BORDER 2020 WATER GOAL MASTER PLAN - DRAFT August 2012

This Action Plan integrates initiatives included in the draft Water Goal Border-wide Biennial Plan and the Arizona/Sonora, California/Baja California, New Mexico – Texas – Chihuahua, and Texas-Coahuila-Nuevo Leon – Tamaulipas Regional Workgroups plans.

Region / Color code
EPA/CONAGUA – Water Policy
Arizona/Sonora
California/ Baja California
New Mexico-Texas-Chihuahua
Texas-Chahuila-Nuevo Leon-Tamaulipas

	Description of Action (with commitment of resources)	Collaborating Organizations	Cost	Sources of Funding	Points of Contact	2014 Target Output
	Objective 1: Promote the increase in the number of homes connected to safe drinking water and adequate wastewater treatment.					
	Sub-objective 1a: By 2015, promote access to safe drinking water to at least 5,000 households. Revise targets every two years.					
1	US-Mexico Border Water Infrastructure Program drinking water projects currently under construction.	USEPA, CONAGUA, BECC, NADB		Border Environment Infrastructure Fund (BEIF)	Fuentes.Awilda@epa.gov EPA OWM	Combined total: 5000 households
	Sub-objective 1b: By 2015, promote access to adequate wastewater sanitation to 42,000 households. Revise targets every two years.					
2	US-Mexico Border Water Infrastructure Program wastewater projects currently under construction	USEPA, CONAGUA, BECC, NADB		BEIF	Fuentes.Awilda@epa.gov	Combined total: 42,000 households. Million of gallons of wastewater treated
	Objective 2: Help drinking water and wastewater utilities in the border region to implement sustainable infrastructure practices to reduce operating costs, improve energy efficiency, use water efficiently and adapt to climate change.					
	Sub-objective 2a: Incorporate sustainable infrastructure elements, as feasible and appropriate, into U.S.-Mexico Border Water Infrastructure Program-supported in BECC-certified projects.					
3	EPA Region 6 will incorporate sustainable infrastructure components in the development phase of six US-Mexico Border Water Infrastructure Program projects.	USEPA, CONAGUA, BECC			tellez.gilbert@epa.gov, USEPA Region 6	BECC/NADB Board certified projects (at least 6 with sustainable infrastructure components)
4	EPA Region 9 will incorporate sustainable infrastructure components in the development phase of US-Mexico Border Water Infrastructure Program projects.	USEPA, CONAGUA, BECC			aguirre.hector@epa.gov, EPA Region 9	Number of sustainable infrastructure projects.

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	Sub-objective 2b: Improve energy efficiency and efficient water use at border drinking water and wastewater utilities.					
5	Region 6 will include energy audits in the final design of two US-Mexico Border Water Infrastructure Program projects.	USEPA, CONAGUA, BECC		PDAP	Renata Manning, EPA Gilbert T. Tellez, USEPA Region 6	Energy audit reports in at least 2 selected communities
6	Region 6 will include water audits in the final design of two US-Mexico Border Water Infrastructure Program projects.	USEPA, CONAGUA, BECC		PDAP	Gilbert T. Tellez, USEPA Region 6	Water audit reports in at least 2 selected communities
7	Region 9 will include energy audits in the final design of eight US-Mexico Border Water Infrastructure Program projects.	USEPA, CONAGUA, BECC		PDAP	Renata Manning, BECC	Energy audit reports in at least 8 communities
8	Region 9 will include water audits in the final design of US-Mexico Border Water Infrastructure Program projects.	USEPA, CONAGUA, BECC			Hector Aguirre, EPA Region 9 Aguirre.hector@epa,.gov	Number of water audit reports for selected communities
9	Conduct feasibility analysis of anaerobic sludge digesters at International Treatment Plant in San Ysidro.	USEPA, BECC, IBWC		BECC, USEPA Region 9	jahernandez@cocef.org	Report describing capital costs, O&M costs, and methane reuse options
10	Solar power at the Los Alisos Wastewater Treatment Plant	USEPA, BECC	$210,000	USEPA	Konner.thomas@epa.gov	Final design on a 902 KW photovoltaic plant with peak capacity of 1572 MWh/year.
11	Drought Conditions in Juarez	JMAS, CAN, SEMARNAT		Local/State/Federal	Nora Yu, JMAS Manuel Herrera, JMAS	If drought conditions persist, emergency actions will include stopping water service during some nights and eventually programmed allowanced to save water.
12	Lower Per Capita consumption to <200 liters per day to increase sustainability of Hueco Bolson.	JMAS, EPWU	Ongoing JMAS program	Self financing, JMAS	Manuel Herrera, JMAS Claudia Hernandez, JMAS	Continue with conservation measures, and put into action recommendations from Master Plan. Other actions include change of valves, lowering pressures where needed, and improve domestic and commercial meters.
13	Installation of Solar Energy Plant at EPWU Desalination Plant	EPWU, Dept of Interior (BOR)				

