

RESOLUTION 21-07

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PANAMA CITY BEACH, FLORIDA, ADOPTING THE 2020 UPDATE TO THE BAY COUNTY LOCAL MITIGATION STRATEGY PLAN.

WHEREAS, Bay County is susceptible to a variety of natural, technological, and human-caused disasters, including but not limited to, severe weather, hazardous materials incidents, communicable diseases, and domestic security incidents as well as climate change impacts and sea level rise that cause increased inundation, shoreline erosion, flooding from severe weather events, accelerated saltwater contamination of ground water and surface water supplies, and expedited loss of critical habitats; and

WHEREAS, the Disaster Mitigation Act of 2000 was enacted to establish a national disaster hazard mitigation program to reduce the loss of life and property, human suffering, economic disruption, and disaster assistance costs resulting from disasters, and to assist state, local, and tribal governments in implementing effective hazard mitigation measures to ensure the continuation of critical services and facilities after a natural disaster; and

WHEREAS, the Disaster Mitigation Act of 2000, as a condition for qualifying for and receiving future Federal mitigation assistance funding as well as reimbursement for Presidentially Declared Disasters, requires such governments to have Federal Emergency Management Agency approved hazard mitigation plans in place that identify the hazards that could impact their jurisdictions, identify actions and activities to mitigate the effects of those hazards, and establish a coordinated process to implement plans; and

WHEREAS, Bay County's Local Mitigation Strategy, in coordination with governmental and non-governmental stakeholders having an interest in reducing the impact of disasters, and with input from the private sector and other members of the public, developed and substantially revised the Bay County Local Mitigation Strategy to reflect community impacts and new priorities following Hurricane Michael's landfall in our area in 2018; and

WHEREAS, the 2020 update to the Local Mitigation Strategy has been approved by the Florida Division of Emergency Management and the

Federal Emergency Management Agency subject to adoption by the County Board of County Commissioners; and

WHEREAS, the LMS Working Group recommends the formal adoption of the 2020 Update to the Local Mitigation Strategy, including planned future enhancements described therein, by the County and all 7 participating municipalities.

NOW, THEREFORE, be it resolved by the City Council of the City of Panama City Beach, Florida:

Section 1. The foregoing "Whereas" clauses are hereby ratified and confirmed as being true and correct and are hereby made a specific part of this Resolution upon adoption hereof.

Section 2. The City Council hereby approves and adopts the 2020 Update to the Local Mitigation Strategy Plan in its entirety, as revised by the LMS Working Group and approved by the Bay County Board of County Commissioners, the Florida Division of Emergency Management and the Federal Emergency Management Agency.

Section 3. The City Council authorizes staff to pursue available funding opportunities for implementation of proposed mitigation initiatives described in the Local Mitigation Strategy, and upon receipt of such funding or other necessary resources, seek to implement the actions in accordance with the mitigation strategies set out by the Local Mitigation Strategy.


Section 4. The City of Panama City Beach will continue to support and participate in the Local Mitigation Strategy planning and implementation process as required by Federal Emergency Management Agency, the Florida Division of Emergency Management, and the Bay County Local Mitigation Strategy Steering Committee.

Section 5. The Clerk is hereby directed to transmit an original of the executed Resolution to the Bay County Division of Emergency Management, attention Local Mitigation Strategy Coordinator.


This Resolution shall take effect immediately upon its passage.

PASSED in regular session this 8th day of October, 2020, *nunc pro tunc* October 1, 2020.

CITY OF PANAMA CITY BEACH

By: 
Mark Sheldon, Mayor

ATTEST:


Lynne Fasone, City Clerk



STATE OF FLORIDA
DIVISION OF EMERGENCY MANAGEMENT

Ron DeSantis
Governor

Jared Moskowitz
Director

September 18, 2020

Frankie Lumm, Director
Bay County Emergency Management
201 NW 84th Ave
Plantation, Florida 33324

Re: Local Hazard Mitigation Plan Approval Notification

Dear Director Lumm,

Congratulations! The enclosed letter constitutes the Federal Emergency Management Agency's (FEMA) formal approval of the Bay County Local Mitigation Strategy (LMS) plan for the following participating jurisdictions:

Bay County, Unincorporated

The plan has been approved for a period of five (5) years and will expire again on September 15, 2025.

The Mitigation Planning Unit would like to thank you for all of your hard work. It has been a pleasure working with you and we look forward to serving you in the future. If you have any questions regarding this matter, please contact your LMS Liaison Laura Waterman at Laura.Waterman@em.myflorida.com or 850-815-4512.

Respectfully,

Miles E. Anderson,
Bureau Chief, Mitigation
State Hazard Mitigation Officer

MEA/lw

Attachments: 09/15/2020 FEMA Approval Letter for Bay County Unincorporated.



FEMA

September 15, 2020

Mr. Miles Anderson
State Hazard Mitigation Officer
Division of Emergency Management
2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100

Reference: Local Mitigation Strategy: Bay County

Dear Mr. Anderson:

The Bay County, FL Local Mitigation Strategy (LMS) Plan Update is in compliance with the Federal hazard mitigation planning requirements resulting from the Disaster Mitigation Act of 2000 as contained in 44 CFR 201.6. The plan is approved for a period of five (5) years to September 15, 2025. This letter is to confirm that the following jurisdiction is approved under the Bay County, FL Local Mitigation Strategy Plan Update in accordance with the Program Administration by States (PAS) requirements, effective September 15, 2020, as follows:

This plan approval extends to the following participating jurisdiction that provided a copy of its resolution adopting the Bay County, FL LMS plan:

- Bay County, Unincorporated

The approved participating jurisdiction is hereby eligible applicant through the State for the following mitigation grant programs administered by the Federal Emergency Management Agency (FEMA):

- Hazard Mitigation Grant Program (HMGP)
- Pre-Disaster Mitigation (PDM)
- Flood Mitigation Assistance (FMA)

National Flood Insurance Program (NFIP) participation is required for some programs.

We commend the participants in the Bay County, FL LMS plan for the development of a solid, workable plan that will guide hazard mitigation activities over the coming years. Please note that all requests for funding will be evaluated individually according to the specific eligibility and other requirements of the particular program under which the application is submitted. For example, a specific mitigation activity or project identified in the plan may not meet the eligibility requirements for FEMA funding, and even eligible mitigation activities are not automatically approved for FEMA funding under any of the aforementioned programs.

