



US/Mexico Border Program.- Mission Statement:

To protect the environment and public health in the U.S. – Mexico border region, consistent with the principles of sustainable development

In Partnership among Federal, State and Local governments in the United States and Mexico, and with U.S. border tribes



Objective 1: By 2012, promote a 25 percent increase in the number of homes connected to potable water supply and wastewater collection and treatment systems.

Objective 1 – Mid-Course Refinements

Sub-Objective 1A: Promote the increase in the number of homes connected to a potable water supply **beyond** the original Border 2012 objective of 25%.

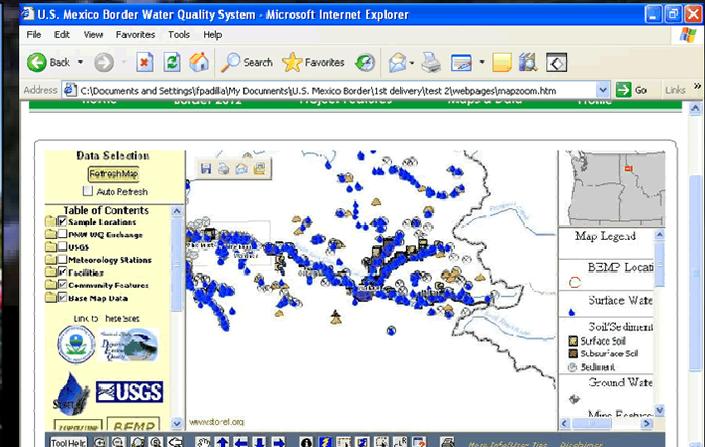
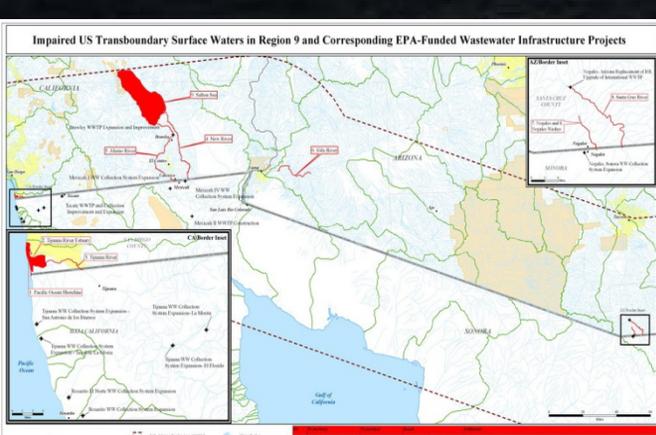
Sub-Objective 1B: Promote the increase in the number of homes connected to wastewater collection and treatment systems **beyond** the original Border 2012 objective of 25%.

