

LOWER RIO GRANDE VALLEY DEVELOPMENT COUNCIL



PRESENTATION

to the

US INTERNATIONAL BOUNDARY & WATER COMMISSION

LOWER RIO GRANDE CITIZEN'S FORUM

on the

***“Regional Economic Adjustment Plan for
Building Disaster Resilient Communities”***

EDA Grant Number 08-79-04390

USIBWC Field Office, Mercedes, Texas

March 23, 2011

PRESENTATION OUTLINE



I. OVERALL PROJECT SUMMARY

II. PROJECT ELEMENTS AND STATUS

III. OPPORTUNITY FOR COMMENTS & QUESTIONS



I. OVERALL PROJECT SUMMARY

I. OVERALL PROJECT SUMMARY



PROJECT TITLE *“Regional Economic Adjustment Plan for Building Disaster-Resilient Communities in the Lower Rio Grande Valley” (LRGV Regional EAP).*



Primary objective is to develop a regional master plan to ensure economic growth and economic recovery following natural disasters.

❖ *Cameron, Willacy, Hidalgo, and Starr County.*



“Regional Economic Adjustment Plan for Building Disaster Resilient Communities”

EDA Grant Number 08-79-04390

USIBWC Lower Rio Grande Citizen’s Forum – March 23, 2011

I. OVERALL PROJECT SUMMARY



■ Project Area Issues

- Five major outfalls to the Laguna Madre / Gulf of Mexico
- River, Arroyo Colorado Floodway, North Floodway, Main Floodwater Channel, and the Raymondville Drain.
- **Problem: Three of the Five are operated by the USIBWC; cannot use if there is a regional event and the Channels are being used by the USIBWC.**
- **Problem: Funding is Scarce and Congressional Leaders Like Regional Plans.**
- **Solution: Develop Regional Plan.**

I. OVERALL PROJECT SUMMARY



- **Goals of the Project (to meet EDA):**
 - **Collect data for a GIS inventory / database.**
 - **Evaluate the data - existing and future.**
 - **Develop a “big picture” plan.**
 - **Identify and evaluate assets.**
 - **Identify projects needed for improvements.**
 - **Develop a Regional Plan.**



II. PROJECT ELEMENTS AND STATUS

II. PROJECT ELEMENTS AND STATUS



- To accomplish the Regional Plan, and the goals of the project, there are four major elements:
 1. Facilitation-Coordination / Public Involvement
 2. GIS Inventory / Mapping and Data Collection
 3. Evaluation of Existing / Future Conditions
 4. Regional Plan: CIP / Implementation



II. PROJECT ELEMENTS AND STATUS

1. Facilitation-Coordination and Public Involvement

II. PROJECT ELEMENTS AND STATUS

1. *Facilitation-Coordination / Public Involvement*

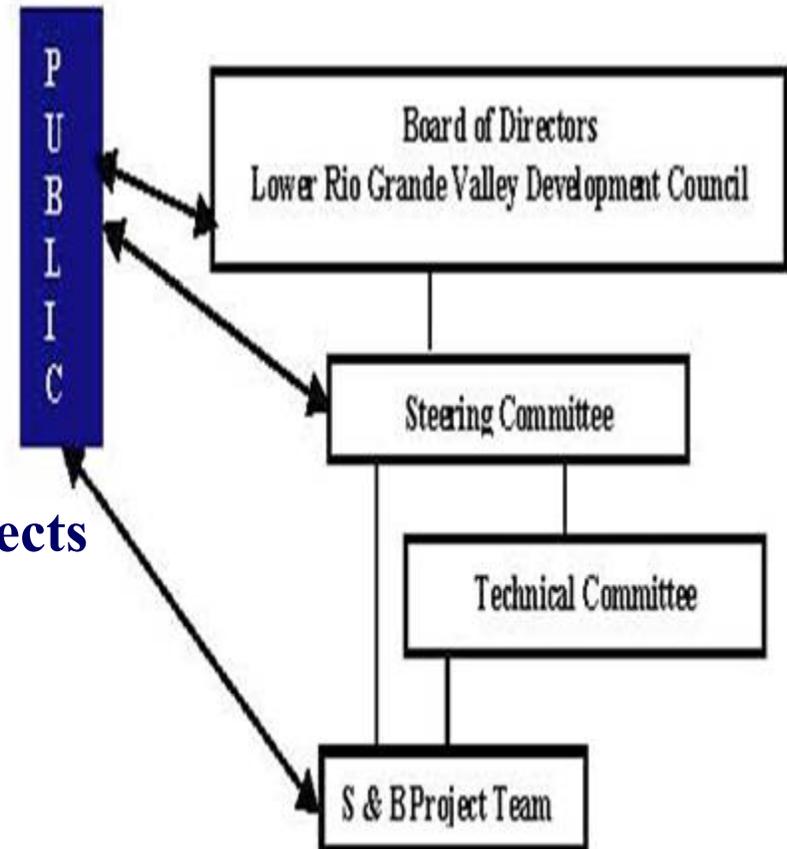


■ Facilitation-Coordination - to help guide the development of the project:

a. LRGVDC Board

b. Steering Committee

- guides **OVERALL** development
- provides input regarding –
 - identification of potential projects
 - prioritization of projects



● **Steering Committee Members:**

- **29 members appointed by LRGVDC Board**
- **Hidalgo-11,**
- **Cameron-9,**
- **Willacy-7,**
- **Starr-2**

County	Name	Title / Organization / Affiliation	
Hidalgo County			
	Eddy Gonzalez	Mayor, Pro-Tem	City of Edcouch
	Tito Palacios	Commissioner	County Precinct #2
	Domingo Villareal	HCP#3 Coordinator	County Precinct #3
	Joseph Palacios	Commissioner-Elect	County Precinct #4
	Godfrey Garza	District Manager	HCDD#1
	Pilar Rodriguez, PE	Asst City Manager	City of McAllen
	Alma Garza	Commissioner	City of Edinburg
	Leo "Polo" Palacios	Mayor	City of Pharr
	Julio Cerda, PE	City Manager	City of Mission
	Troy Allen	General Manager	Delta Lake Irrig Dist
	Sonny Hinojosa	General Manager	Irrigation District #2
Cameron County			
	Robert Pinkerton	Mayor	South Padre Island
	Eddy Hernandez	Dir of Customer & Inf Services	Brownsville Public Utility
	David A. Garza	Commissioner	County Precinct #3
	Steve Brewer	Mayor	City of La Feria
	Dan Serna	Public Works Director	City of Harlingen
	Jeff Johnston	Asst City Manager	City of Brownsville
	Wayne Halbert	General Manager	Harlingen Irrig District
	Eddie Campirano	Port Director and CEO	Port Of Brownsville
	Tom Hushen	Past Chief Emergency Officer	Cameron County
Willacy County			
	Tony Nieto	Plant Manager	Kenaf Industries
	Jerry Taylor	General Manager	El Sauz Ranch
	Fred Serrato	Commissioner	County Precinct #3
	Aurelio Guerra	Commissioner	County Precinct #4
	Eleazar "Yogi" Garcia	City Manager	City of Raymondville
	Orlando Correa	Mayor	City of Raymondville
	John F. Gonzales	County Judge - Elect	Commissioner's Court
Starr County			
	Abel Gonzalez	Commissioner	County Precinct #4
	Rose Benavidez	Executive Director	Starr County Ind Found