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14	Installation of Real Time Monitoring of Irrigation Water SCADA These stations will be effective in planning irrigations and preparing for storm water.	Elephant Butte Irrigation District (EBID)	$1.5 Million	EBID, State of New Mexico. New Mexico State University		Conserve Rio Grande Project Water by utilizing storm water availability
15	GREYWATER REUSE: El Paso County Rogelio Sanchez State Prison	Texas Dept of Corrections, Texas A&M Univ., Dept of Interior (BOR)				Reuse of 40,000 gallons / month of laundry water
16	Phase I & IA of the Central Reclaimed Water Project are completed and provides reclaimed water through 19,200 linear feet of pipeline to various locations in Central El Paso.	US Dept of Interior (BOR), EPWU, EPCWID	$13.4 Million	U.S. Bureau of Reclamation. City of El Paso Water and Sewer revenue bonds from EPWU	http://www.epwu.org/reclaimed_water/central_project.html	The project provides approximately 325 MG of reclaimed water per year.
17	Subsequent phases are intended to serve the Fort Bliss military base and include additional pumping and storage facilities, and associated transmission and distribution pipelines along Fort Bliss, City parks, and schools in El Paso.	US Dept of Interior (BOR), EPWU, EPCWID		U.S. Bureau of Reclamation. City of El Paso Water and Sewer revenue bonds from EPWU		Phases I and II currently save approximately 56 million gallons of potable water per year. The Fred Hervey Reclaimed Water Project saves approximately 1,225 million gallons of potable water. In addition, almost 500 million gallons of reclaimed water is returned to the Hueco Bolson for aquifer recovery through injection wells and infiltration basins.
18	Construct and operate a desalination plant in Nuevo León, using renewable energy as the energy source for the plant.	Servicios de Agua y Drenaje de Monterrey (Monterrey's Water Utility, SADM) - Nuevo León's Water Utility		SADM, BECC and National Water Commission	normaarangel@gmail.com carlos.avila@sadm.gob.mx	Construct and operate a desalination plant in Nuevo León, using renewable energy as the energy source for the plant.
	Sub-objective 2c: Build operational, managerial, and financial capacity at border drinking water and wastewater utilities through training. Implement energy efficiency training for water/wastewater utility operators.					
19	Wastewater operations training in seven Mexican border communities including Matamoros, Reynosa, Ciudad Juarez, Nogales, and San Luis Rio Colorado, Mexicali, and Tijuana.	USEPA, NADB	$137,000	EPA Region 6 Border 2012	Gandara.salvador@epa.gov	50 people trained, 288 hours of training over 18 courses

