
LOWER RIO GRANDE FLOOD CONTROL PROJECT



Mercedes Field Office

63 Employees Total



Lower Rio Grande Flood Control Project

- *Flood Control*
- *Water Accounting*
- *Water Delivery*
 - *Coordinated with Watermaster (TCEQ)*
 - *Water Demands through Anzalduas Dam*
- *Water Quality (Clean Rivers Program)*
- *Boundary Demarcation*
- *International Relations and Cooperation with Mexico through Treaties, Minutes and other at the Federal level.*

Flood Control

- *270 miles of levees*
- *30,000 acres of interior floodway*
- *420 drain structures*
- *180 irrigation structures*
- *Provides flood protection for hundreds of thousands of U.S. residents*

Mowing Operations

8,000 Acres Mowed Yearly



Rio Grande River Clearing & Wildlife Corridor

- *34.5 Mile Reach in Brownsville, Texas*
- *Clear 75' from Water's Edge*
- *33' Continuous Wildlife Corridor*



Rio Grande River Clearing & Wildlife Corridor



Levee Roadway Maintenance

- *270 Miles of Levee*



Levee Structure Maintenance

550+ Drainage & Irrigation Structures



Traffic Control Operations

- *290 Gates & 750 Signs*



Levee Reconditioning



Pilot Channel/Drainage Ditch Cleanout



Hydrographic Operations



Lower Rio Grande Flood Control Project

- *Water Quantity – Water Accounting*
- *Water Quality – Texas Clean Rivers Program*
- *Boundary Delineation – Boundary Demarcation on Bridges, River Cross-Sections*



Anzalduas Dam

- *Joint U.S./Mexico O&M*
- *Assure diversion of the U.S. share of floodwaters to the interior floodway*
- *Diversion of water to Mexico's irrigation canal*
- *Effect releases for downstream water users in both countries*



Anzalduas Dam

- *24 Hour Operation*
- *Perform Maintenance of 2 Gates Per Year*



Retamal Dam

- *Began Operation May, 1975*
- *Joint U.S./Mexico O&M*
- *To enable Mexico to divert to its interior floodway its share of Rio Grande floodwaters*
- *To limit flood flows at Brownsville-Matamoros*



Banker Weir/Inlet

- *Inlet To U.S. Interior
Floodway*
- *Crest Elevation Of 106.50'*



Flood Operations



*1973 Flood
Anzalduas Dam*



*1976 Flood
Retamal Dam*

Flood Operations



1976 Flood
Mouth of Rio Grande with 13,500 cfs

Flood Operations



*1978 Flood
Banker Weir with 9,200 cfs*



*1978 Flood
Divisor Dike with 10,000 cfs*

Morillo Drain Project

- Extends for 75 miles through Tamaulipas from 8 miles above Anzalduas Dam to the Gulf of Mexico*
- Conveys highly saline return flows from a Mexican irrigation district to the Gulf of Mexico*
- Costs shared by both countries and Lower Rio Grande Valley water users*