We strongly encourage each community to perform an annual review and assessment of the effectiveness of their hazard mitigation plan; however, a formal plan update is required at least every five (5) years. We also encourage each community to conduct a plan update process within one (1) year of being included in a Presidential Disaster Declaration or of the adoption of major modifications to their local Comprehensive Land Use Plan or other plans that affect hazard mitigation or land use and development. When you prepare a comprehensive plan update, it must be resubmitted through the State as a "plan update" and is subject to a formal review and approval process by our office. If the plan is not updated prior to the required five (5) year update, please ensure that the draft update is submitted at least six (6) months prior to expiration of this plan approval.

The State and the participants in the Bay County, FL LMS plan should be commended for their close coordination and communications with our office in the review and subsequent approval of the plan. If you or Bay County have any questions or need any additional information, please do not hesitate to contact Gabriela Vigo, of the Hazard Mitigation Assistance Branch, at (229) 225-4546 or Darlene Booker, of my staff at, (770) 220-5404.

Sincerely,



Kristen M. Martinenza, P.E., CFM
Branch Chief
Risk Analysis
FEMA Region IV



BAY COUNTY Florida

LOCAL MITIGATION STRATEGY PLAN 2020

Prepared by the Local Mitigation Strategy Working
Group for the Communities of Bay County

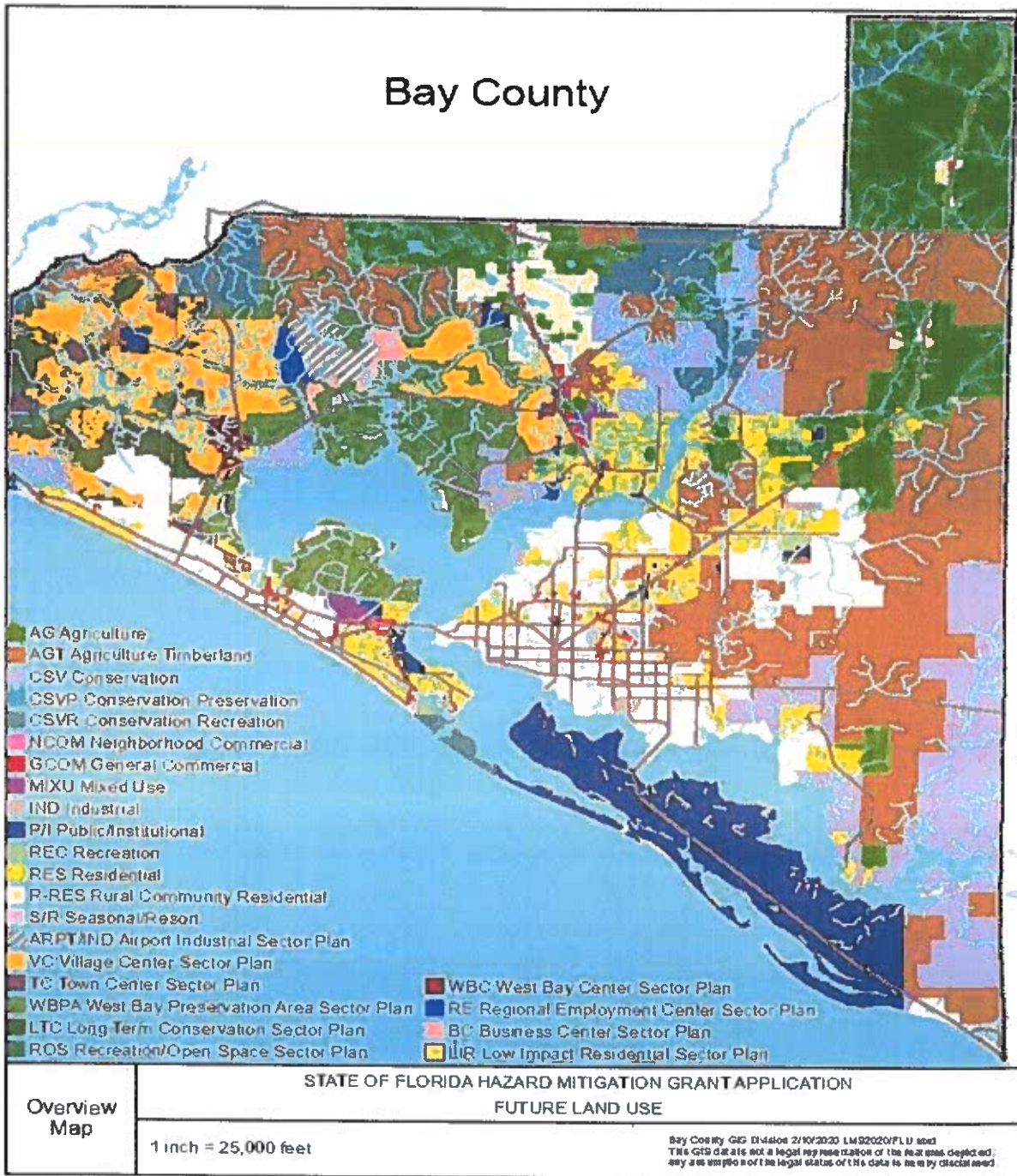
ABSTRACT

"The local mitigation strategy plan is the representation of the jurisdiction's commitment to reduce risks from natural hazards, serving as a guide for decision makers as they commit resources to reducing the effects of natural hazards. Local plans will also serve as the basis for the State to provide technical assistance and to prioritize project funding."
-44 CFR 201.6

Frankie Lumm



MAP 1. BAY COUNTY FUTURE LAND USE



Water Area:

(Florida Center for Instructional Technology, University of South Florida)

Bays/Lakes	Swamps	Branches/Tributaries	Creeks
East Bay	Bearthick Swamp	Goshum Branch	Sweetwater Creek
West Bay	California Swamp	Branning Branch	Reedy Creek
Deer Point Lake	Bear Swamp	Double Branch	Little Bear Creek
Court Martial Lake	Panther Swamp	Dave Branch	Bear Creek
Powell Lake	Old Camp Four Swamp	Long Branch	Juniper Creek
River Lake	Titi Swamp	Beefwood Branch	Moccasin Creek
		Parker Branch	Cat Creek
		Cooks Bayou	South Fork Bear Creek
		Eagles Nest Bayou	Clear Creek
		Mill Bayou	Bayou George Creek
		Clearwater Branch	Callaway Creek
		Doyle Bayou	Boggy Creek
		Kelly Branch	Oliver's Creek
		Tiller Branch	Mule Creek
		Three-mile Branch	Sandy Creek
		Sewell Branch	Burnt Mill Creek
		Ditch Branch	Pigeon Creek
		Dry Branch	Little Crooked Creek
			Crooked Creek
			Otter Creek
			Pine Log Creek
			Cedar Creek
			Econfina Creek

Drainage Patterns

The relatively flat terrain of Bay County and the large areas of wetlands and areas with a high water-table combine to present unique challenges for managing storm water runoff. In addition, the environmental regulations enacted in the past ten years have required storm water runoff treatment prior to its outflow to our natural waterways.