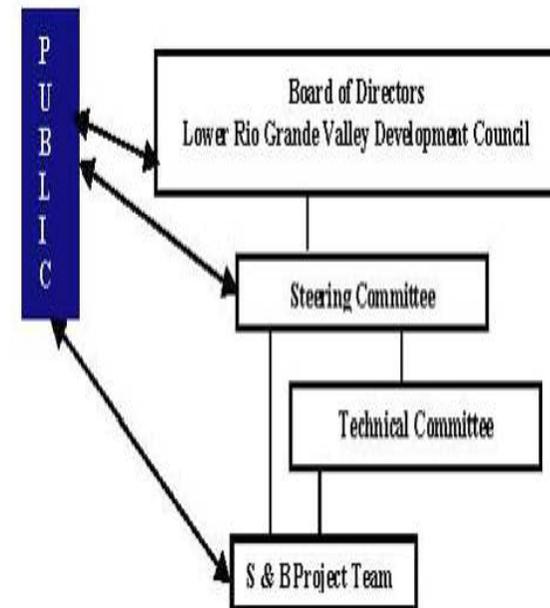
II. PROJECT ELEMENTS AND STATUS

1. *Facilitation-Coordination / Public Involvement*



c. Technical Committee

- guides TECHNICAL development
- assists with collection of technical data
- provides input regarding technical aspects –
 - identification of potential projects
 - prioritization of projects



● **Technical Committee Members:**

- 18 members appointed by LRGVDC Board
- Hidalgo-7, Cameron-6, Willacy-4, Starr-1

County	Name	Organization / Affiliation	
Hidalgo County			
	Jo Jo White	General Manager	HCCID#9
	Ramiro Gutierrez, PE	President	R.Gutierrez Engineering Corp
	Javier Hinojosa, PE	President	Javier Hinojosa Engineering
	Raul Sesin, PE	Planning Engineer	Hidalgo County Planning
	Noe Saldivar, PE	Technical Engineer	HCDD#1
	Raul Lozano *	Chief Administrator	County Precinct #1
	Richard Garcia *	City Manager	City of Mercedes
Cameron County			
	James L. Holdar, PE	Professional Engineer	Holdar Engineering
	Louis Ara	Road/Bridge Superintendent	County Precinct #3
	Jack L. Brown, PE	President	Brown Leal & Associates
	Sonia Lambert	General Manager	C C Irrig District #2
	Alan Moore, PE	General Manager	Cameron Co Drain Dist #5
	Bobby Sparks	Landowner - agricultural / farm	RS Farms
Willacy County			
	Freddie Nieto	Wildlife Manager	E1 Sauz Ranch
	Gary Palousek	Board Member	WCDD#2
	Paul Greenhill *	General Manager	WCDD#1
	Juan Pena**	District Conservationist	Lyford - NRCS
	Raul Flores	Willacy County Engineer	Willacy county
Starr County			
	Eloy Vera, PE	County Judge	Starr County

II. PROJECT ELEMENTS AND STATUS

1. *Facilitation-Coordination / Public Involvement*



- **Public Involvement – reaching out, educating, opportunities for citizen input:**
 - **Focus Groups – to help obtain consensus on major issues.**
 - **Public Meetings –**
 - **First Round, one in each county to formally introduce project, state its purpose and goals, and to obtain input.**
 - **Second Round, one in each county precinct to present and gather input for the Draft LRGV Regional EAP.**

II. PROJECT ELEMENTS AND STATUS

1. Facilitation-Coordination / Public Involvement



Public Involvement, continued.

• Website –

- www.lrgv-regional-eap.com

- Allows opportunity for public comment thru:
 - > “log-in” comment,
 - > “log-in” survey,
 - > download of Comment Sheet,
 - > advertisement of 1-800 number (1-800-945-2156).

LRGV Regional Economic Adjustment Plan

Regional Economic Adjustment Plan for Building Resilient Communities in the Lower Rio Grande Valley

Home

The Lower Rio Grande Valley Development Council (LRGVDC) has obtained an Economic Development Administration (EDA) grant to develop a project entitled "Regional Economic Adjustment Plan for Building Resilient Communities". The purpose of this grant is to develop a regional master plan for the four counties of the Lower Rio Grande Valley (LRGV), which include Cameron, Hidalgo, Willacy, and portions of Starr, that will assist economic growth and economic recovery following natural disasters.

**LOWER RIO GRANDE VALLEY
REGIONAL PROJECT - FOUR COUNTY AREA**

The major product of the project will be a master plan entitled "Regional Economic Adjustment Plan (EAP) for Building Disaster Resilient Communities in the Lower Rio Grande Valley".

The project title is "LRGV Regional EAP".

Associated with the LRGV Regional EAP will be a Geographic Information System (GIS) centered database for the

II. PROJECT ELEMENTS AND STATUS

1. *Facilitation-Coordination / Public Involvement*



■ **Status:**

- **Technical / Steering Committees:**

- held one Joint Meeting for initial kick-off 6-17-2010
- held one Technical Committee Meeting 8-19-2010
- held one Steering Committee Meeting 9-22-2010
- held one Joint Meeting 12-9-2010
- remaining – one joint meeting scheduled for 5-13-2011

- **Public Meetings –**

- First Round – Held week of January 10, 2011
- Second Round – Has not been scheduled.



II. PROJECT ELEMENTS AND STATUS

2. GIS Inventory / Mapping and Data Collection

II. PROJECT ELEMENTS AND STATUS

2. *GIS Inventory / Mapping and Data Collection*



- Establishes the basis for the development of the LRGV Regional EAP; essentially 3 major elements.

a. Electronic Mapping Data

b. Historical Project Data and Criteria

c. Mapping Exhibits

GIS_DATA (ESRI GIS data)

- BOUNDARY (watershed, city, county, state, etj, etc.)
- COLONIAS (Colonia data)
- ENVIRONMENTAL (constraints, floodplain, soils, wetland, historical, etc.)
- GEOHMS (hydrologic program specific shapefiles)
- GPS (GIS data collected using GPS)
- HYDRO (streams, rivers, lakes, ditches, channels, resaca, etc.)
- LANDUSE (land use data)
- LIDAR (aerial survey, ground elevation data, contours, TIN files, GRID files, etc.)
- LOGOS (all logos used on maps for project)
- MAPS (project files used to create maps, pdf copies of maps)
- METADATA (ESRI FGDC format)
- PARCEL (tax appraisal data by county)
- SCRIPTS (Visual Basic, AVX, etc. files used to generate data/maps)
- SEALS (Engineer Seals, graphics)
- STRUCTURES (pump stations, flood gates, etc.)
- SURVEY (land survey data)
- TRANSPORTATION (bridges, streets, roads, highways, etc.)
- UTILITIES (power plants, gas lines, electric lines, water lines, water meters, etc.)