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20	Utilize information on water conservation relevant to the community to help lower water bills for residents. Assess reductions in bills based on comparable months of use.	NMSU, NM-CHIH Taskforce, NMED, USEPA	Part of $75,000	EPA Region 6 Border Funds	NMED (Tom Ruiz), Allyson Siwik (NM/CHIH Rural Taskforce US Co-leader)	Conduct one (1) half-day workshop for some 50-70 households in Columbus on residential water conservation.
21	Water Festivals in Palomas, Ascension, Janos and Cuidad Juarez to promote water conservation to communities.	NM-CHIH Taskforce, NMED, Agua 21, Communities of Palomas, Ascension, Janos, Cuidad Juarez	Part of $75,000	EPA Region 6 Border Funds	NMED (Tom Ruiz), Allyson Siwik (NM/CHIH Rural Taskforce US Co-leader), Agua 21, El Paso Border Office	6 Water Festival Events (Impact 500-1,500 community residents)
22	Water Conservation Project in Pto. Palomas, Chihuahua, Mexico	Border Partners, NM-CHIH RTF, Palomas and Columbus Communities	$10,000	EPA Region 6 Border Funds	Border Partners (Polly Edmunds)	- Train local community members on water conservation and gray-water systems - Install 15 gray-water systems in homes in Palomas. Water reused for gardens - Install at Palomas library a gray-water system and retrofit sanitation system with dry toilets
23	US / México Bi-national Water Summit	IBWC-CILA US Dept of Interior, SEMARNAT, EPWU, JMAS, UTEP, UACJ		México , US IBWC/CILA	IBWC/CILA Commissioners	Address Transboundary water Sustainability and Planning in the Juarez / Paso el Norte planning Region Discuss bi-national progress, and address possible changes needed in CILA/IBWC to meet the challenges of the future.
24	Design and implement local public education campaigns on water conservation, along with offering tax and rebate incentives (successful examples are available in El Paso and Laredo).	City of Laredo, TCEQ, USEPA, TX Water Development Board	$6,000	USEPA and Local Sponsors	Miguel A. Pescador mpescador@ci.laredo.tx.us Victor Wong, TCEQ	Coordinate a regional best practice workshop by Spring 2013. Pilot a best practice in two sister cities before 2014.
	Objective 3: Work binationally to identify and reduce surface water contamination in specific high priority waterbodies or watersheds.					
	Sub-objective 3a: Develop a binational watershed protection plan in the Lower Rio Grande below Falcon International Dam.					

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25	The development and implementation of a public outreach process which identifies key stakeholders, development of a binational framework (terms of reference) and a stakeholder participation strategy.	TCEQ, USEPA, USIBWC, CONAGUA, CILA				Binational Watershed Framework Document
26	Binational water quality data collection, technical analysis/modeling, and stakeholder involvement.	TCEQ, USEPA, USIBWC, CONAGUA, CILA				Binational Watershed Base Plan
29	Implement a public campaign to increase awareness of problems related to non-point source pollution in the Lower Rio Grande Valley of Texas, through signs posted on roadways and at public facilities, messages on a school district television station, presentations at numerous public events and meetings, and newsletters of various organizations.	15 Lower Rio Grande Valley (LRGV) cities that are members of the Texas Pollution Discharge Elimination System Stormwater Task Force, Texas A&M Kingsville, school districts, and NGOs	$40,000	USEPA Border 2012 Grant Program	Javier Guerro (Lower Rio Grande Valley TPDES Stormwater Task Force, Texas A&M University-Kingsville), 956- 457-3023 jguer0351@aol.com	As of May 2012 the project team had begun scheduling presentations at events in rural areas. The project will be completed by the end of 2013.
30	Hold a binational cleanup event at Boca Beach in Brownsville, Texas and Bagdad Beach in Matamoros, Tamaulipas.	City of Brownsville and Municipio of Matamoros		Keep Brownsville Beautiful and the Municipio of Matamoros	Oscar Delgado (Matamoros Bagdad Beach) oscardelgado_70@hotmail.com 868 8108000 Hilario De Leon (Keep Brownsville Beautiful) hilario.deleon@cob.us 956.547.6582	The event will be scheduled for a weekend in fall 2012.
31	Implement a binational Lower Rio Grande Water Quality Initiative that characterizes the state of the watershed, develops a strategic plan to improve environmental conditions, and proposes a monitoring plan to document progress.	USEPA, IBWC, TCEQ, CONAGUA, and federal, state, and local government agencies		USEPA, IBWC, TCEQ, and federal, state, and local government agencies	Kelly Holligan (TCEQ), 512-239-2369, Kelly.holligan@tceq.texas.gov	The project will be started binationally by the end of 2014.

