## **FINAL REPORT**

Project Name:	San Benito Wetlands Project – Phase II						
Contract:	16-076-000-9120						
Reporting Period	: 10/01/2015 –09/30/2017	10/01/2015 -09/30/2017					
ask 1: Design an	d Permitting						
• Provide a	brief description of status of the task:  not started	in progress <b>X</b> completed					
	major accomplishments for this reporting period (include of events/presentations/meetings and dates for miles						
The City he submitted for review including	operty and sub-contracted with the City to complete prized Coym, Rehmet and Gutierrez Engineering to design to the City Council in June 2016. TWRI submitted the vand approval in September 2016. TWRI and the City of a Texas Commission on Environmental Quality Permit to eliverable(s)/milestone(s) for the project and provide	n the wetland project. The engir wetland construction plans to th btained all necessary local, state o Discharge Wastes.	neer's proposal was ne Texas General Land Off , and federal permits,				
Delivera	ble Name	Date Due	Date Submitted				
Constru	ction plans	October 30, 2016	October 21, 2016				
Permits		August 30, 2016	August 18, 2016				
Contract	(s)/agreement(s) with City of San Benito	August 30, 2016	August 9, 2016				
	ere any problems or obstacles encountered during the revision). Yes XNo If yes, please explain ion		ys, remedial action take				
• Provide a	<b>brief description of status of the task:</b> $\square$ not started	in progress <b>X</b> completed					
	major accomplishments for this reporting period (incl						
TWRI sub	of events/presentations/meetings and dates for miles	stones/deliverables completed.,	)				

The City utilized caliche to expand the trails around the wetlands and construct a road to connect the south and east sides of

the existing piping system to the highest wetland cell to utilize all 14 outdated cells in the treatment of wastewater. The City completed trenching and cut-off valve installation and backfilled the trench in August 2016. The City cut channels into some of the rock berms of the wetland cells to enhance flow and create viewing/look-out points. Two islands were created in two separate cells. The City installed an additional pump to fill the ponds. Custom valves and flanges were fabricated to fit within the existing effluent discharge system. The newly installed pump was activated, and the ponds were filled in July 2017. TWRI has observed a variety of wildlife in the ponds. The City removed a section of the berm separating Phase II from Phase I, allowing the effluent to flow through all 14 continuous ponds before being discharged into the Arroyo Colorado.

the wetland cells with the main road. Native plants were identified for planting at the site. CMP signage was installed.

List the deliverable(s)/milestone(s) for the project and provide the date completed/submitted to the GLO.

Deliverable Name	Date Due	Date Submitted
Report on repairs and renovations, invasive species removal, species and acreage of native vegetation planted, and volunteer restoration events	September 30, 2017	October 13, 2017
Photos before, during, and after construction, including pipe installation, repairs and renovations, invasive species removal, and plantings	March 31, 2017	March 31, 2017
Photos of installed temporary CMP signage	March 31, 2017	April 28, 2017
Photos of installed permanent CMP signage	April 30, 2017	April 28, 2017

•	Were there any problems or obstacles encountered during this reschedule revision). Yes X No If yes, please explain:	eporting period (e.g., delays	, remedial action taken,		
Task 3:	Monitoring				
•	Provide a brief description of status of the task: _ not started _ in	n progress <b>X</b> completed			
•	Describe major accomplishments for this reporting period (include locations of events/presentations/meetings and dates for mileston		ch task, dates and		
	The City conducted daily water quality monitoring of treated effluent from the final cell. Monitoring was conducted to evaluate pollutant lo	_	•		
• List the deliverable(s)/milestone(s) for the project and provide the date completed/submitted to the GLO.					
	Deliverable Name	Date Due	Date Submitted		
	Report on monitoring activities	September 30, 2017	October 13, 2017		
•	Were there any problems or obstacles encountered during this reschedule revision). Yes X No If yes, please explain:	reporting period (e.g., delays	, remedial action taken,		
Task 4:	Education and Outreach				
•	Provide a brief description of status of the task:  not started in	n progress <b>X</b> completed			
•	Describe major accomplishments for this reporting period (include locations of events/presentations/meetings and dates for milestone	•	ch task, dates and		

TWRI held public workshops on September 23 and 30 2017 at the San Benito Wetlands site. During the workshops, TWRI presented information about the ten acres of new wetland habitat, its impact on water quality, and the tree planting activity. Participants were divided into 2-3 person planting teams. Fifteen people participated in the September 23, 2017 workshop, and thirty-two people participated in the September 30, 2017 workshop. TWRI presented on August 27, 2017 during the City of San Benito Chamber of Commerce's monthly "Coffee with San Benito" meeting that brings the city commission and community members together to discuss issues, concerns, and city projects. Approximately 20 people attended, including the new Mayor, three city commission members, a Cameron County Constable, and members of the local newspapers. On September 28, 2017, the Valley Morning Star published an article about the project. The article is available at http://www.valleymorningstar.com/news/local\_news/article\_e5db0688-a4bd-11e7-9aa9-4b57b590b771.html.

The University of Texas – Rio Grande Valley civil engineering students conducted a forensic investigation of the pole barn and deemed it not suitable for renovation. The students recommended demolition of the structure before it collapses. As a result, local

volunteer groups designed and painted seven homemade interpretative signs to display at the project site. Additionally, TWRI installed interpretative signage to educate the public about birds, wetlands, and plants. TWRI worked with Keep San Benito Beautiful, South Texas Chapter - Master Naturalist, and Master Gardeners volunteers on the signage content.

• List the deliverable(s)/milestone(s) for the project and provide the date completed/submitted to the GLO.

Deliverable Name	Date Due	Date Submitted
Photos of student outreach event(s) and workshops	September 30, 2017	
Report on workshops and student outreach, including event dates, number of participants, and activities conducted, with monthly progress report	September 30, 2017	October 12, 2017
Workshop information, including photo and video clips	September 30, 2017	October 12, 2017
Design layout for interpretive signage	March 31, 2017	
Photographs of installed interpretive signage, painted metal sheets, and renovated barn	September 30, 2017	

	Tenovatea barri		
•	Were there any problems or obstacles encountered during this reporting schedule revision).   X Yes   No If yes, please explain:	g period (e.g., delays	, remedial action taken
	The project encountered issues with installing the educational panels on the pol disrepair and ended up being torn down. Instead of installing the interpretive si signage as free-standing panels. However, there have been major delays with the won't be installed until August 2018.	gnage on the pole barn	, TWRI decided to install th
Task 5:	Project Reporting		
•	<b>Provide a brief description of status of the task:</b> not started in progre	ess <b>X</b> completed	
•	Describe major accomplishments for this reporting period (include names locations of events/presentations/meetings and dates for milestones/deliv		ch task, dates and

TWRI prepared and submitted reports, deliverables, and requests for reimbursement as required in the contract.

• List the deliverable(s)/milestone(s) for the project and provide the date completed/submitted to the GLO.

Deliverable Name	Date Due	Date Submitted	
Monthly progress reports and requests for reimbursement	September 30, 2017	October 13, 2017	
Final report	September 30, 2017	October 13, 2017	
Project closeout form	September 30, 2017	October 13, 2017	

	Were there any problems or	ohstacles	encountered during this	renorting neriod	(e.g. dela	vs remedial	action	taken
-	schedule revision). Yes		If yes, please explain:	reporting period	(c.g., ucia	ys, remediai	action	taken,

**Photos of Completed Construction** 





