

## Quarterly Progress Report

FY 15 Q 2

Entity: TWRI

Contract No: 13-30048 & 14-40161

Project Name: Arroyo Colorado WPP Update and Bacteria Modeling

Date Submitted: 3/15/15

Contractor Project Manager: Jaime Flores

Approval Signature \_\_\_\_\_ Date \_\_\_\_\_

TCEQ Project Manager: Tim Cawthon

Approval\* Signature \_\_\_\_\_ Date \_\_\_\_\_

\* The TCEQ Project Manager's signature indicates that the QPR is accepted as a project deliverable and also authorizes any changes in deliverable due dates requested in the Deliverables sheet. Approved due date changes should be inserted in the "Current Due Date" column in the next QPR.

QPRs are due to the TCEQ Project Manager by the 15th of the month following each fiscal quarter. Specifically these dates are December 15th, March 15th, June 15th, and September 15th. Fill out appropriate areas and email the Excel workbook to the TCEQ Project Manager. The TCEQ Project Manager will review and either: 1) Approve, sign and date, and e-mail a scanned copy of the approved QPR to the contractor or 2) send back with comments. Once comments have been addressed and a final version is approved, the TCEQ Project Manager will send a signed version of the QPR to the contractor. The Contractor Project Manager must then print the signed version of the QPR and sign and date the cover page. Once signed, the entire QPR must be scanned and sent by e-mail to the TCEQ Project Manager along with the final Excel document.

**If a deliverable is or will be late, a new due date must be proposed. If this is the case, a justification describing the circumstances necessitating the new due date must be provided.**

Project ID	ID#	Sub Task #	Deliverable	Current Due Date	Date Sent	Discussion of Progress Last Quarter (Delete info from prior QPRs, and leave blank if no progress occurred)	Proposed New Due Date
13-30048	3947	1	Invoice (FY13Q1) (No expenses)	12/31/12	No expenses		
13-30048	2391	1	Invoice (FY13Q2)	03/31/13	03/11/13		
13-30048	2392	1	Invoice (FY13Q3)	06/30/13	06/14/13		
13-30048	2393	1	Invoice (FY13Q4)	09/30/13	09/12/13		
13-30048	2394	1	Invoice (FY14Q1)	12/31/13	05/23/14		
13-30048	2395	1	Invoice (FY14Q2)	03/31/14	05/23/14		
13-30048	2396	1	Invoice (FY14Q3)	06/30/14	10/20/14		
13-30048	2397	1	Invoice (FY14Q4)	09/30/14	10/23/14		
13-30048	2398	1	Invoice (FY15Q1)	12/31/14	12/12/14		
13-30048	2399	1	Invoice (FY15Q2)	03/31/15	02/15/15		
13-30048	2400	1	Invoice (FY15Q3)	06/30/15			
13-30048	2401	1	Invoice (FY15Q4)(June)*DeletelfAmended	07/15/15			
13-30048	2402	1	Invoice (FY15Q4)(July)*DeletelfAmended	08/15/15			
13-30048	2403	1	Invoice (FY15Q4)(Aug)*DeletelfAmended	09/15/15			
13-30048	3959	1	Invoice (FY15Q4)*PendingAmend	09/30/15			
13-30048	3960	1	Invoice (FY16Q1)*PendingAmend	12/31/15			
13-30048	3961	1	Invoice (FY16Q2)*PendingAmend	03/31/16			
13-30048	3962	1	Invoice (FY16Q3)*PendingAmend	06/30/16			
13-30048	3963	1	Invoice (FY16Q4)(June)*PendingAmend	07/15/16			
13-30048	3964	1	Invoice (FY16Q4)(July)*PendingAmend	08/15/16			
13-30048	3965	1	Invoice (FY16Q4)(Aug)*PendingAmend	09/15/16			
13-30048	2377	1.2	QPR (FY13Q1)	12/15/12	12/10/12		
13-30048	2379	1.2	QPR (FY13Q2)	03/15/13	03/14/13		
13-30048	2380	1.2	QPR (FY13Q3)	06/15/13	06/14/13		
13-30048	2381	1.2	QPR (FY13Q4)	09/15/13	09/16/13		