II. PROJECT ELEMENTS AND STATUS

2. *GIS Inventory / Mapping and Data Collection*



- **Steps for GIS Inventory / Mapping and Data Collection:**
 - a. Obtain data from available on-line data-bases and/or County 911.
 - b. Review and consolidate other project-relevant spatial data.
 - c. Collect master plans / land use maps; if none exist, meet with Entity to develop conceptual.
 - d. Prepare drainage system inventories.
 - e. Identify environmental issues / constraints.
 - f. Identify assets and revenue generators.
 - g. Identify critical roadway infrastructure.
 - h. Collect appraisal district property ownership data.

II. PROJECT ELEMENTS AND STATUS

2. GIS Inventory / Mapping and Data Collection



- Entity Distribution - To-Date have identified 188 Entities within the Project Study Area

	Cameron	Hidalgo	Willacy	Starr
City-Inc	18	23	3	0
City-UnInc	31	37	11	4
Precincts	4	4	4	3
Drainage	4	1	2	1
Irrigation	7	8	1	0
Navigation	3	0	1	0
Water	0	4	0	0
EDC	4	7	1	2
Total	71	84	23	10
188				
	38%	45%	12%	5%

ENTITY DISTRIBUTION / TEAM ASSIGNMENTS



• Cameron County

Cameron County		Cities / Communities		Drainage Districts	Irrigation Districts	Navigation Districts	Economic Development Corporations
	Incorporated		Unincorporated				
Precinct 1	Bayview		Arroyo City	Cameron County Drainage District #1	Adams Gardens Irrigation District #19	Brownsville Navigation District	Harlingen Economic Development Corporation
Sophia C. Benavides	Brownsville		Precinct 3 Arroyo Colorado Estates	Cameron County Drainage District #3	Bayview Irrigation District #11	Port Isabel-San Benito Navigation District	Brownsville Economic Development Council
Precinct 2	Combes		Precinct 4 Arroyo Gardens La Tina	Cameron County Drainage District #4	Brownsville Irrigation District (Brownsville)	Harlingen Navigation District	Port Isabel Economic Development Corporation
Ernie Hernandez	Harlingen		Precinct 1, 4 Bixby	Cameron County Drainage District #5	Cameron County Irrigation District #2 (San Benito)		South Padre Economic Development Corporation
Precinct 3	Indian Lake		Precinct 4 Blue Town-Iglesia Antigua		Harlingen Irrigation District #1 (Harlingen)		
David A. Garza	La Feria		Precinct 2 Cameron Park		La Feria Irrigation District Cameron County #3 (La Feria)		
Precinct 4	Laguna Vista		Precinct 2, 3 Chula Vista-Orason		United Irrigation District of Cameron County (United)		
Dan Sanchez	Los Fresnos		Precinct 2 Del Mar Heights				
	Los Indios		Precinct 3 El Camino Angosto				
	Palm Valley		Precinct 4 Encantada-Ranchito El Calaboz				
	Port Isabel		Precinct 4 Grand Acres				
	Primera		Precinct 3 Green Valley Farms				
	Rancho Vieja		Precinct 4 La Feria North				
	Rangerville		Precinct 4 La Paloma				
	Rio Hondo		Precinct 4 Lago				
	San Bennito		Precinct 1, 3 Laguna Heights				
	Santa Rosa		Precinct 3 Las Palmas-Juarez				
	South Padre Island		Precinct 4 Lasana				
			Precinct 3 Laureles				
			Precinct 4 Lozano				
			Precinct 2 Olmito				
			Precinct 4 Ratamosa				
			Precinct 1 Reid Hope King				
			Precinct 2, 4 San Pedro				
			Precinct 4 Santa Maria				
			Precinct 4 Solis				
			Precinct 1 South Point				
			Precinct 4 Tierra Bonita				
			Precinct 1 Villa Pancho				
			Precinct 3, 4 Villa del Sol				
			Precinct 4 Yznaga				
4	18		31	4	7	3	4

L&G

TEDSI

S&B

CSEI



“Regional Economic Adjustment Plan for Building Disaster Resilient Communities”
 EDA Grant Number 08-79-04390
 USIBWC Lower Rio Grande Citizen’s Forum- March 23, 2011

ENTITY DISTRIBUTION / TEAM ASSIGNMENTS



• Hidalgo County

Hidalgo County	Cities / Communities		Drainage Districts	Irrigation Districts	Water Districts	Navigation Districts	Economic Development Corporations
	Incorporated	Unincorporated					
Precinct 1	Alamo	Precinct 3 Abram-Perezville	Hidalgo County Drainage District #1	Donna Irrigation District	Hidalgo County #1 (Donn Valley Acres Water District		Alamo Economic Development Corporation
Joel Quintanilla	Alton	Precinct 3 Alton North		Engelman Irrigation District	Military Highway Water Supply		
Precinct 2	Donna	Precinct 4 Cesar Chavez		Hidalgo County Irrigation District #1 (Edinburg)	Hidalgo County Municipal Utility District		Edinburg Economic Development Corporation
Hector 'Tito' Palacios	Edcouch	Precinct 3 Citrus City		Hidalgo County Irrigation District #2	AGUA S.U.D.		McAllen Economic Development Corporation
Precinct 3	Edinburg	Precinct 3 Cuevitas		Hidalgo County Irrigation District #6			Mission Economic Development Authority
Joe Flores	Elsa	Precinct 3 Doffing		Hidalgo and Cameron Counties Irrigation District #9 (Mercedes)			Pharr Economic Development Corporation
Precinct 4	Granjeno	Precinct 4 Doolittle		Santa Cruz Irrigation District #15			San Juan Economic Development Corporation
Joseph Palacios	Hidalgo	Precinct 3 El Gato		Hidalgo County Irrigation District #16			
	La Joya	Precinct 4 Faysville					
	La Villa	Precinct 3 Hargill					
	McAllen	Precinct 3 Havana					
	Mercedes	Precinct 1 Heidelberg					
	Mission	Precinct 1 Indian Hills					
	Palmhurst	Precinct 1, 4 La Blanca					
	Palmview	Precinct 3 La Homa					
	Penitas	Precinct 1 Laguna Seca					
	Pharr	Precinct 1 Llano Grande					
	Progreso	Precinct 2, 4 Lopezville					
	Progreso Lakes	Precinct 3 Los Ebanos					
	San Juan	Precinct 1, 2, 3, 4 McCook					
	Sullivan City	Precinct 1 Midway North					
	Weslaco	Precinct 1 Midway South					
		Precinct 1 Mila Doce					
		Precinct 1 Monte Alto					
		Precinct 4 Muniz					
		Precinct 2, 4 Nurillo					
		Precinct 1 Olivarez					
		Precinct 3 Palmview South					
		Precinct 1 Relampago					
		Precinct 2 Runn					
		Precinct 4 San Carlos					
		Precinct 4 San Manuel-Linn					
		Precinct 1 Scissors					
		Precinct 3 Sharyland					
		Precinct 1, 2 South Alamo					
		Precinct 4 Val Verde					
		Precinct 1 Villa Verde					

