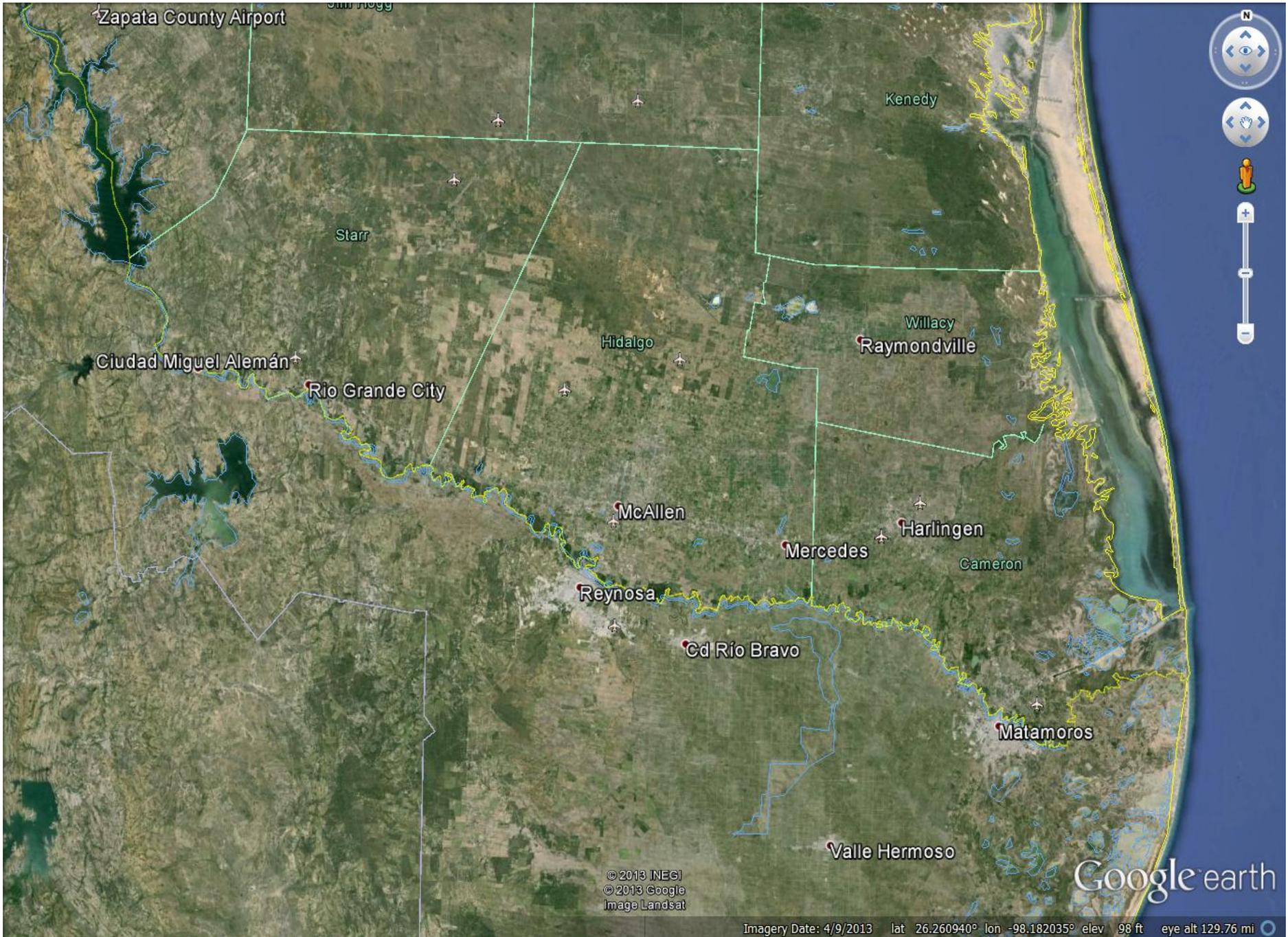


November 19, 2013

Lower Rio Grande Water Quality Initiative



Zapata County Airport

San Hogg

Kenedy

Starr

Hidalgo

Willacy

Raymondville

Ciudad Miguel Alemán

Rio Grande City

McAllen

Mercedes

Harlingen

Cameron

Reynosa

Cd Río Bravo

Matamoros

Valle Hermoso

© 2013 INEGI
© 2013 Google
Image Landsat

Google earth

Imagery Date: 4/9/2013 lat 26.260940° lon -98.182035° elev 98 ft eye alt 129.76 mi

Background

- Lower Rio Grande is defined as the area below Falcon Dam to the Gulf of Mexico
- Texas Water Quality Inventory
 - Bacteria impairment
 - Salts
- Total Maximum Daily Load
- Watershed Protection Plan
- Rio Grande is binational waters.