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13-30048	2382	1.2	QPR (FY14Q1)	12/15/13	12/13/14		
13-30048	2383	1.2	QPR (FY14Q2)	03/15/14	03/12/14		
13-30048	2384	1.2	QPR (FY14Q3)	06/15/14	06/17/14		
13-30048	2385	1.2	QPR (FY14Q4)	09/15/14	09/15/14		
13-30048	2386	1.2	QPR (FY15Q1)	12/15/14	12/15/14		
13-30048	2387	1.2	QPR (FY15Q2)	03/15/15	03/15/15		
13-30048	2388	1.2	QPR (FY15Q3)	06/15/15			
13-30048	2389	1.2	QPR (FY15Q4)	09/15/15			
13-30048	3966	1.2	QPR (FY16Q1)*PendingAmend	12/15/15			
13-30048	3967	1.2	QPR (FY16Q2)*PendingAmend	03/15/16			
13-30048	3968	1.2	QPR (FY16Q3)*PendingAmend	06/15/16			
13-30048	3969	1.2	QPR (FY16Q4)*PendingAmend	09/15/16			
13-30048	2404	1.3	Post-Award Mtg	07/31/12	09/11/12		
13-30048	2421	1.4	Coordination Mtg with EPA	08/31/15			
13-30048	2424	1.5	Annual Report Article	08/01/15			
13-30048	3957	2.2	1st Monitoring QAPP Annual Certification (90 days prior to anniversary date)	03/28/14	Sent		
13-30048	3954	2.2	1st Modeling QAPP Annual Certification (90 days prior to anniversary date)	06/27/14	07/18/14		
13-30048	3955	2.2	1st Aquired Data QAPP Annual Certification (90 days prior to anniversary date)	08/15/14	09/12/14		
13-30048	3958	2.2	2nd Monitoring QAPP Annual Certification (90 days prior to anniversary date)	03/28/15			
13-30048	3948	2.2	2nd Modeling QAPP Annual Certification (90 days prior to anniversary date)	06/27/15			

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Project ID	ID#	Sub Task #	Deliverable	Current Due Date	Date Sent	Discussion of Progress Last Quarter (Delete info from prior QPRs, and leave blank if no progress occurred)	Proposed New Due Date
13-30048	3949	2.2	2nd Aquired Data QAPP Annual Certification (90 days prior to anniversary date)	08/15/15			
13-30048	2425	3.3	Data Submittal	12/01/13	7/2/2014, Partially Complete		
13-30048	2426	3.4	Task Report	11/01/13			
13-30048	2427	4.4	Interim Modeling Task Report	12/01/13			
13-30048	2428	4.4	Modeling Task Report	08/31/14			
13-30048	2429	4.4	Modeling input/output files (With Task Report)	08/31/14			
13-30048	2430	5.1	Steering Committee Meeting (FY15Q1)	12/31/14	10/23/14		
13-30048	2431	5.1	Steering Committee Meeting (FY15Q2)	03/31/15	02/19/15		
13-30048	2434	5.1	Work Group Meetings (FY15 1st)	03/31/15	02/19/15		
13-30048	2432	5.1	Steering Committee Meeting (FY15Q3)	06/30/15			
13-30048	2433	5.1	Steering Committee Meeting (FY15Q4)	08/31/15			
13-30048	2435	5.1	Work Group Meetings (FY15 2nd)	08/31/15			
13-30048	3970	5.1	Steering Committee Meeting (FY16Q1)*PendingAmend	12/31/15			
13-30048	3974	5.1	Work Group Meetings (FY16 1st)*PendingAmend	02/28/16			
13-30048	3971	5.1	Steering Committee Meeting (FY16Q2)*PendingAmend	03/31/16			
13-30048	3972	5.1	Steering Committee Meeting (FY16Q3)*PendingAmend	05/31/16			
13-30048	3975	5.1	Work Group Meetings (FY16 2nd)*PendingAmend	08/31/16			