Frequently, where drainage systems exist, storm water runoff problems can be corrected by maintenance and repair efforts. Unfortunately, the County only has drainage easements for 30% of the existing primary drainage outfalls. As such, the County must secure permission from property owners prior to maintaining most outfall ditches.

The Roads and Bridges Division is responsible for the maintenance and repair of roadside drainage systems, primary drainage outfalls and traffic control. The existing infrastructure falls under the purview of this Division:

- Over 800 miles of roadside ditches/swales
- Over 50 bridges
- Over 84 box culverts
- Over 80.5 miles of pipe
- Over 9,301 inlets, headwalls, mitered ends
- Over 125 treatment facilities
- 51 beach outfalls (19 County)
- Over 1,311 Drainage Easements

Over the past several years, the Division has accomplished the following:

- Inventoried the Drainage System
- Revised the Land Use Code, Flood Plain Ordinance and Comprehensive Plan
- Completed 6 detailed sub-basin Master plans
- Completed 56/60 NOV's
- Completed 47 Drainage CIP projects totaling \$16.5 million
- Stabilized over 175 miles dirt roads (47%)
- Initiated an in-house dredging program
- Implemented a County Storm-water Utility
- In process of updating the County Storm-Water Master Plan and Strategic Plan

Future Joint Stormwater/Drainage Projects that Bay County along with Municipalities would like to undertake to ease flooding problems are:

- Transmitter Road Regional Stormwater Facility - (Joint Project between County and City of Springfield)
- Watson Bayou Regional Stormwater Facility - (Joint Project between County and City of Panama City)
- Redwood Avenue Drainage System - (Joint Project between County and City of Panama City)

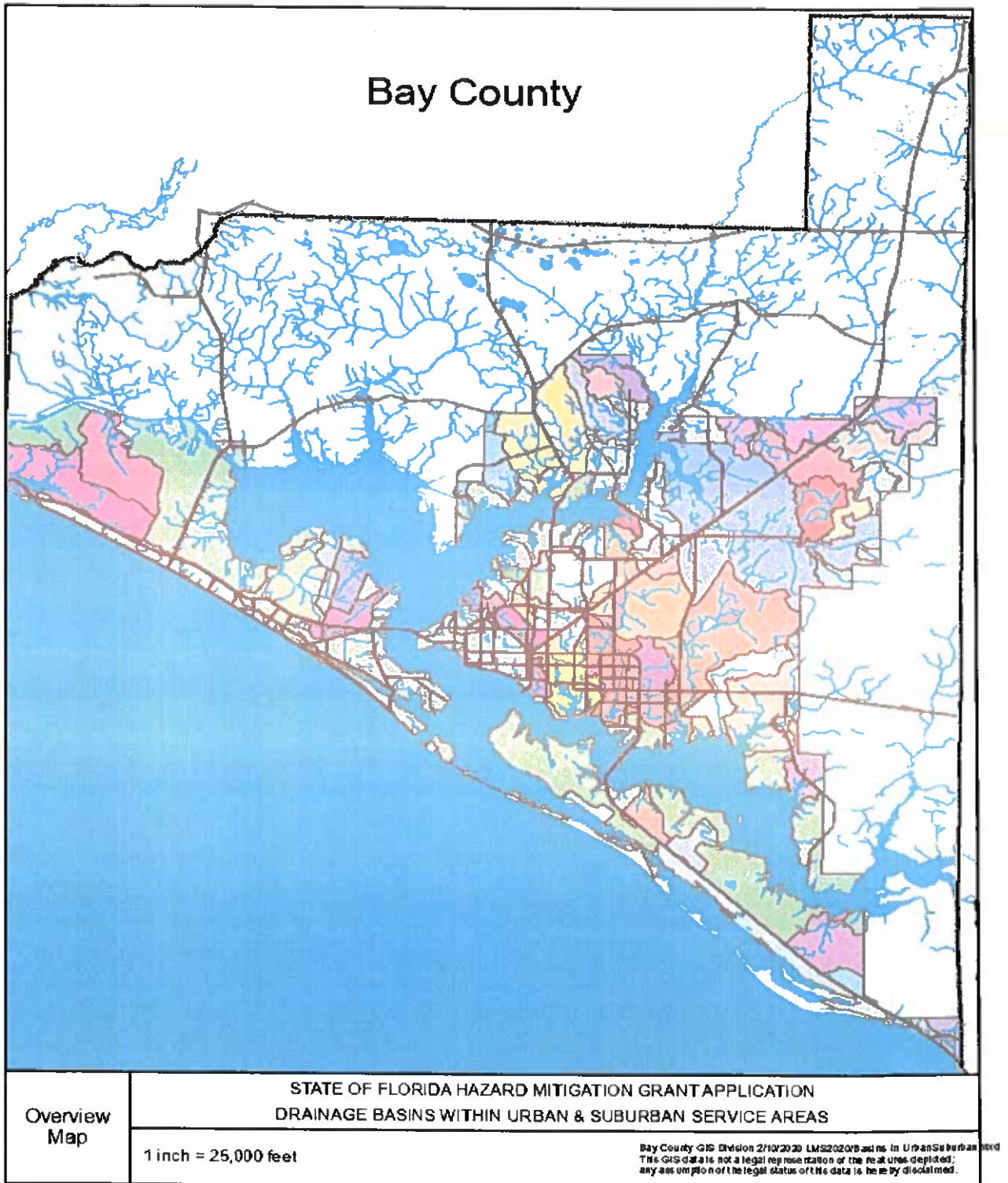
Storm water runoff problems are prioritized as follows:

- Environmental Problems
- Roadway Flooding
- Structural Flooding
- Yard Flooding

Due to the major vehicular traffic of over 180,000 residents and 17 million visitors annually, it takes a toll on the roadways throughout the County. The County's Road and Bridge Department is constantly working to maintain, repair and upgrade the roads throughout the County to ensure safe travel for all. Currently, the County has plans underway for joint projects with municipalities for the following projects to help alleviate traffic:

- 11th Street Realignment - (Joint Project between Bay County and City of Panama City)
- East Bay Parkway - (Joint Project between Bay County and Panama City Beach)

MAP 2. DRAINAGE FLOW PATTERNS



Environmentally Sensitive Areas & Conservation Lands

Bay County Conservancy (BCC) was formed in 1998 as a land trust dedicated to the preservation of environmentally sensitive lands in Northwest Florida in particular, Bay County. It initially started with title to 30 acres of wetlands in the middle of Panama City, Florida. (Bay County Conservancy)

The “*Audubon Nature Reserve*” is located off State Street in downtown Panama City. The Reserve includes Doctor’s Pond, which is encircled by cypress, Sweet Bay, and longleaf pine. During normal rain conditions, this area is home to wood ducks, wading birds, turtles, and other wetland species. The boardwalk and gazebo on the west side of State Avenue provide a short walk and a place for a picnic – or take the nature trail that begins at the gazebo.