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	Sub-objective 3b: Every two years, identify and implement at least one project to reduce the level of heavy metals, sediment, and/or bacteria entering the Santa Cruz River and/or the Nogales Creek.					
32	Sampling and testing equipment and supplies to support Nogales, Sonora pretreatment program.	IBWC	Est $10,000		carlos.pena@ibwc.gov	Prepare joint agreement, provide support
33	Nogales, Sonora wastewater project for Southwest zone of Nogales	CONAGUA, USEPA, BECC, NADB	$12M total construction	PDAP	konner.thomas@epa.gov	BECC certification of project
34	Hold regular bi-national meetings to bring US and Mexican technical experts together to discuss issues, alternatives, and resources.	IBWC, CILA, USEPA, CONAGUA			wayne.belzer@ibwc.gov	
35	Hold biannual Water Task Force meetings, which will include updates on status of previously funded Border 2012 projects, such as stormwater detention devices, stream gauge monitors, and water harvesting projects. Also will provide status on rehabilitation of the International Outfall Interceptor.	ADEQ, IBWC, CILA, CONAGUA			Huth.Hans@azdeq.gov	Hold 4 Task Force meetings.
	Sub-objective 3c: Every two years identify and implement at least one project to reduce the levels of bacteria, biochemical oxygen demand (BOD), trash, and/or phosphates entering the New River.					
36	Hold regular bi-national meetings to bring US and Mexican technical experts together to discuss issues, treatment alternatives, and resources available to improve New River.	IBWC, CILA, USEPA, CONAGUA, CA Water Resources Control Board			wayne.belzer@ibwc.gov	Meet on quarterly basis. Provide an a report on progress made by CONAGUA to address illicit discharges.
37	Wastewater collection system rehabilitation in colonias Loma Linda and Esperanza in Mexicali, BC to repair 10,000 meters of sewer lines.	USEPA, CONAGUA, BECC, NADB		PDAP	Aguirre.hector@epa.gov	BECC certification of project.
38	Evaluate permit status and effluent quality of discharges to New River	CONAGUA			Angel Lozano (Angel.lozano@conagua.gob.mx)	Report on status of up to 45 disharges to the New River
39	Improve water quality monitoring of New River in Mexicali.	CONAGUA		CONAGUA	Angel Lozano (Angel.lozano@conagua.gob.mx)	Add up to 10 monitoring stations along New River for weekly sampling

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40	Contribute to reduce discharges of untreated industrial wastewater to New River.	CONAGUA, PROFEPA, SEMARNAT ESTATAL			Angel Lozano (Angel.lozano@conagua.gob.mx)	Try to end untreated discharges from ProKarne, TIFF, and Bachoco.
	Sub-objective 3d: Every two years identify and implement at least one project to reduce the level of bacteria, sediment, and/or trash that enters the Tijuana River.					
41	Remove and properly dispose of 2 tons of trash and waste tires the Main channel of Tijuana River on U.S.-side.	City of San Diego/Wildcoast (NGO)	$35,000	SWRCB CAA Grant Funds	dwells@sandiego.gov	2 tons are expected to be removed in 2012
42	Remove and properly dispose of sediment from Smuggler's Gulch and Main channel of Tijuana River on U.S.-side.	City of San Diego	$1 Million	City funding	dwells@sandiego.gov	40,000 cubic yards of sediment will be removed by 2013
43	Grant to Wildcoast to hold volunteer trash cleanup events.	USEPA, Wildcoast (NGO)	$54,000	Border 2012 Grant	Liden.douglas@epa.gov	Remove XX cubic meters of trash from Tijuana Watershed
44	Quarterly meetings of Border 2020 Tijuana Watershed Task Force/Tijuana River Recovery Strategy Team held on both sides of border.	USEPA		USEPA	Liden.douglas@epa.gov	Hold at least 4 meetings with US and Mexican officials and members of the public to show progress on action plan.
45	Conduct modeling effort to determine sediment loads from Mexico, and estimate reductions through various BMPs, and land-use options.	USEPA, USDA, University of Arizona	$100,000	USEPA	Liden.douglas@epa.gov	Not yet confirmed. If funded, will provide a report to look at cost-effectiveness of source control BMPs
46	Remove and properly dispose of sediment from main channel of Tijuana River on U.S.-side.	IBWC	$1 Million		Steve.smullen@ibwc. Gov	60,000 cubic yards of sediment will be removed by 2013
47	Rehabilitation, cleaning and remove of sediment from main channel of Tijuana River on Mexico.-side.	CONAGUA, CEA, CESPT				Up to 80,000 cubic meters of sediment removed
48	Demarcation of floodplain in Tijuana, to help discourage illegal development.	CONAGUA, EDO, MUNICIPIO				Up to 10 river kilometers under threat of irregular development are posted.
49	Establish conservation easements, using the Los Sauces Canyon as an example.	SPA, CONAGUA, City of Tijuana (IMPLAN), and SEDESOL				Up to 20 acres of conservation easements adopted