L&G
G&M
S&B

ENTITY DISTRIBUTION / TEAM ASSIGNMENTS



• Starr County

Starr County	Incorporated	Cities / Communities		Drainage Districts	Economic Development Corporations
		Incorporated	Unincorporated		
Precinct 1 Jaime M. Alvarez				New District	Rio Grande City EDC Starr County Industrial Foundation
Precinct 3 Eloy Garza					
Precinct 4 Abel Gonzalez, Jr.					
			Precinct 4 San Isidro		
			Precinct 4 La Gloria Precinct 3 La Reforma	S&B	
			Precinct 3 Santa Elena		
3	0		4	1	2

ENTITY DISTRIBUTION / TEAM ASSIGNMENTS



• Willacy County

Willacy County	Cities / Communities		Drainage Districts	Irrigation Districts	Navigation Districts	Economic Development Corporations
	Incorporated	Unincorporated				
Precinct 1 Eliberto "Beto" Guerra	Lyford	Precinct 3 Bausell and Ellis	Willacy County Drainage District #1	Delta Lake Irrigation District	Willacy County Navigation District	Raymondville EDC
Precinct 2 Noe Loya	Raymondville	Precinct 1 Lasara	Willacy County Drainage District #2			
Precinct 3 Fred Serrato	San Perlita	Precinct 1 Los Angeles			G&M	
Precinct 4 Dora Perez		Precinct 4 Lyford South			TEDSI	
		Precinct 2 Port Mansfield				
		Precinct 1 Ranchette Estates				
		Precinct 4 Santa Monica				
		Precinct 4 Sebastian				
		Precinct 3 Willamar				
		Precinct 1 Yturra				
		Precinct 4 Zapata Ranch				

4

3

11

2

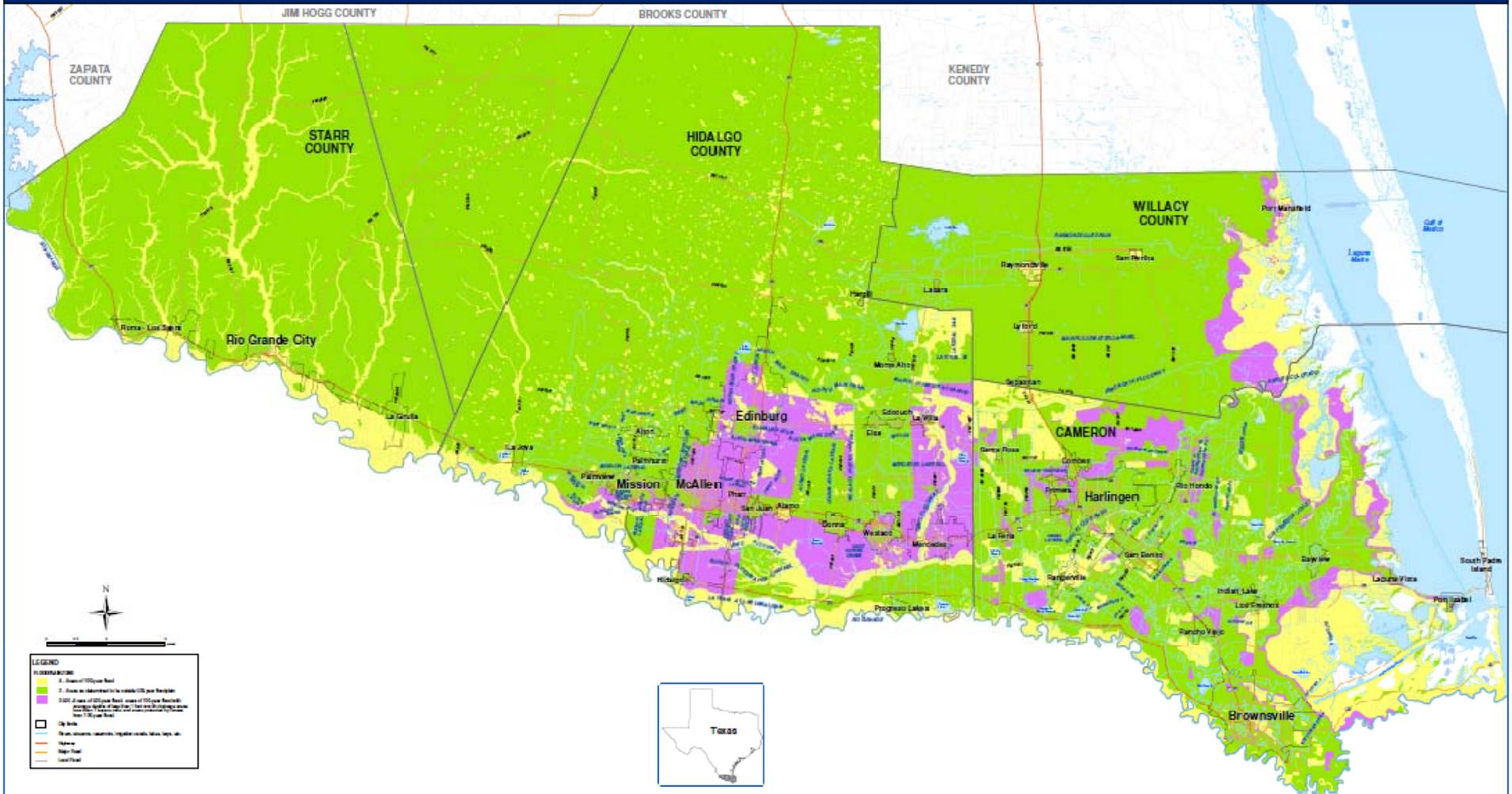
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LOWER RIO GRANDE VALLEY FOUR COUNTY AREA - FLOODPLAIN MAP