“*Junipers Headwater Preserve*” is 40 acres of mixed upland and wetland on Silver Lake Road in unincorporated Bay County near the Fountain community. A short loop trail provides a peaceful setting for nature walks.

“*The Marjorie-Symone Preserve*” is an 11.5-acre parcel located on East Lakeland Drive off Highway 2311 east of Deerpoint Lake which consists of marsh grass and wildlife.

“*The Palm Reserve*” consists of 1/3 acre of property located on Beach Drive in downtown Panama City. With over 70 native palm trees on this little oasis of greenery, nestled between buildings and city streets, it is an important asset for storm water retention in the area. Native plants have been established as a wildlife garden and a picnic table and bench were installed for public use.

“*The Talkington Family Nature Reserve*” is a 10-acre site designed to provide habitat for the Panama City Crayfish and other wetland species. It is located just south of the intersection of 26th Street on Jenks Avenue in Lynn Haven.

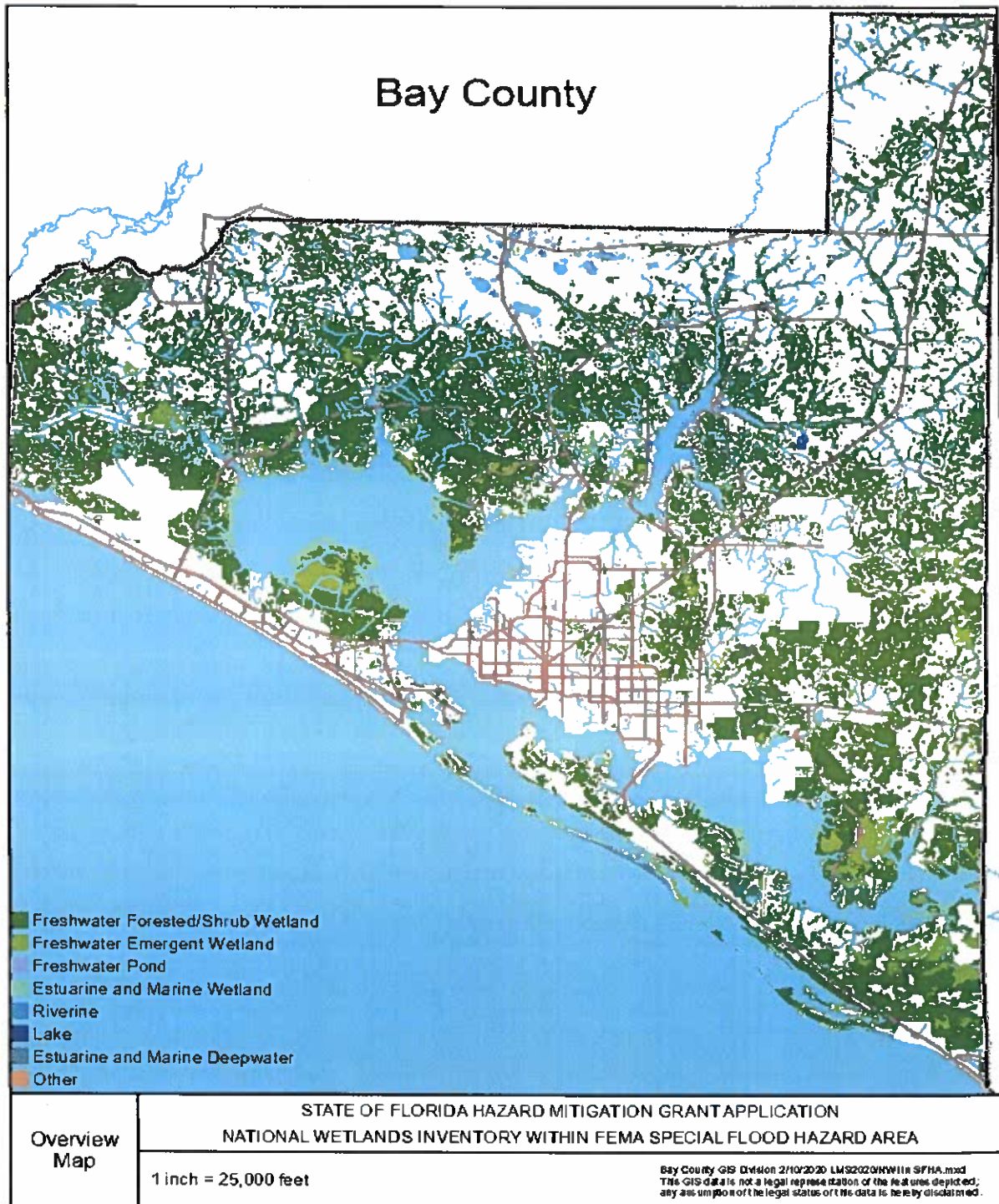
“*The Jennings Preserve*” is a 6-acre highly impacted city wetland preserve. It is a prime example of the usefulness of wetlands for storm water management. Vegetation absorbs and filters runoff, thus helping to protect St. Andrew Bay from pollutants. It is located between Highway 231 and 19th Street at Wilson Avenue.

The goal of Bay County Conservancy is to acquire land to preserve the present and future natural resources of the area due to the panhandle’s rapid growth rate and the constant pressure and threat of development of land and natural resources.

Preservation of such land areas provide many benefits to a community such as:

- wildlife habitat
- air cleansing
- storm water retention
- recreation and education
- aquifer recharge
- Green space for human renewal.