Morillo Drain Project



Morillo Drain Project

Canal Capacity of 3cms



Morillo Drain Project



Morillo Drain Encasement Project



Connecting Pipe Sections



Connecting Pipe Sections

Morillo Drain Encasement Project



Compaction of Material Along Pipe



Compaction of Material Above the Pipe

Morillo Drain Encasement Project



Water Released Into Inlet Headwall



View of Canal and Inlet Headwall

Morillo Drain Encasement Project

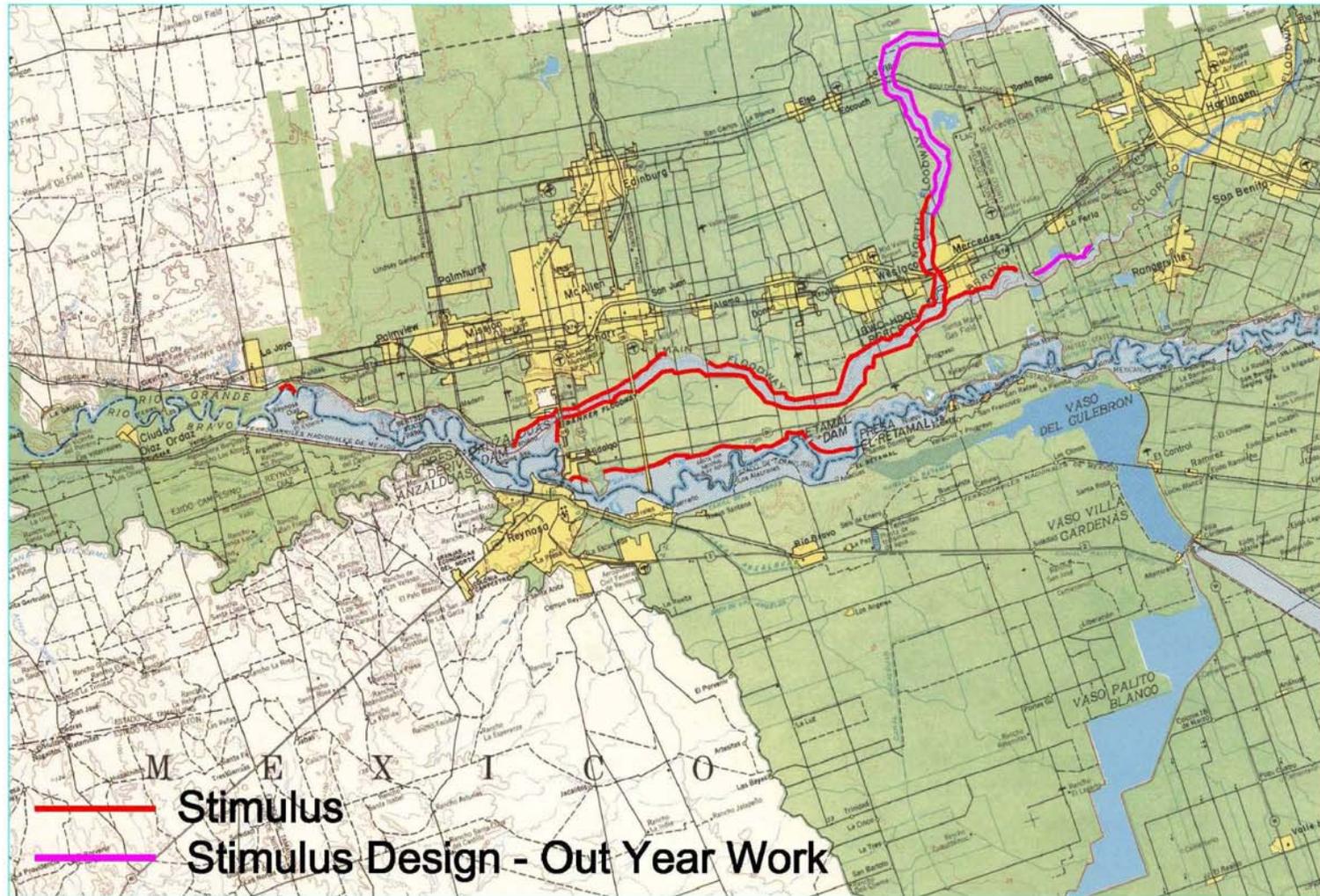


Water Discharged at Outlet Headwall



Downstream View of Canal

American Recovery and Reinvestment (ARRA) Act Projects



LEVEE REHABILITATION PROJECTS

	Project Length (mi)	Pre-Bid Solicitation	Award Const Contract	Construction Dates	
				Start	Finish
<ul style="list-style-type: none"> Banker Floodway North Levee (Granjeno to 23rd Street) 	2.9	April 2009	Aug 2009	Sept 2009	Feb 2010
<p><u>Project Update:</u> Project was awarded in Aug 2009 to Inuit Services. Construction has commenced between Ware Rd and 23rd.</p>					
<ul style="list-style-type: none"> Main Floodway Levees (N&S) (23rd St. to FM 1015) 	43.2	May 2009	Aug 2009	Sept 2009	Oct 2010
<p><u>Project Update:</u> Project was awarded in Aug 2009 to Longhorn Excavators. Construction has commenced between 10th and Jackson.</p>					
<ul style="list-style-type: none"> North Floodway & Arroyo CO North Levee 	48.0	May 2009	Oct 2009	Oct 2009	Sept 2010
<p><u>Project Update:</u> Project recently awarded to Ballenger Construction Company. Construction expect to begin by the end of October 2009..</p>					
<ul style="list-style-type: none"> Hidalgo Loop Levee - Phase 1 (Hidalgo Levee Tie-Ins & Common Levee) 	0.8	May 2009	Oct 2009	Nov 2009	Apr 2010
<ul style="list-style-type: none"> Hidalgo Loop Levee - Phase 2 (Floodwall & Gate) 	0.1	May 2009	Oct 2009	Nov 2009	Aug 2010

Project Update: Project currently out for bid. Hildago Loop Levee bid opening scheduled for Oct 23, 2009



LEVEE REHABILITATION PROJECTS

	Project Length (mi)	Pre-Bid Solicitation	Award Const Contract	Construction Dates Start	Construction Dates Finish
• Lateral A to Retamal Dam (+Ret.Dike)	13.2	May 2009	Dec 2009	Dec 2009	Dec 2010
Project Update: Comprehensive project design currently under way.					
• Edinburg Pump Channel (Levee Reloc & Channel Crossing)	0.1	May 2009	Dec 2009	Jan 2010	Dec 2010

Project Update: Border-wall/fence at Edinburg Pump currently under design with input from U.S. Department of Homeland Security (DHS) and International Boundary and Water Commission (IBWC).



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