*Regional Economic Adjustment Plan for
Building Disaster Resilient Communities*





II. PROJECT ELEMENTS AND STATUS

3. Evaluation of Existing and Future Conditions

II. PROJECT ELEMENTS AND STATUS

3. Evaluation of Existing and Future Conditions



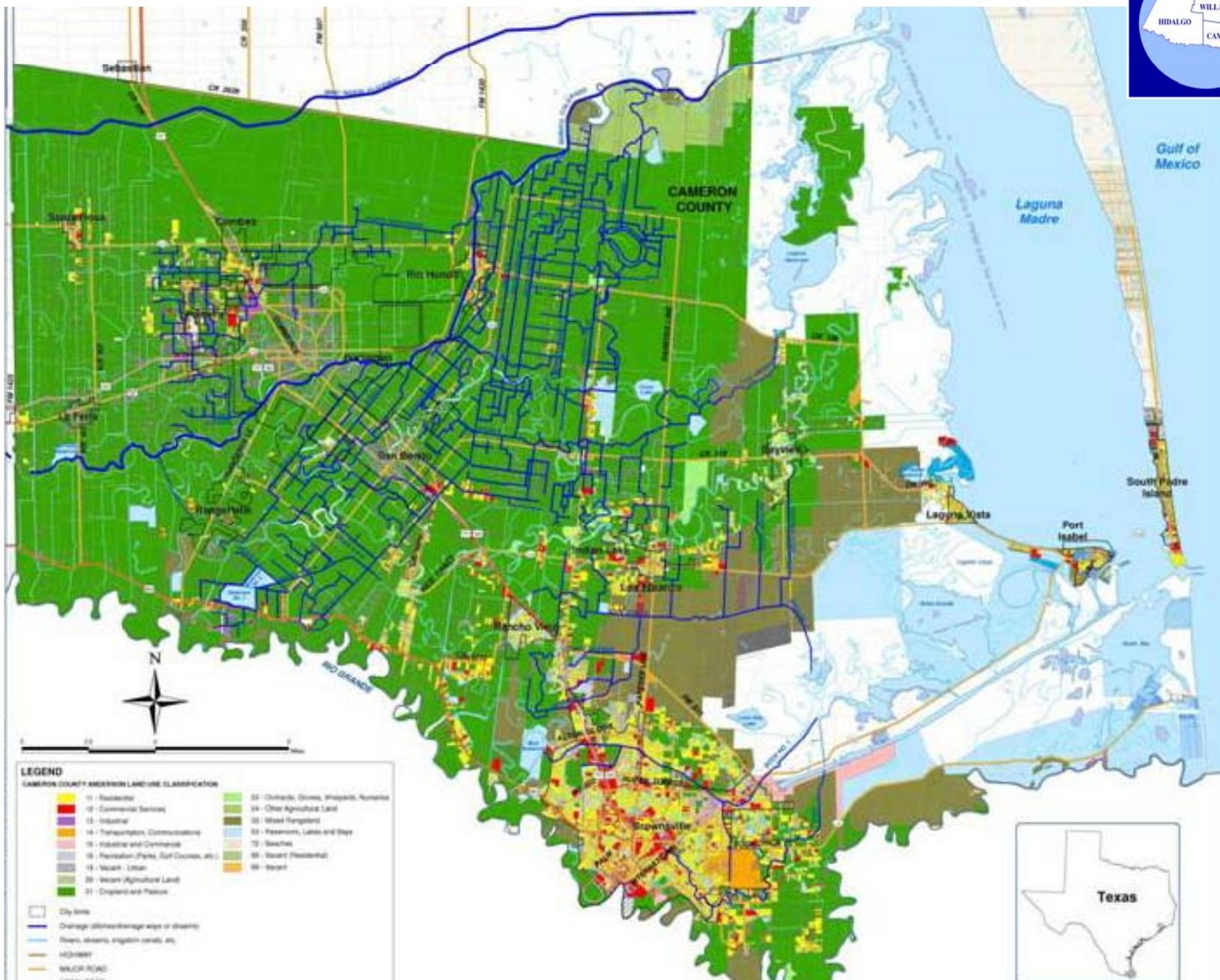
Land Use Characterization Studies:

- a. Generate and/or ensure GIS-based land use are based on the project-identified categories / attributes.

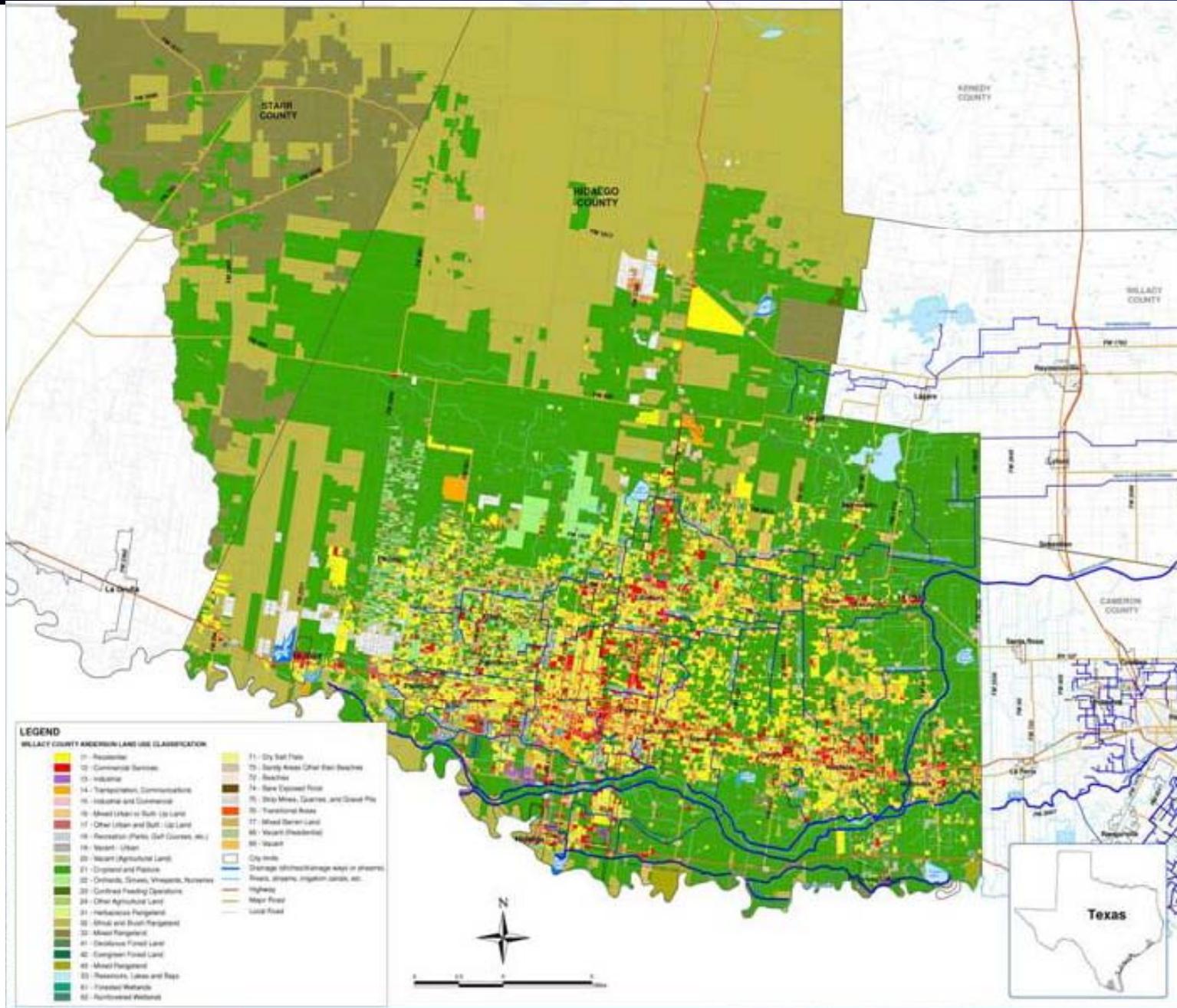
	11 - Residential		71 - Dry Salt Flats
	12 - Commercial Services		73 - Sandy Areas Other than Beaches
	13 - Industrial		72 - Beaches
	14 - Transportation, Communications		74 - Bare Exposed Rock
	15 - Industrial and Commercial		75 - Strip Mines, Quarries, and Gravel Pits
	16 - Mixed Urban or Built-Up Land		76 - Transitional Areas
	17 - Other Urban and Built-Up Land		77 - Mixed Barren Land
	18 - Recreation (Parks, Golf Courses, etc.)		98 - Vacant (Residential)
	19 - Vacant - Urban		99 - Vacant
	20 - Vacant (Agricultural Land)		City limits
	21 - Cropland and Pasture		Drainage (ditches/drainage ways or streams)
	22 - Orchards, Groves, Vineyards, Nurseries		Rivers, streams, irrigation canals, etc.
	23 - Confined Feeding Operations		Highway
	24 - Other Agricultural Land		Major Road
	31 - Herbaceous Rangeland		Local Road
	32 - Shrub and Brush Rangeland		
	33 - Mixed Rangeland		
	41 - Deciduous Forest Land		
	42 - Evergreen Forest Land		
	43 - Mixed Rangeland		
	53 - Reservoirs, Lakes and Bays		
	61 - Forested Wetlands		
	62 - Nonforested Wetlands		