MAP 3. NATIONAL WETLAND INVENTORY & CONSERVATION LAND



Flood Zones

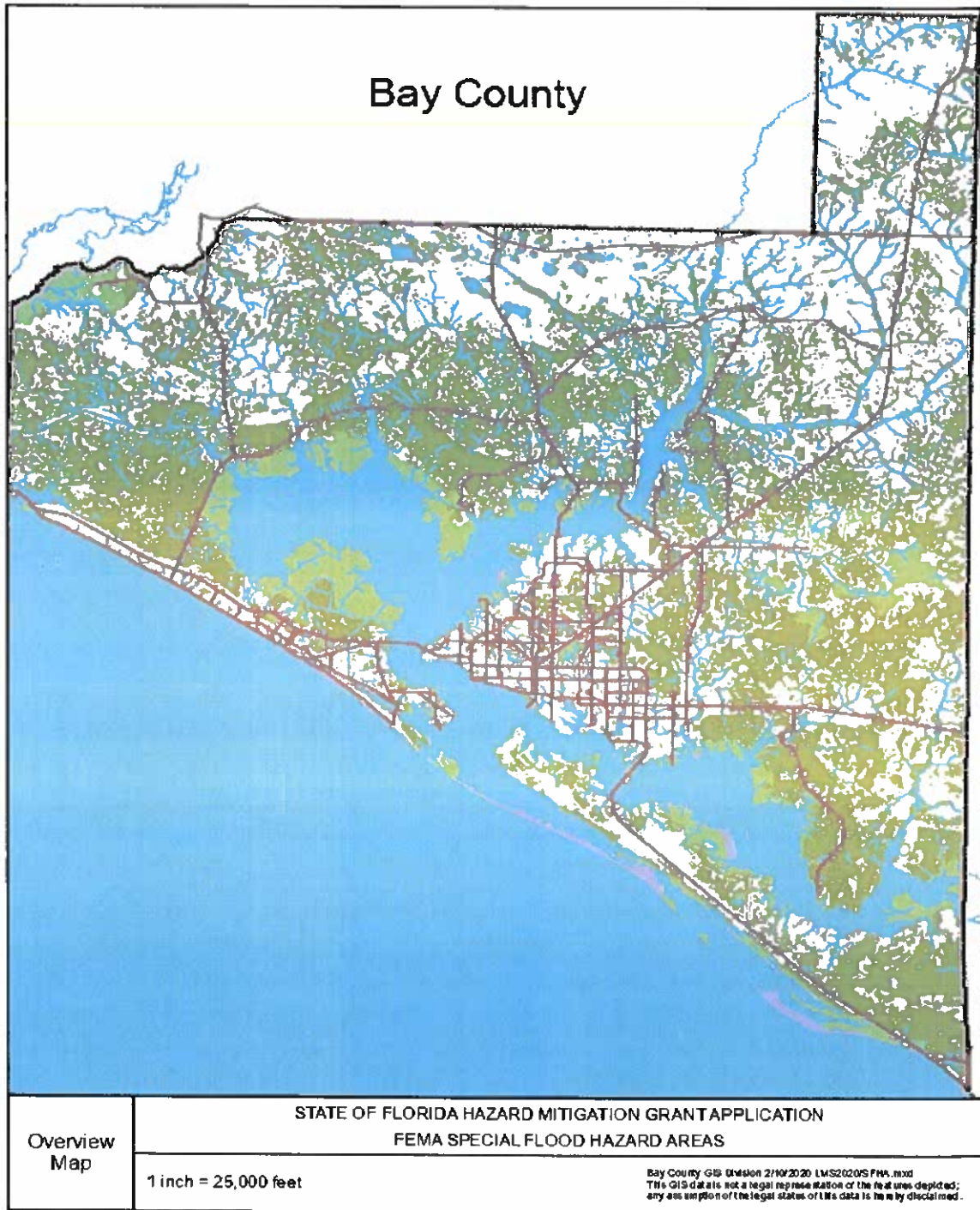
Flood hazard areas identified on the Flood Insurance Rate Map are identified as a Special Flood Hazard Area (SFHA). SFHA are defined as the area that will be inundated by the flood event having a 1-percent chance of being equaled or exceeded in any given year. The 1-percent annual chance flood is also referred to as the base flood or 100-year flood. SFHAs are labeled as Zone A, Zone AO, Zone AH, Zones A1-A30, Zone AE, Zone A99, Zone AR, Zone AR/AE, Zone AR/AO, Zone AR/A1-A30, Zone AR/A, Zone V, Zone VE, and Zones V1-V30. Moderate flood hazard areas, labeled Zone B or Zone X (shaded) are also shown on the FIRM, and are the areas between the limits of the base flood and the 0.2-percent-annual-chance (or 500-year) flood. The areas of minimal flood hazard, which are the areas outside the SFHA and higher than the elevation of the 0.2-percent-annual-chance flood, are labeled Zone C or Zone X (unshaded).

Bay County's Rating

In February of 2004, the Board of County Commissioners established the Bay County CRS Strategy Team to develop a course of action that would improve Bay County's rating. Implementation of a public awareness outreach program earned Bay County a class 7 rating, which provides for a 15% discount on flood insurance premiums. In 2008 Bay County increased their level of outreach programs and other activities and has improved their rating to a class 5. This increased Bay County residents' discount to 25%. In the last cycle evaluation conducted in 2016, Bay County retained a Class 5 rating. The next cycle evaluation is scheduled for 2020.

	Description
A	Zone "A" equates to a 1% annual chance of flooding and a 26% chance of flooding over the life of a 30-year mortgage. Because no detailed analysis exists within these areas, no depths or base flood elevations are shown within this zone. Flood insurance is required on federally insured mortgaged property. (100 Year Flood)
AE	The base floodplain where base flood elevations are provided.
AH	Areas with a 1% annual chance of shallow flooding, usually in the form of a pond, with an average depth ranging from 1 to 3 feet. These areas have a 26% chance of flooding over the life of a 30-year mortgage. Base flood elevations derived from detailed analyses are shown at selected intervals within these zones.
AO	River or stream hazard areas, and areas with a 1% or greater chance of shallow flooding each year, usually in the form of sheet flow, with an average depth ranging from 1 to 3 feet. These areas have a 26% chance of flooding over the life of a 30-year mortgage. Average flood depths derived from detailed analyses are shown within these zones.
VE	Coastal areas with a 1% or greater chance of flooding and an additional hazard associated with storm waves. These areas have a 26% chance of flooding over the life of a 30-year mortgage. Base flood elevations derived from detailed analyses are shown at selected intervals within these zones.