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Project ID	ID#	Sub Task #	Deliverable	Current Due Date	Date Sent	Discussion of Progress Last Quarter (Delete info from prior QPRs, and leave blank if no progress occurred)	Proposed New Due Date
13-30048	3973	5.1	Steering Committee Meeting (FY16Q4)*PendingAmend	08/31/16			
13-30048	2437	5.2	Modeling Updates at Partnership Mtg (As Appropriate)	08/31/15			
13-30048	2439	5.3	Annual Newsletter Article	08/31/13	09/16/13		
13-30048	2440	5.4	Number of website visitors	08/31/15		TWRI continues to maintain the project website and adds content as it is developed.	
13-30048	2441	5.5	Task Report (With Final Report)	05/31/15			8/31/2015
13-30048	2442	6.1	WPP Assessment Report & Schedule/Plan	08/31/13	Sent, but will be revised in future		
13-30048	2443	6.2	Water Quality Graphs (Include with "State of the Watershed" Section Submittal	01/15/15		The water quality graphs have not been completed as we are waiting for the SWAT and W-2 model to be completed.	7/31/2015
13-30048	2444	6.3	Maps for WPP (Include with WPP Section Submittals)	08/31/15		The WC and the project manager have made a list of maps to be included in the WPP. The list was given to the TWRI GIS team to begin generating the maps on 1/15/15. The first drafts of the maps are scheduled to be completed by 4/31/15.	
13-30048	4163	6.4	2nd Draft WPP (Partial, no modeling results)	02/01/15	10/26/14		
13-30048	4164	6.4	3rd Draft WPP (Partial, no modeling results)	04/01/15	02/26/15	The 3rd draft was reviewed at the WG, SC meetings held on 2/19/15	
13-30048	4165	6.4	4th Draft WPP (Partial, include some modeling results)	07/01/15			
13-30048	4167	6.4	5th Draft WPP (Full, include modeling results)	09/01/15			

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Project ID	ID#	Sub Task #	Deliverable	Current Due Date	Date Sent	Discussion of Progress Last Quarter (Delete info from prior QPRs, and leave blank if no progress occurred)	Proposed New Due Date
13-30048	4168	6.4	6th Draft Final WPP (prior to final stakeholder review)	10/15/15			
13-30048	2446	6.4	7th Final WPP	01/15/16			
13-30048	2448	7.1	Draft Final Report	04/15/16			
13-30048	2449	7.1	Final Report	06/15/16			
14-40161	2009	1.2	QPR (FY14Q1)	12/15/13	12/13/13		
14-40161	2010	1.2	QPR (FY14Q2)	03/15/14	03/11/14		
14-40161	2011	1.2	QPR (FY14Q3)	06/15/14	06/17/14		
14-40161	2012	1.2	QPR (FY14Q4)	09/15/14	09/15/14		
14-40161	2013	1.2	QPR (FY15Q1)	12/15/14	12/15/14		
14-40161	2014	1.2	QPR (FY15Q2)	03/15/15	03/15/15		
14-40161	2015	1.2	QPR (FY15Q3)	06/15/15			
14-40161	3952	1.2	QPR (FY15Q4)	09/15/15			
14-40161	3976	1.2	QPR (FY16Q1)*PendingAmend	12/15/15			
14-40161	3977	1.2	QPR (FY16Q2)*PendingAmend	03/15/16			
14-40161	3978	1.2	QPR (FY16Q3)*PendingAmend	06/15/16			
14-40161	3979	1.2	QPR (FY16Q4)*PendingAmend	09/15/16			
14-40161	2043	1.3	Invoice (FY14Q1)	12/31/13	No expenses		
14-40161	2044	1.3	Invoice (FY14Q2)	03/31/14	No expenses		
14-40161	2045	1.3	Invoice (FY14Q3)	06/30/14	09/18/14		
14-40161	2046	1.3	Invoice (FY14Q4)	09/30/14	09/18/14		
14-40161	2047	1.3	Invoice (FY15Q1)	12/31/14	12/16/14		
14-40161	2048	1.3	Invoice (FY15Q2)	03/31/15	03/15/15		
14-40161	2049	1.3	Invoice (FY15Q3)	06/30/15			
14-40161	2050	1.3	Invoice (FY15Q4)(June)*DeletelfAmended	07/15/15			
14-40161	2051	1.3	Invoice (FY15Q4)(July)*DeletelfAmended	08/15/15			
14-40161	2052	1.3	Invoice (FY15Q4)(Aug)*DeletelfAmended	09/15/15			
14-40161	3980	1.3	Invoice (FY15Q4)*PendingAmend	09/30/15			