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50	Bi-national treaty minute committing the U.S. - Mexico to address issues of sediment, trash, and bacteria by identifying issues, providing solutions, acquiring resources, and informing the public.	IBWC, CILA			john.merino@ibwc.gov	Develop a treaty minute following engineer's report
51	Revegetate areas of Tijuana estuary, remove trash from estuary, and train volunteers.	EPA, BECC, SWIA	$100,000	EPA Hometown Grant	Doug Liden	3000 native plants propagated, 200 plants installed, 3 volunteer cleanup events, 20 hours of training modules, 450 volunteer hours
52	Incorporate houses in marginalized colonias that do not have wastewater treatment into the City of Tijuana. This is the first step to allow for the utility to provide treatment, which reduces surface water contamination.	CESPT, SPA BC		CESPT/CONAGUA	CESPT	3,000 households (This was provided by Saul Guzman, SEMARNAT)
53	Infrastructure repairs in Tijuana. The project consists of the rehabilitation and replacement of pipelines and manholes in poor condition.	CESPT, CONAGUA, NADB	$5.72M	NADB, CONAGUA	Renata Manning, BECC	Certification/Construction
54	Eliminate residential discharges to the beaches of Tijuana and Rosarito in order to become certified under the Clean Beaches Program.	CONAGUA/CESPT/SPA, Municipio Tijuana y Rosarito		CONAGUA/SPA/SEMARNAT/MUNICIPIOS	COMITÉ PLAYAS LIMPIAS SEMARNAT/MUNICIPIOS	Clean Beaches Certification for Beaches in Tijuana and Rosarito (This was provided by SEMARNAT).
55	Construction of an urban solid waste transfer center in Tecate, Baja California.	City of Tecate/ BC-SPA/ SEMARNAT/ Dirección General de Fomento Ambiental Urbano y Turístico (DGFAUT)	$227,000		A. Ferreiro (SPA), C. Chávez (SEMARNAT)	?
56	Construction and equipping of the Scrap Tires Transfer Station for the Metro Tijuana/Tecate/Playa de Rosarito area	Tijuana, Tecate, Rosarito, BC-SPA, SEMARNAT	$87,300		A. Ferreiro (SPA), C. Chávez (SEMARNAT)	
57	Construction of the second phase of the Tecate River Wetlands.	Comisión Nacional de Áreas Naturales Protegidas (CONANP), SEMARNAT	$332,000	Comisión Nacional de Áreas Naturales Protegidas (CONANP)		

