Final Project Report	By end of quarter 12.		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 development of the 6th QPR and maintaining contact with the TCEQ PM.	
2	Quality Assurance	QAPP Update was signed and approved this quarter.	
3	Watershed Source Survey and GIS Mapping	Data aggregation/collection is continuing. Maps are being created.	
4	Routine and Stormflow Water Quality Monitoring	Routine sampling continued this quarter on 12/18; 01/29 and 02/26. Stormwater samples were collected on 12/21/2013, 01/09/2014, and 02/26/2014.	
5	Reconnaissance Sampling	Volunteer monitors continued to be sought and training events were held on 01/29/2014 with 6 additional volunteers and 02/28/2014 with 14 additional volunteers being trained. The facebook page was updated to continue to facilitate communication with volunteers. Reconnaissance sampling occurred in conjunction with routine sampling.	

6	Stakeholder Engagement	The Texas Riparian and Stream Ecosystem Education Program held a workshop on land and water stewardship in the Carters Creek watershed on 11/21/2013. A presentation was given updating the attendees on the progress of the project.	
7	Project Report	No activity to report this quarter.	