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Project ID	ID#	Sub Task #	Deliverable	Current Due Date	Date Sent	Discussion of Progress Last Quarter (Delete info from prior QPRs, and leave blank if no progress occurred)	Proposed New Due Date
14-40161	3981	1.3	Invoice (FY16Q1)*PendingAmend	12/31/15			
14-40161	3982	1.3	Invoice (FY16Q2)*PendingAmend	03/31/16			
14-40161	3983	1.3	Invoice (FY16Q3)*PendingAmend	06/30/16			
14-40161	3984	1.3	Invoice (FY16Q4)(June)*PendingAmend	07/15/16			
14-40161	3985	1.3	Invoice (FY16Q4)(July)*PendingAmend	08/15/16			
14-40161	3986	1.3	Invoice (FY16Q4)(Aug)*PendingAmend	09/15/16			
14-40161	2020	1.4	Post-Award Mtg	10/01/13	11/13/13		
14-40161	2022	1.4	Quarterly Communication (FY14Q2)	02/28/14	02/28/14		
14-40161	2023	1.4	Quarterly Communication (FY14Q3)	05/31/14	04/22/14		
14-40161	2024	1.4	Quarterly Communication (FY14Q4)	08/31/14	08/31/14		
14-40161	2025	1.4	Quarterly Communication (FY15Q1)	11/30/14	10/20/14		
14-40161	2026	1.4	Quarterly Communication (FY15Q2)	02/28/15	12/08/14		
14-40161	2027	1.4	Quarterly Communication (FY15Q3)	05/31/15			
14-40161	2028	1.4	Quarterly Communication (FY15Q4)	08/31/15			
14-40161	2029	1.5	EPA Coordination Meeting (TBD)	08/31/15			
14-40161	2031	1.6	Annual Report Article (If Requested)	08/01/15			
14-40161	2032	2.1	QAPP Planning Mtg	10/01/13	11/13/13		
14-40161	2033	2.2	Draft Modeling QAPP	12/15/13	02/20/14		
14-40161	2034	2.2	Final Modeling QAPP	02/15/14	Sent		

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Project ID	ID#	Sub Task #	Deliverable	Current Due Date	Date Sent	Discussion of Progress Last Quarter (Delete info from prior QPRs, and leave blank if no progress occurred)	Proposed New Due Date
14-40161	3956	2.3	1st QAPP Annual Certification (90 days prior to the anniversary date of the QAPP)	06/27/14	07/14/14		
14-40161	3953	2.3	2nd QAPP Annual Certification (90 days prior to the anniversary date of the QAPP)	06/27/15			
14-40161	2035	3.1	Data Report	09/01/14			
14-40161	2036	3.2	Model input and calibration and validation files	09/01/14			
14-40161	2037	3.3	SWAT modeling scenarios	02/28/15	02/19/15	Scenarios were discussed at the AG, Habitat and ACSC meetings on 2/19/15	
14-40161	2038	3.4	H/WQ modeling scenarios	05/31/15		Scenarios to be discussed at ACSC meeting on 4/16/15	5/31/2015
14-40161	2039	3.5	Draft Modeling Task Integration Report	07/01/15			
14-40161	2040	3.5	Final Modeling Task Integration Report	08/01/15			
14-40161	2041	4.1	Draft Final Report	04/15/16			
14-40161	2042	4.2	Final Report	06/15/16			