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	Objective 3-other: Initiatives to reduce water contamination in other watersheds and/or waterbodies					
58	Update of Juarez Water Master Plan 2012-2030	JMAS, BECC, USAID,	$300,000	200,OOO-BECC 50,000-USAID REST-JMAS	JMAS-Manuel Herrera, Rene Franco BECC-Marco Granados	Run simulation of water and waste water program and reveal best placesfor purple line extensions. Develop the concept of tertiary treatment for re-injection into the aquifer, and set baseline indicators for a water plant.
59	Meet landmark of 100% treatment of wastewater.	JMAS, CNA, EPA, and Degremont	South-South Plant:14.3 Millions Laguna de Patos: 2.0 Millions	EPA- BEIF CNA-Mexican Participation Degremont-Private Investor	EPA/BECC: Gilbert Tellez, Marco Granados Herrera, René Franco CNA: Lopez	Laguna de Patos Plant online by summer 2012. The new South-South plant finished by 2014. 99 % of waste water treated, 100% of water discharging into Rio Grande.
60	Workshops on proper de-commissioning of septic tanks, water conservation and pollution prevention in order to better understand and plan for future groundwater supplies in NM/CHIH Region.	USEPA, NMED, SEMARNAT, Columbus and Palomas officials, New Mexico-Chihuahua Environmental Education Taskforce	Part of $75k	EPA Border Region 6 Funds	NMED (Thomas Ruiz)	6 community workshops in Dona Ana and Luna County (~420 households, ~1,200 individual residents). In addition, workshops will be supplemented with outreach material developed (~200 posters, 800 take-away brochures).
61	Conduct risk assessment of these wastewater systems (i.e. cesspools, septic tanks) that pose a potential health and environmental risk. Conduct outreach in Dona Ana County and portion of Juarez areas with these systems that overlay the Mesilla Bolson.	NMSU, UACI, NMED, Dona Ana County officials and agencies, Juarez	$85,000	EPA Region 6 Border Funds	NMSU (Dr. Christopher Brown)	- A spatially referenced database (geodatabase) produced with GIS tools that details they spatial location of all permitted systems in the study area, - Scientifically generated identification of specific areas that are at risk that will be of use to relevant governmental agencies, - Outreach materials that outline the details of risk to groundwater due to onsite systems and provide detail on how to best manage this risk, - The development of a toolbox that would be very useful to other parts of the border region that face similar challenges and issues.
62	Organize workshops in Laredo and Reynosa for water utilities and the restaurant industry to discuss best practices related to abatement of discharges of fats, oils, and grease (the Laredo workshop will also involve Nuevo Laredo).	City of Laredo water utility, Webb County, Nuevo Laredo, Municipio of Reynosa, and Reynosa water utility	$39,000	EPA Border 2012 grants through the BECC	Karla Robles (City of Laredo Utilities) krobles@ci.laredo.tx.us and Mauricio Chalons (Municipio of Reynosa), 899 263-3798 ecologiareynosa@hotmail.com	Hold the workshop by the spring of 2013

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63	Install new sewer lines connected to Nuevo Laredo's wastewater treatment system to prevent contaminated discharges into Rio Grande.	COMAPA and Municipio de Nuevo Laredo	$5,000,000	North American Development Bank (NADB)	Carlos Montiel Saeb (Comisión Municipal de Agua Potable y Alcantarillado-COMAPA), carlosmontielsaeb@hotmail.com	This is the Nuevo Laredo Wastewater Collection line disconnection from the Storm water Drains Project. The project was certified on July 17 , 2012 and is expected to be completed by Summer 2013.
64	Feasibility study for implementation of wastewater treatment plants in the municipalities of Hidalgo y Guerrero, Coahuila.	CEAS Coahuila, SEMA Coahuila	$15,000		Alejandra Carrera (SEMA Coahuila) alejandra.carrera@sema.gob.mx	By early 2014, studies needed to build wastewater treatment plants in Hidalgo y Guerrero, Coahuila.
65	Design and implement local public conservation campaigns and land conservation agreements for Rio San Rodrigo and Arroyo Las Vacas.	SEMA Coahuila, Municipio de Piedras Negras y Municipio de Acuña	$400,000		Alejandra Carrera (SEMA Coahula) alejandra.carrera@sema.gob.mx	By the end of 2014, design and implement local public conservation campaigns and land conservation agreements.
66	Implement an invasive species plants removal program in the Rio Grande River.	SEMA Coahuila, CONANP, Profauna	$85,000		Alejandra Carera (SEMA Coahuila) alejandra.carrera@sema.gob.mx	By the end of 2014, increase the invasive species plant removal program in the Rio Grande River.
	Objective 4: Provide the public with timely access to water quality data in binational waterbodies and watersheds in a readily understandable, web-based format.					
	Sub-objective 4a: Develop a binational website that displays timely information on beach advisories on both sides of the border in the Brownsville/Matamoros area, and ensure its operation through 2020.					
67	Develop the framework for a binational link to a proposed State of Tamaulipas beach advisory website from the existing Texas General Land Office website; Texas Beach Watch.	USEPA, CONAGUA, US and Mexican States				Framework document for the development and implementation of a binational beach advisory website.
	Sub-objective 4b: Develop a binational website that displays timely information on beach advisories on both sides of the border in the San Diego/Tijuana area, and ensure operation of website through 2020.					
68	Assess SCCOOS plume tracker as a mechanism to issue beach advisories	USEPA, Scripps		EPA Hometown Grant		A study determining correlation, if any, between plume movements and bacteria counts in Mexico. (This is still under development)
	Sub-objective 4c: Develop a binational website that displays timely information on water quality in high-priority watersheds including the Lower Rio Grande, the New River, and the Tijuana River and ensure operation of website through 2020.					