MAP 4. FEMA Flood Zones

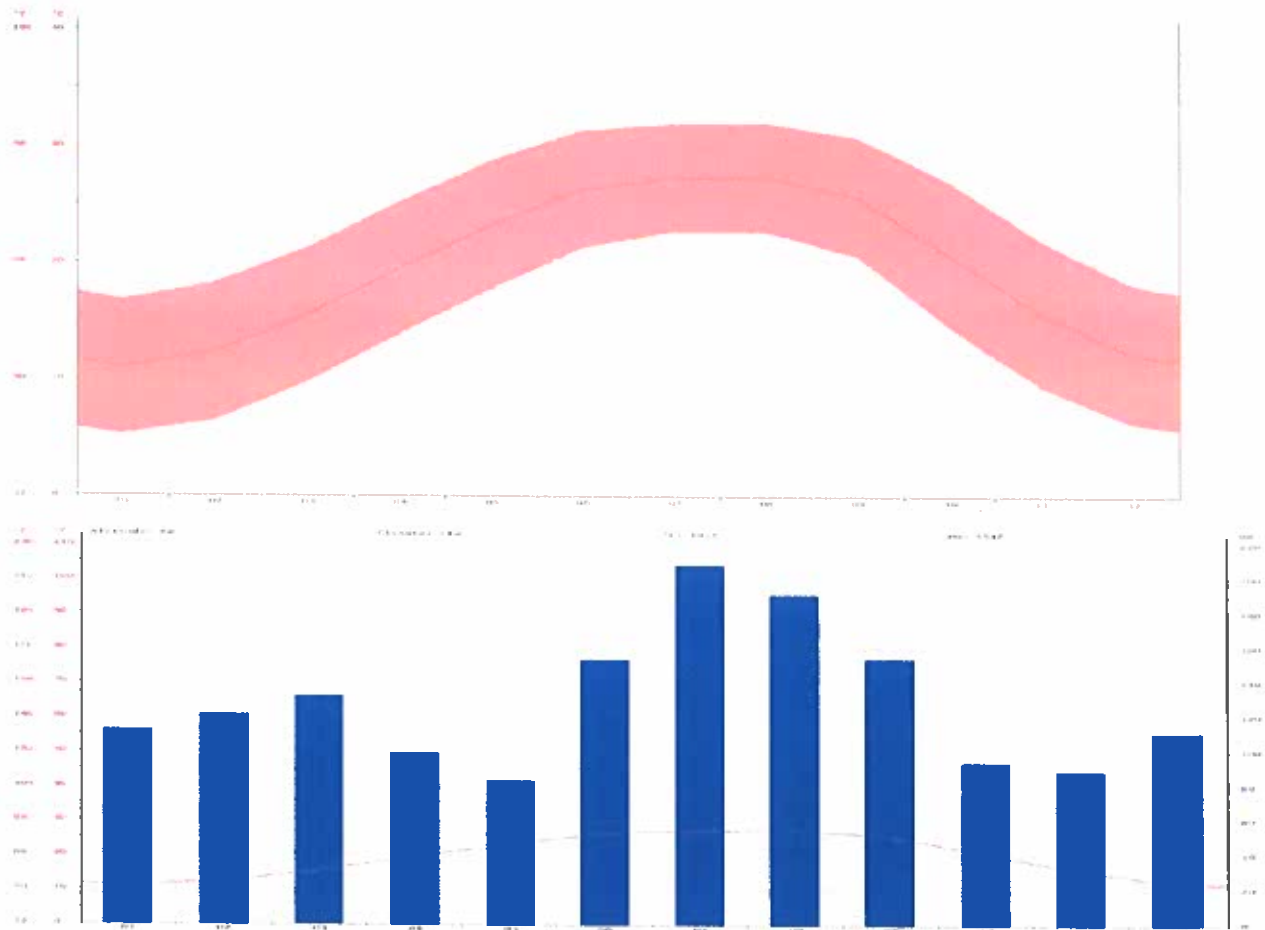


Climate

The average annual temperature of Bay County is 68.7 degrees Fahrenheit. Due to the large amount of inland bodies of water, the county experiences high relative humidity throughout the year.

Lying on the Gulf of Mexico causes daily sea breezes. These sea breeze enhance convective activity providing regular afternoon showers and thunderstorms. This occurs mainly in June through September. The dry season extends from October through December where the County is subject to frontal boundaries bringing cooler, dry air.

The average January temperature is 63 degrees F, and the average August temperature is 90 degrees F. The average annual rainfall is 61.06 inches.



DEMOGRAPHIC PROFILE

Total Population: The total population of Bay County, including the incorporated Cities is 185,287; an increase of 0.97% from 2010 (2018, Census).

Table 1. Total Population/Population Change (Source: Census, 2018 Estimates)

Total Population 2018	Total Population 2010	Population Change
185,287	168,852	0.097%

Population Density: Much of the population resides within Urban Growth Boundary, an area where urban scale development is concentrated and where public facilities, such as utilities, schools, transit, and other public facilities are provided.

Table 2. Jurisdictional Distribution of Population (Source: Census, 2018 Estimates)

Jurisdiction	Population 2010	Population 2018
Callaway	14336	15216
Lynn Haven	18474	21492
Mexico Beach	1072	1023
Panama City	34687	36908
Panama City Beach	11554	13065
Parker	4317	4584
Springfield	8902	9452

Table 3. Age Distribution (Percentage) of Population (Source: Census, 2018)

Age Cohort	Population 2010	Population 2018
0-19	25.1%	23.8%
20-44	33.4%	32.6%
45-49	8.1%	6.4%
50-54	7.3%	7.4%
55-59	6.5%	7.3%
60-64	5.4%	6.1%
65-69	4.5%	5.7%
70-79	6.3%	6.5%
80 +	3.2%	4%

Median Age 2018
39.6

Language Breakdown: Among people, at least five years old living in Bay County, 93.12 % speaks only English at home. 3.3% speak Spanish, other Indo-European 1.5%, Asian 1.6%, and other 0.5%

Race & Ethnicity:

Table 4. Race Distribution (Source: Census, 2018)

Race	Percentage 2018	Population 2018
White	147474	81.9%
Black	19740	11.0%
Asian	4196	2.3%
Other	1400	0.8%
Two or more	5864	3.3%
Hawaiian/ other	54	0.0%

Those Living in Poverty

According to the Florida Office of Economic and Demographic Research, 24,829 (13.4%) of the population lives below the poverty level. Those living in poverty are more likely to be living in vulnerable structures, such as mobile homes, as well as having increased difficulty in evacuating due to obstacles in obtaining means of transportation. This population is also more likely to require shelter provision.