Category	Classification Code	Land Use Description
1) Urban or Built-up Land	11	Residential
	12	Commercial Services
	13	Industrial
	14	Transportation, Communications
	15	Industrial and Commercial
	16	Mixed Urban or Built-Up Land
	17	Other Urban and Built-Up Land
	18	Recreation (Parks, Golf Courses, etc.)
	19	Vacant - Urban
2) Agricultural Land	20	Vacant
	21	Cropland and Pasture
	22	Orchards, Groves, Vineyards, Nurseries
	23	Confined Feeding Operations
	24	Other Agricultural Land
3) Rangeland	31	Herbaceous Rangeland
	32	Shrub and Brush Rangeland
	33	Mixed Rangeland
4) Forest Land	41	Deciduous Forest Land
	42	Evergreen Forest Land
	43	Mixed Forest Land
5) Water	51	Streams and Canals
	52	Lakes
	53	Reservoirs
	54	Bays and Estuaries
6) Wetland	61	Forested Wetlands
	62	Nonforested Wetlands
7) Barren Land	71	Dry Salt Flats
	72	Beaches
	73	Sandy Areas Other than Beaches
	74	Bare Exposed Rock
	75	Strip Mines, Quarries, and Gravel Pits
	76	Transitional Areas
	77	Mixed Barren Land
8) Tundra	81	Shrub and Brush Tundra
	82	Herbaceous Tundra
	83	Bare Ground
	84	Wet Tundra
	85	Mixed Barren Land
9) Vacant	98	Vacant (Residential)
	99	Vacant