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69	Binational water quality database with GIS portal	IBWC			Gilbert.anaya@ibwc.gov	Website Operational and Updated
70	Access to Friends of the Santa Cruz River (FOSCR) volunteer monitoring data for the Upper Santa Cruz River	ADEQ			Hans Huth, ADEQ, huth.hans@epa.gov	Website developed and operated
	Other Initiatives identified by Regional Workgroups					
71	Certification of JMAS water laboratory by EMA (Entidad Mexicana de Acreditacion)	JMAS Technical Department	$230,800 for certification, plus cost of equipment	JMAS/Federal	Omar Chacon Manuel Herrera	The lab is already certified for several parameters. Additional tests would convert it into a regional lab, and would service the North of Mexico. This lab will also give certainty of water supply quality offered by JMAS.
72	Increase Household Connections in El Paso County Lower Valley. The United States Department of the Interior - Bureau of Reclamation assisted the Lower Valley Water District (LVWD) in the preparation of an Environmental Assessment in relation to a water delivery plan for the LVWD area.	Lower Valley District, El Paso County Water Improvement (Irrigation) District, US Dept of Interior (BOR)	$300,000	50% Federal, 50% local	Mr. Bert Cortez, BOR	
73	The water and wastewater systems follow the recommendations provided in the 1988 Water and Wastewater Management Plan. These systems will serve 70,559 people (approximately 15,000 connections) by the year 2015.	Lower Valley District, El Paso County Water Improvement (Irrigation) District, US Dept of Interior (BOR)			Mr. Hector Gonzalez EPWU Mr. Bert Cortez BOR	The Phase III Wastewater System Project completed.
74	Presentation to Palomas officials and residents of home filter for removal of contaminants specific to the region's municipal groundwater such as fluoride and arsenic concentrations.	NMED, NMSU, NM-CHIHUAHUA Rural Taskforce, Palomas Officials, UACJ, CATIS	Part of $75k	EPA Region 6 Border Funds	NMSU, NMED (Tom Ruiz), Potentially Border Partners.	Presentation to Palomas officials to seek approval of low-cost clay filters for household faucets to reduce contaminants. If adopted, the group will work to seek funds for installation of home filters.

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75	Microbiological and chemical risk analysis that impact environmental and human health in the Valley de Juarez region	UACJ, COLEF, AQUA XXI, UT Houston School of Public Health in El Paso	$70,000	EPA Region 6 Border Funds	UACJ (Dr. Juan Pedro Flores Margez.)	- Evaluate the public health impacts from infrastructure projects in 10 communities in the Valley de Juarez by conducting a microbial analysis drinking water system at various points - Conduct epidemiology survey in the 10 communities to determine the prevalence of gastrointestinal illness in the community members - Environmental Public Health campaign to communities regarding safe drinking water and hygiene practices