Inmate Population – Bay County has one facility that houses prison inmates. Bay Correctional Facility is an adult male medium/minimum security facility. The average inmate population since 2013 for the Bay County Jail Facility evaluated by fiscal year is listed below:

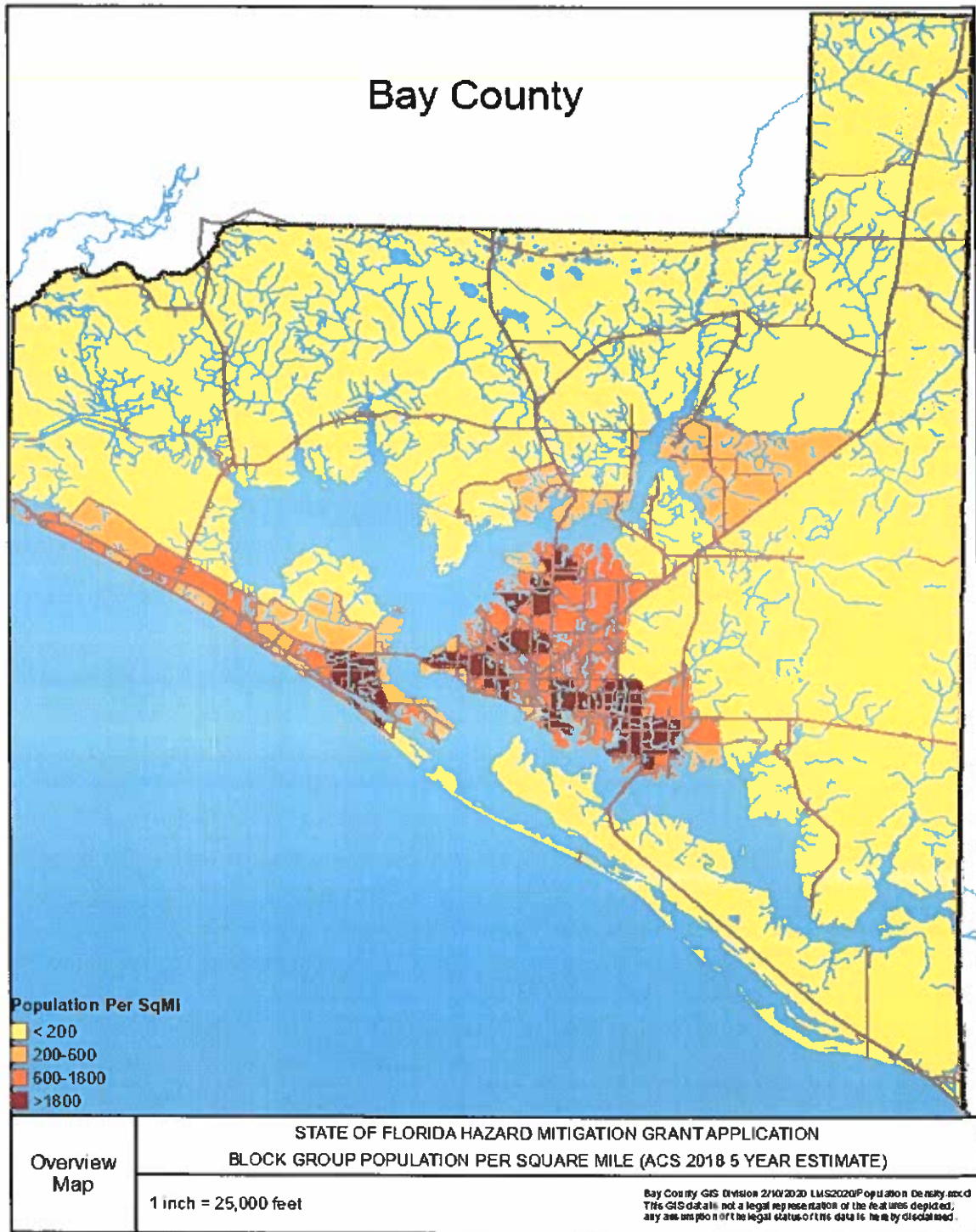
FY 2013-2014	877 inmates
FY 2014-2015	953 inmates
FY 2015-2016	1,038 inmates
FY 2016-2017	1,062 inmates
FY 2017-2018	1,114 inmates

Seasonal & Visitors Population - Bay County houses a seasonal and visitor population of approximately 17 million annually which equates to 1.4 million monthly. Patrons staying through the months of April through September average stays of 4-7 days; while patrons staying through the months of October – March average stays of 1-6 months. Bay County has many visitors that escape the harsh winter months of Canada and the northern United States and are considered “snowbirds” while they vacation for several months at a time during the winter in Bay County. Most of these individuals are over the age of 60 and are retired.