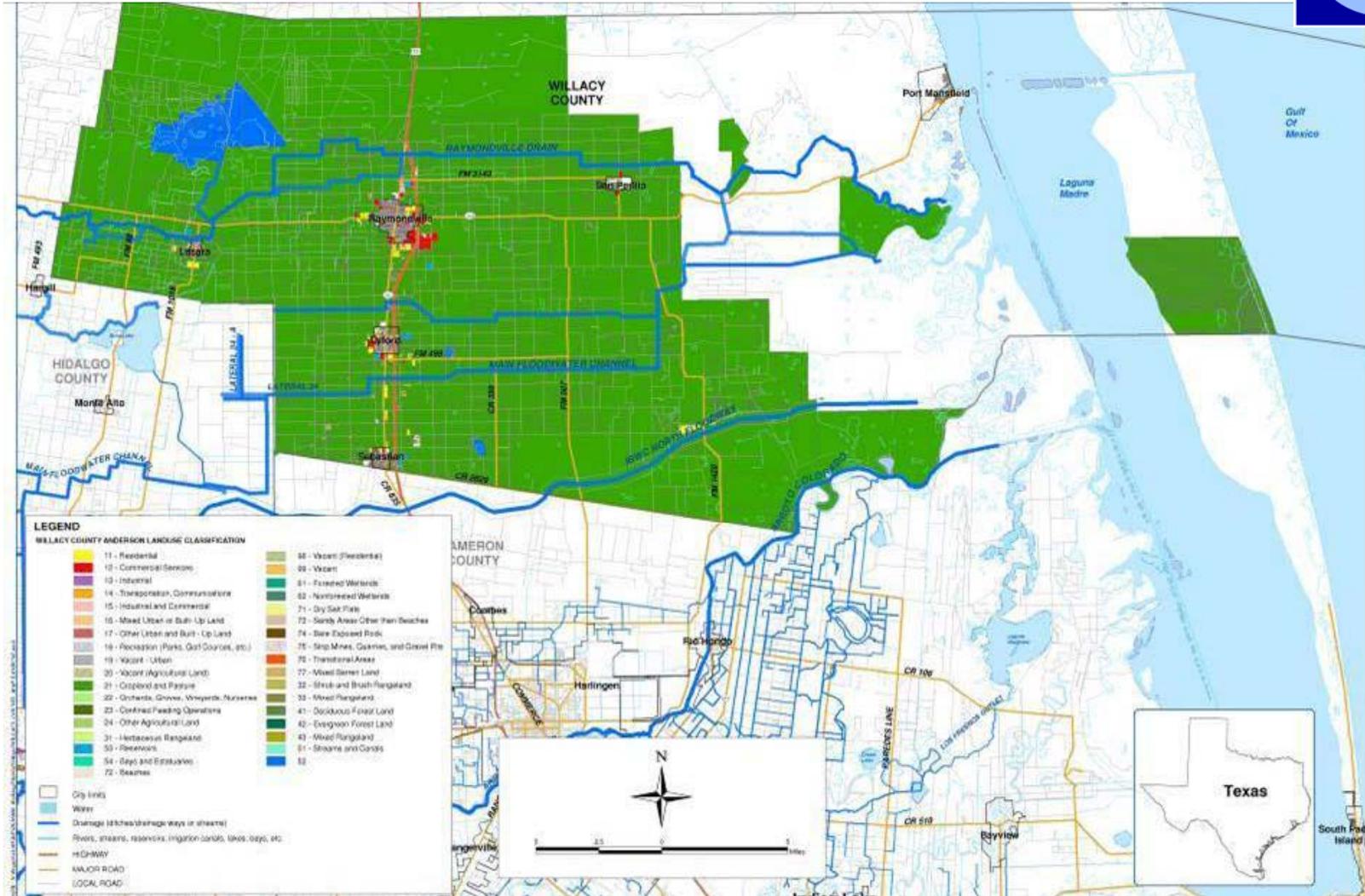
CAMERON COUNTY – LAND USE



HIDALGO & STARR COUNTIES – LAND USE



WILLACY COUNTY – LAND USE



II. PROJECT ELEMENTS AND STATUS

3. *Evaluation of Existing and Future Conditions*



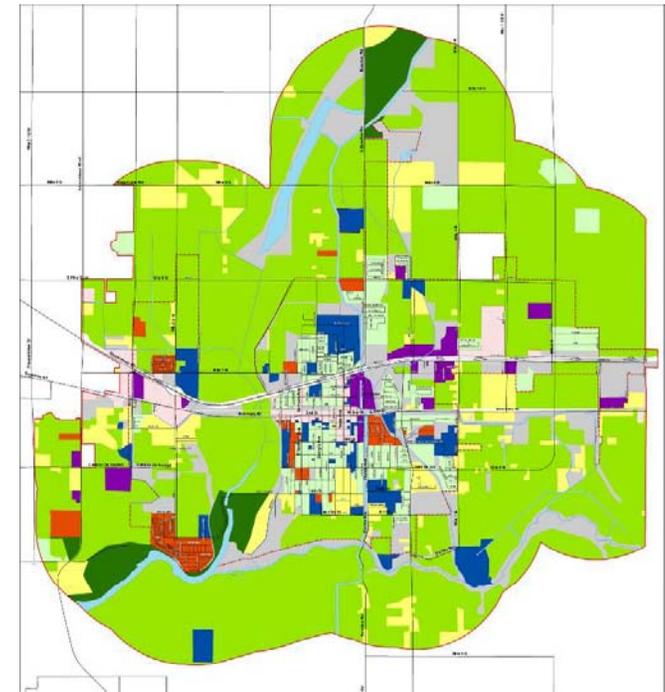
■ Land Use Characterization Studies, continued:

b. Confirm existing / future boundaries

c. Incorporate / Overlay:

- roadways
- environmental
- hurricane impacts
- FEMA FIRM

d. Illustrate / compare.



Example Land Use Characterization Mapping

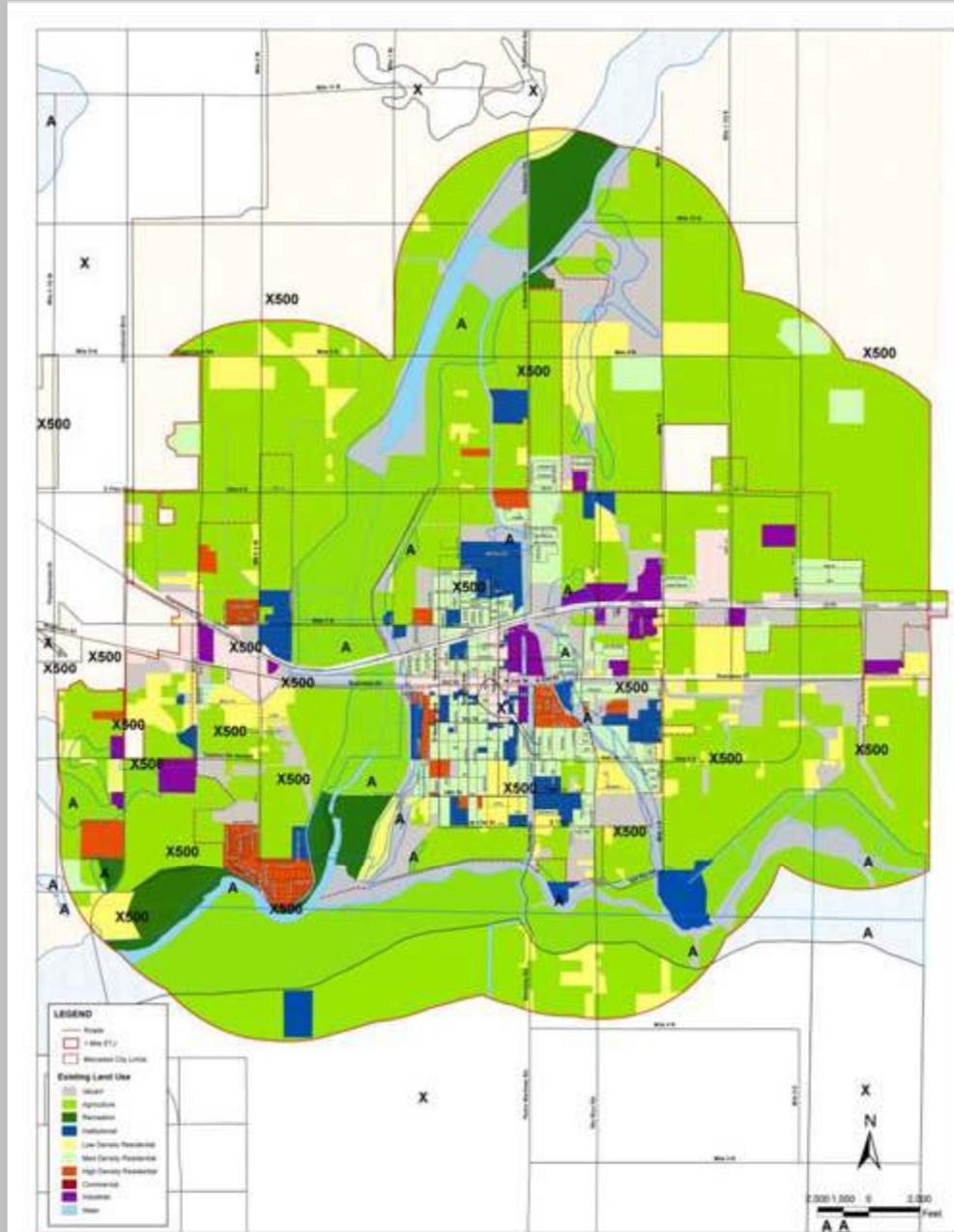
Existing Conditions, Including FEMA

LEGEND

- Roads
- 1 Mile ETJ
- Mercedes City Limits

Existing Land Use

- Vacant
- Agriculture
- Recreation
- Institutional
- Low Density Residential
- Med Density Residential
- High Density Residential
- Commercial
- Industrial
- Water