Agencies

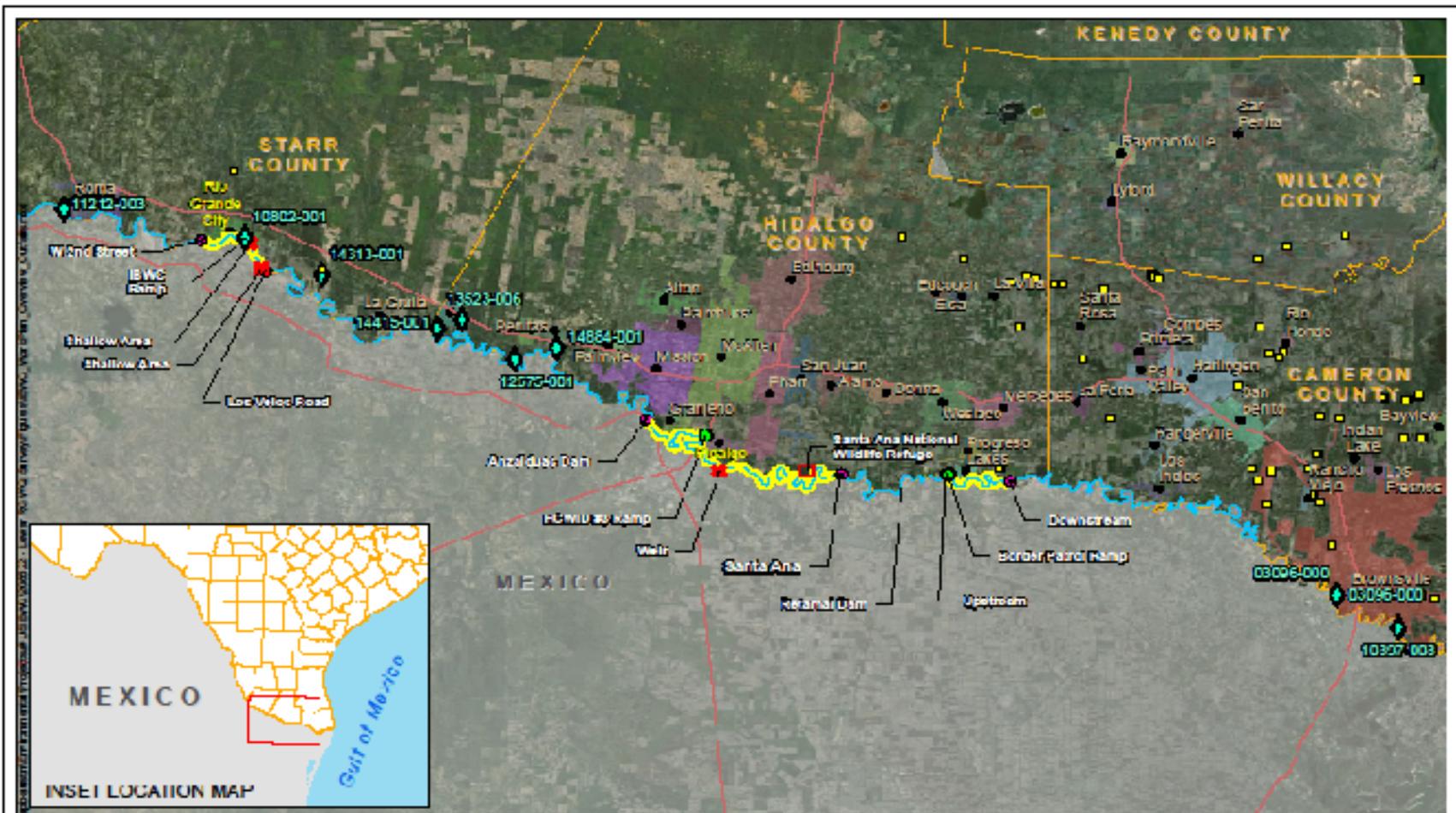
- United States
 - IBWC
 - USEPA
 - TCEQ
- Mexico
 - CILA
 - CONAGUA
 - IMTA
 - CEAT
- Supporting
 - UT
 - BECC

LRGWI

- Terms of Reference and exchange of letters
- Phase I
 - Historical data assessment
 - LA-QUAL modeling
 - Synoptic surveys
- Phase II
 - Expanded sampling
 - Source Identification
 - Recommendations
 - Implementation

LRGWQI Reconnaissance Survey

- Meeting October 29 at the USIBWC Mercedes Field Office, work to begin first week of December
- Survey of all outfalls and diversions
- GPS and photography
- Water Quality sampling
 - Bacteria, salts, nutrients



- Legend**
- Outfalls
 - TCEQ Surface Water Permitted Diversions
 - Start & End points
 - Access Point
 - Obstruction
 - Rio Grande/Rio Bravo
 - IDWC Survey Areas
 - Roads
 - U.S. Counties
 - Mexico



SCALE IN MILES
1" = 11 miles

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AeroX, GeoEye, IGN, GE, swisstopo, etc the GIS User Community



STUDY AREA OVERVIEW MAP
IEWC RIO GRANDE OUTFALL DIVERSIONS SURVEY
STARR, HIDALGO COUNTIES, TX

PROJECT NUMBER: 201822	FILE NAME: BWC_WorkMap_Overview
AUTHOR: DOMARRIN	DATE: 10/26/2011

TRC

OFFICE: HEINTZ AND PR SUITE 260 AUSTIN, TX 78752 (512) 325-6050	FIGURE 1
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