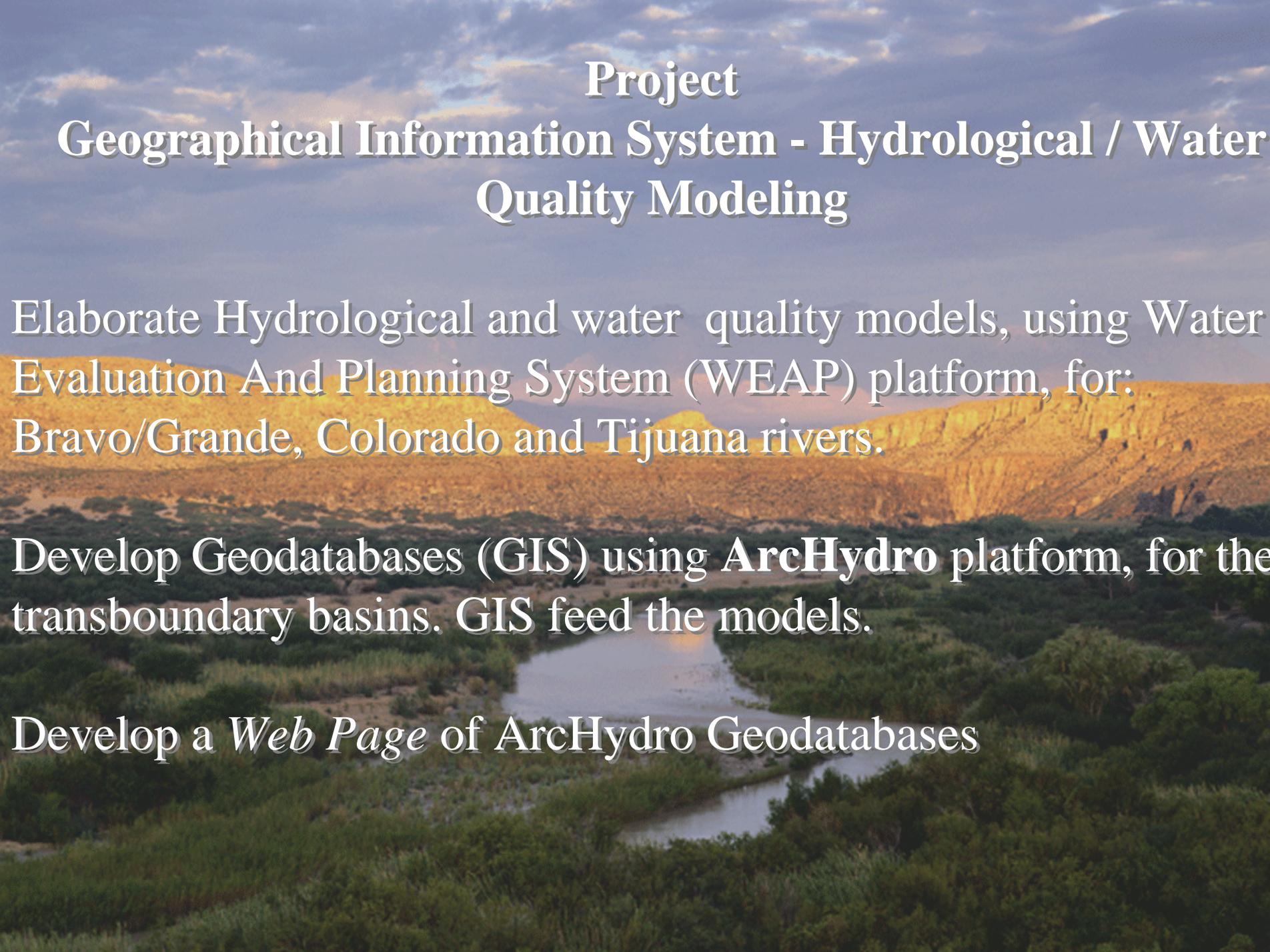
Goal 1: Reduce Water Contamination

Objective 2 - Description

- a. “Assess significant shared and transboundary surface waters.”
- b. “By 2012, achieve a majority of currently exceeded water quality standards in those waters.”