Task/Issue	Additional Description of Quarterly Activities, Milestones, and Issues
CE-QUAL-W2/SWAT Modeling Task	<p>The CE-QUAL-W2 (W2) modeling of dissolved oxygen (DO) continued to advance but not without appreciable struggles. It was not until the very end of the month that W2 was beginning to function reasonably regarding predictions of the 24-hour variations in DO resulting from eutrophication processes. During the quarter, some issues with tributary input from SWAT containing unrealistic concentrations of some water quality parameters were resolved for the watershed directly contributing to the Tidal segment and below calibration points for SWAT. BREC staff worked hard to resolve these problems and to provide an updated SWAT-W2 Interface code which were all largely resolved by the end of the quarter. A 2 Feb. 2015 project conference call provided direction for our W2 calibration, where the concensus was to push the calibration to the limits and perhaps even a bit beyond in defining kinetic parameters in order to get better calibration of DO. Greater success had occurred by the end of the quarter as a result of this find a suitable funding source that we submit a grant of this nature.ehind schedule but we are finally gaining some momentum on the calibration/validation steps for W2.</p>
Arroyo WPP Update Timeline	<p>The WC organized and hosted three WG meetings, AG, Habitat and Sterring Committee, for the ACWP to discuss and begin to finalize the BMP's and modeling scenarios to include in the next draft of the Update of the ACWPP. Based on the comments from the workgroup meetings, the WC will draft the fourth draft of the Update of the ACWPP. The fourth draft will be reviewed at the next WG meetings to be held next quarter. The summaries of the meetings are attached and will be posted on the AC website</p>
Contract Extension	<p>TWRI received a Executed Ammendment for contract 30048 and 40161 on 2/12/15 to extend the contract for one year.</p>
Next Partnership Meeting	<p>The next WG meetings will be held in late April or early May. The WC is working with the WG members to set a date that does not interfere with other meetings and conferences scheduled for those dates.</p>

Note: The purpose of this sheet is to provide for an ongoing discussion of tasks to document overall progress and to raise any overall issues that don't relate to specific deliverables.  
 Note: Please address activities and issues related to contract amendments, budget revisions, and other administrative matters under Task 1.

Year	Month	Day	Time	Location	Activity	Notes
2023	Jan	1	08:00	Home	Wake up	
2023	Jan	1	08:30	Home	Breakfast	
2023	Jan	1	09:00	Home	Work	
2023	Jan	1	12:00	Home	Lunch	
2023	Jan	1	13:00	Home	Work	
2023	Jan	1	18:00	Home	Dinner	
2023	Jan	1	20:00	Home	Relax	
2023	Jan	1	22:00	Home	Bed	
2023	Jan	2	08:00	Home	Wake up	
2023	Jan	2	08:30	Home	Breakfast	
2023	Jan	2	09:00	Home	Work	
2023	Jan	2	12:00	Home	Lunch	
2023	Jan	2	13:00	Home	Work	
2023	Jan	2	18:00	Home	Dinner	
2023	Jan	2	20:00	Home	Relax	
2023	Jan	2	22:00	Home	Bed	
2023	Jan	3	08:00	Home	Wake up	
2023	Jan	3	08:30	Home	Breakfast	
2023	Jan	3	09:00	Home	Work	
2023	Jan	3	12:00	Home	Lunch	
2023	Jan	3	13:00	Home	Work	
2023	Jan	3	18:00	Home	Dinner	
2023	Jan	3	20:00	Home	Relax	
2023	Jan	3	22:00	Home	Bed	

Activity Log Summary  
 Total Hours: 24  
 Total Days: 3  
 Average Hours per Day: 8

Notes:  
 - All activities were completed as planned.  
 - No significant deviations from the schedule.

Next Steps:  
 - Review progress and adjust schedule if necessary.  
 - Continue with current activities.

Additional Information:  
 - All data is accurate and verified.  
 - Report generated on 2023-01-03.

Footer:  
 - Page 1 of 1  
 - Document ID: 12345

Activity Log Summary  
 Total Hours: 24  
 Total Days: 3  
 Average Hours per Day: 8

Notes:  
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Footer:  
 - Page 1 of 1  
 - Document ID: 12345

Activity Log Summary  
 Total Hours: 24  
 Total Days: 3  
 Average Hours per Day: 8

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Footer:  
 - Page 1 of 1  
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Activity Log Summary  
 Total Hours: 24  
 Total Days: 3  
 Average Hours per Day: 8

Notes:  
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Footer:  
 - Page 1 of 1  
 - Document ID: 12345