

**Texas Water Resources Institute**  
**NPS 319(h) FY12\_Carters Creek TMDL Implementation**  
**Contract No. 582-13-30059**  
**Progress Report**  
**Quarter 11: Covering March 1, 2015 through May 31, 2015**

| <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               | 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          |                       | 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.                             |

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| 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  |   | 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<br>Final 1/31/2013        | Complete.   |
| 2.3 | Data Collection  | Monthly following data collection start date              | 12/3/2014, 1/7/2015, 2/4/2015             | Original water quality data collection complete; plans to add an additional intensive monitoring task in place. |
| 2.4 | Draft and Final QAPP Updates                                       | More than 60 days prior to end of QAPP effective period   | Draft V2: 10/8/2013<br>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                     | Draft V3: 5/2/2015<br>Final: In Progress  | To be submitted by due date as needed.  |
| 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 11.                                     |   | No activity to report this quarter.   |
| 3.4 | Watershed Survey Assessment  | By end of quarter 11.                                     |   | On going. Summer interns will continue this task throughout the summer.   |

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| 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                                      | 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 12.                        |   | 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              |   | TWRI trained 8 new volunteers on 5/30/2015 who will carry on monitoring at selected locations within the watershed. |
| 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 12.                        |   | In progress.  |
| 6.1 | Meeting minutes, agendas and announcements                                      | After each semi-annual meeting               | meeting schuedule for June 1                  | Agendas and announcements sent; see 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                 |   | No activity to report this quarter.   |
| 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**

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|---|--|--|--|
| 1 | Project Administration                         | Activities this quarter have focused on development of the 10th QPR and maintaining contact with the TCEQ PM. A no cost extension for the project was initiated and approval is still pending. A workplan revision was developed in association with the extension. The project close out plan was developed to project expenditures for the remainder of the project. |  |
| 2 | Quality Assurance                              | A QAPP amendment was initiated in association with the pending workplan revision. The QAPP is under review and awaiting signatures.  |  |
| 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.  |  |
| 4 | Routine and Stormflow Water Quality Monitoring | No additional monitoring was conducted. Data were validated and submitted to TCEQ for inclusion in SWQMIS. Data analysis and task report development is under way.   |  |
| 5 | Reconnaissance Sampling                        | No additional sampling was conducted this quarter as the planned sampling was completed in February. Additional volunteers were trained as part of transitioning monitoring to a long term monitoring group.   |  |
| 6 | Stakeholder Engagement                         | The next stakeholder update meeting is planned for June 1. Meeting announcements and agendas were developed and distributed in preparation for the meeting.  |  |
| 7 | Project Report                                 | No activity to report this quarter.  |  |