Example Land Use Characterization Mapping Future Conditions, Including FEMA

LEGEND

— Roads

□ 1 Mile ETJ

□ Mercedes City Limits

Future Land Use

■ HDR/Commercial

■ Commercial/Industrial

■ Downtown Mixed Use

■ Commercial

■ Low Density Residential

■ Med Density Residential

■ Agriculture/Rural

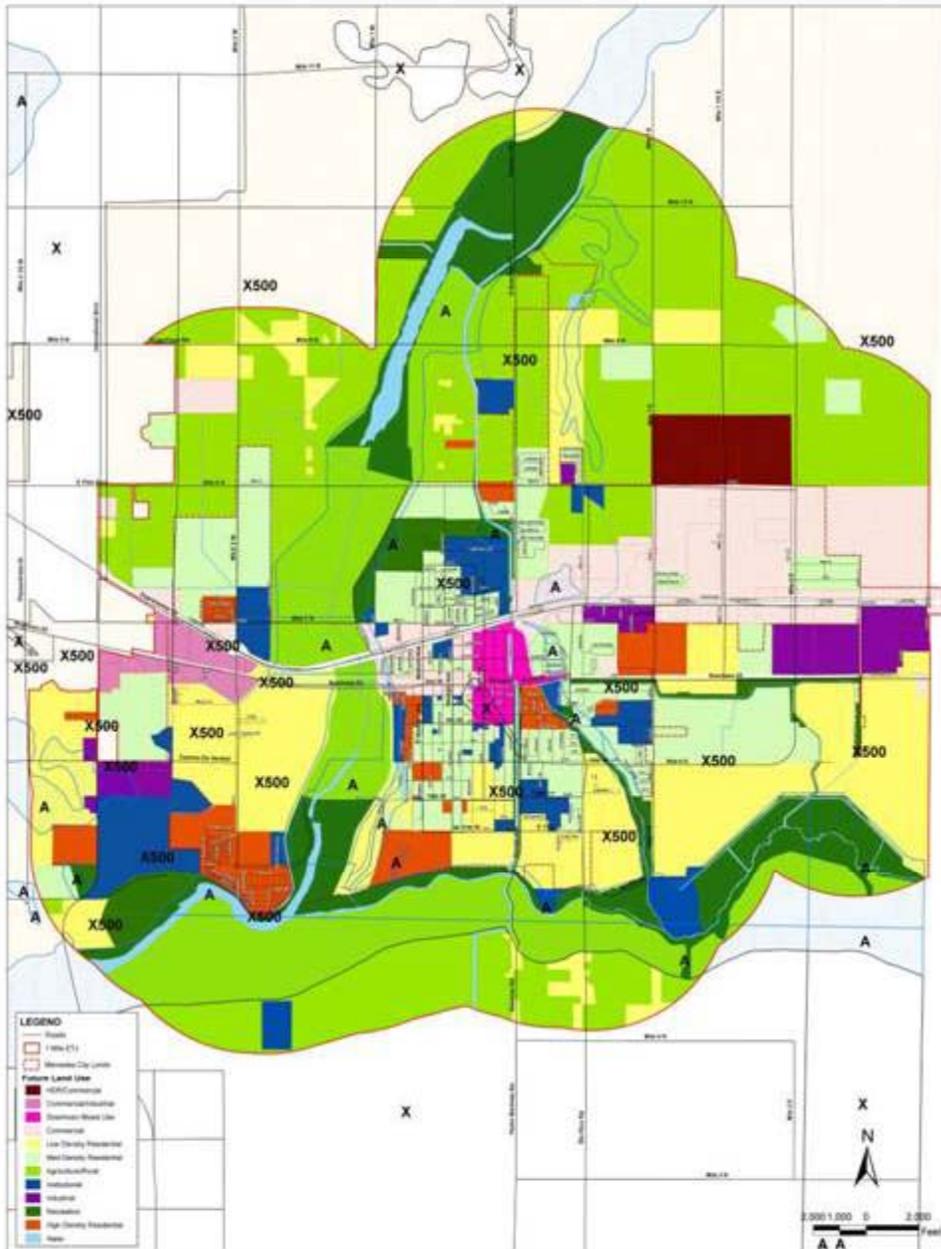
■ Institutional

■ Industrial

■ Recreation

■ High Density Residential

■ Water



II. PROJECT ELEMENTS AND STATUS

3. *Evaluation of Existing and Future Conditions*



- Evaluate Major Assets and Revenue Generators:
 - a. Identify.
 - b. Itemize benefits.
 - c. Determine the cost.

II. PROJECT ELEMENTS AND STATUS

Evaluation of Existing and Future Conditions



■ Perform Drainage System Condition Surveys:

From the collected existing drainage reports / studies -

- Review existing drainage systems.
- Identify any deficiencies and categorize.
- Review identified projects and any alternatives associated with improvements to the deficiency.
- Apply benefit-cost and rate.

II. PROJECT ELEMENTS AND STATUS

3. *Evaluation of Existing and Future Conditions*



■ Evaluate Environmental Constraints:

- a. Perform limited investigations; and,
- b. Identify any permitting requirements.

■ FEMA Map Revisions:

- Identify areas for future map revisions as required.



II. PROJECT ELEMENTS AND STATUS

4. *Regional Plan: CIP / Implementation*

II. PROJECT ELEMENTS AND STATUS

4. *Regional Plan: CIP / Implementation*



- **Identification of Projects – Each Team Member will visit their assigned Entities and obtain the following thru interview / discussion:**
 - a. **List of issues and challenges during and resulting from Hurricane Dolly and Ike;**
 - b. **List and copy of projects and/or studies;**
 - c. **Copy of City, County Design Standards associated with each entity.**

II. PROJECT ELEMENTS AND STATUS

4. *Regional Plan: CIP / Implementation*



- **Cost Estimates** – Each Team Member will review and/or develop cost estimates for each project (for current and future costs).
- **Prioritization and Ranking** – Each project shall be ranked utilizing the Project Identification / Ranking Form. Project ranking will be in groups (Small, Medium, Large).

II. PROJECT ELEMENTS AND STATUS

4. *Regional Plan: CIP / Implementation*



Preliminary Categories of Projects

- Detention
- Drainage Ditch
- Dredging
- Gates or Control Features
- Overall Infrastructure Improvements
- Ocean Containment
- Outfall
- Pumps
- Structure

II. PROJECT ELEMENTS AND STATUS

4. *Regional Plan: CIP / Implementation*



- **Problem Areas Identified To Date**
 - Cameron County: 28
 - Hidalgo and Starr Counties: 59
 - Willacy County: 3

- **Project Areas Identified to Date**
 - Cameron County: 76
 - Hidalgo and Starr Counties: 54
 - Willacy County 15

II. PROJECT ELEMENTS AND STATUS

4. *Regional Plan: CIP / Implementation*



- Potential funding sources will be identified for each project, if available.
- CIP – A CIP schedule will be prepared based on funding availability and project ranking.
- Implementation – Recommendations will be incorporated regarding implementation and administration strategies.



III. OPPORTUNITY FOR COMMENTS / QUESTIONS