Implement 4 projects that improve water quality in transboundary waters



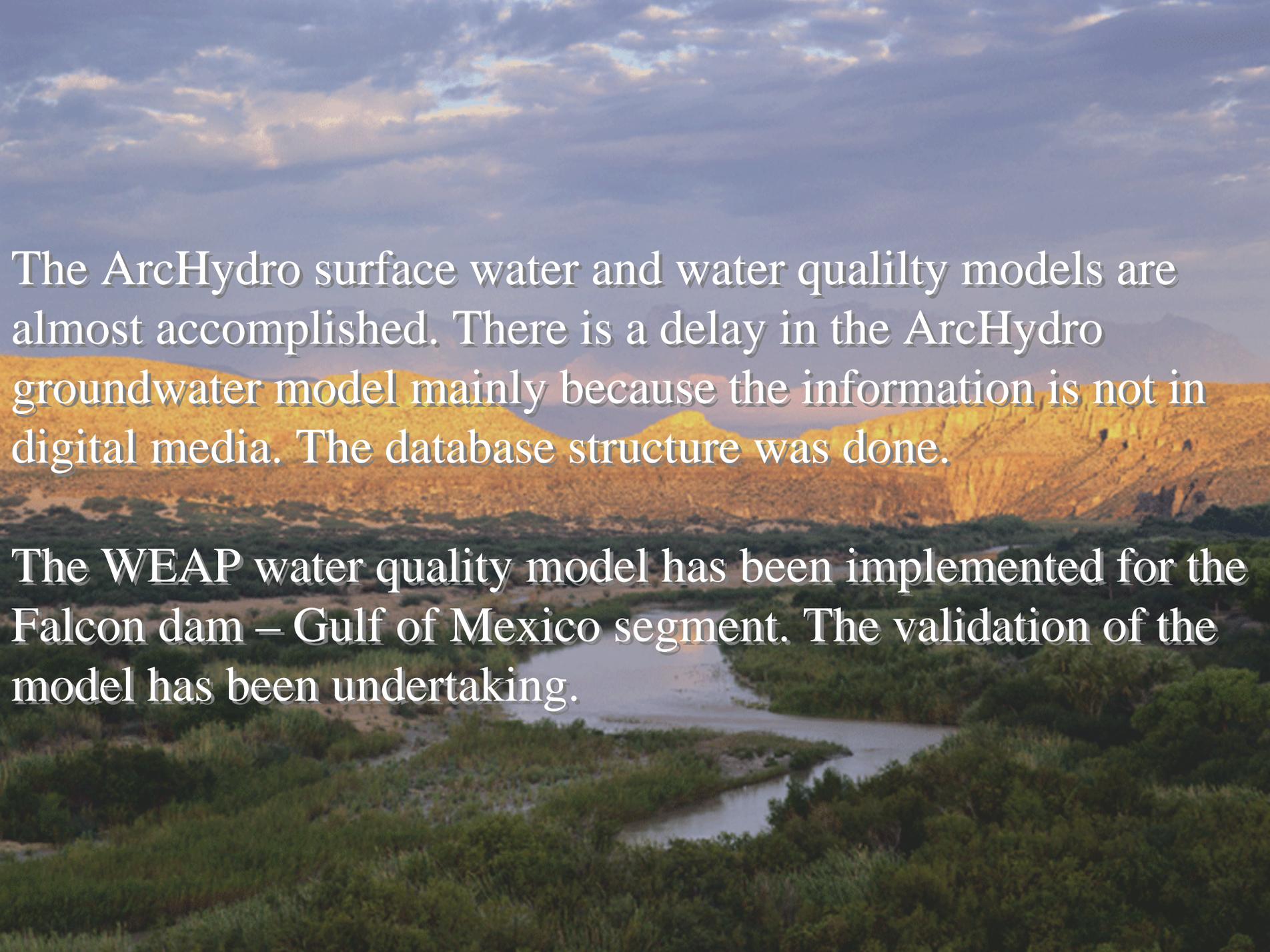


Project Geographical Information System - Hydrological / Water Quality Modeling

Elaborate Hydrological and water quality models, using Water Evaluation And Planning System (WEAP) platform, for: Bravo/Grande, Colorado and Tijuana rivers.

Develop Geodatabases (GIS) using ArcHydro platform, for the transboundary basins. GIS feed the models.

Develop a *Web Page* of ArcHydro Geodatabases



The ArcHydro surface water and water quality models are almost accomplished. There is a delay in the ArcHydro groundwater model mainly because the information is not in digital media. The database structure was done.

The WEAP water quality model has been implemented for the Falcon dam – Gulf of Mexico segment. The validation of the model has been undertaking.

South Central Regional Wastewater Collection and Treatment Project

New wastewater service for six unincorporated communities in South Dona Ana County, New Mexico (Vado, Del Cerro, La Mesa, San Miguel, Berino, Chamberino)

Environmental Benefit.- Eliminates the adverse effects of onsite treatment systems

(failing septic tanks with leach fields, cesspools)

300,000 ft. of gravity sewer line and corresponding manholes,
2,200 new hook-ups, 2.1 MGD Wastewater treatment facility, including
UV disinfection

Sunland Park, New Mexico North Wastewater Treatment Plant Replacement

New wastewater treatment facility for the City of Sunland Park, New Mexico to serve approximately 6,500 residents

Environmental Benefit

Reduces the overloading and possible failing conditions of the existing South Wastewater Treatment Facility

Summary of the Components

- Entrance works: 2.7 MGD secondary treatment facility, with UV disinfection, Sludge handling operations, Odor control, and Surface water discharge

Border 2012 U.S. – Mexico Border Program

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