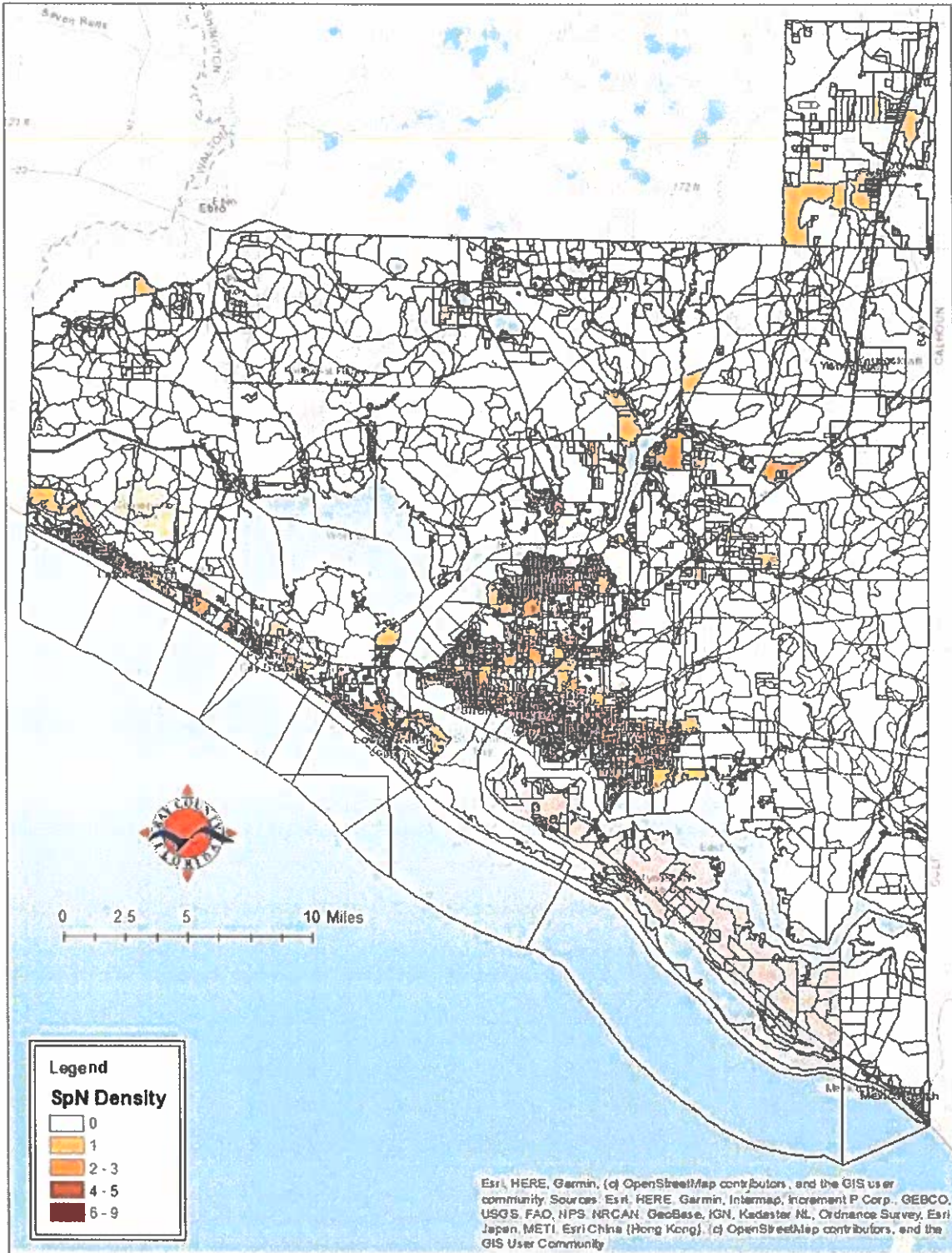
Special Needs Populations:

During periods of threatening conditions, Bay County provides special shelter accommodations for registered persons with special needs. Populations with special needs are identified as needing some assistance with the administration of medication, require oxygen or electricity for medical equipment, and suffer from emphysema, partial paralysis, heart problems, Parkinson's disease, dementia, or incontinence. As of October 2019, Bay County has a total of 328 registered persons with special needs.

MAP 5. POPULATION DENSITY MAP



MAP 6. SPECIAL NEED DENSITY MAP



ECONOMIC PROFILE

Bay County (including incorporated cities)

Income per Capita: \$26,742

Median Household Income: \$50,283 (July 2017)

Table 5. Residential Properties (10/19 BCPA)

Single Family	56,349 parcels
Vacant Single Family	21,130 parcels
Mobile/Mod/Manufac.	8,634 parcels
Condominium	18,928 parcels
Time share	323 parcels
Multi-Family >10du:	128 parcels
Multi-Family <10 du:	1,916 parcels

Retirement home	1 parcel
Improved commercial	3,352 parcels
Vacant commercial	2,379 parcels
Improved industrial	725 parcels
Vacant industrial	91 parcels
Improved timber/Agr	1,646 parcels
Church/hospital/lodge	614 parcels
Government	1,260 parcels
Vacant government	1,172 parcels

Table 6. Housing Characteristics: (US Census, 2017)

Total housing units	101,437 units
Occupied housing units	68,667 units
Owner occupied	42,881 units
Renter occupied	25,786 units
Vacant housing units	32,770 units

Average Property Values: According to the Property Appraiser's office, the average market or appraised (just) value of single-family homes in Bay County is \$165,425; the average assessed value, before exemptions is \$158,709. The average market of appraised (just) value of improved commercial properties in Bay is \$729,839, assessed \$725,653.

Employment Sectors: Among the most common occupations within the major industries in Bay County are trade, transportation and office & Administrative support (28.96%), professional and business services occupations (14.16%), leisure and hospitality occupations (8.98%), financial occupations (11%), education and health service occupations (8.61%), and construction occupations (5.44%).

Major Employers: Bay County's central location positions well for manufacturing, distribution, and corporate headquarters operations. A listing of Bay County's major employers is provided below.

Table 7. MAJOR EMPLOYERS

Company Name	Employment Type	No. of Employees
Tyndall Air Force Base	Military	6416
Naval Support Activity – Panama City	Military	3300
Bay District Schools	Government	3000
General Dynamic Information	Healthcare	2,300
Ascension Sacred Heart Hospital Bay	Medical	1,800
Wal-Mart and Sam's Club	Retail	1,500
Eastern Shipbuilding	Manufacturing	1000+
Trane	Air Conditioning	700
Ingersoll Rand/Trane	Air Conditioning	700
Gulf Coast Medical Center	Medical	631
Bay County Board of Commissioners	Government	608
Berg Steel Pipe Corporation	Manufacturing	405
Gulf Coast State College	Education	400
City of Panama City	Government	537
West Rock	Manufacturing	480
Sheraton Point Resort	Resort	250-500
Royal American Management	Construction	375
Sprint	Customer Care	365
Publix Super Markets	Grocery Store	355
Resort Collection of Panama City Beach	Resort	320
Target	Retail	300
US Post Office	Postal Service	300
Winn Dixie	Grocery Store	300
Life Management Center of NW Florida	Health Care	270
City of Panama City Beach	Government	262
BookIt.com	Travel	250
Health South Emerald Coast Rehabilitation	Health Care	235
Tyndall Federal Credit Union	Credit Union	200
Merrick Industries	Manufacturing	185
News Herald	Newspaper	184
Applied Research Associates	Research/Engineering	174
L-3 Communications	Communications Systems	165
Early Education and Care Inc.	Education	162
City of Lynn Haven	Government	156
Jensen USA	Manufacturing	150
Buffalo Rock/Pepsi	Bottling/Distribution	140
Gulf Power Company	Power Company	140
Comcast	Telecommunications/Media	133
Hancock Bank	Banking	130
Kohl's Department Store	Retail	130
Best Buy	Retail	125
Booz, Allen, Hamilton Engineering Services, LLC	Engineering	125
Chemical Addictions Recovery Effort	Health Care	117
Eye Center of North Florida	Manufacturing	110
GAC Contractors	Construction	105
Anchorage Family Counseling	Family Services	100

TRANSPORTATION PROFILE

Public Transit

Bay County Public Transit System is the County's main public transportation system, which includes the Bay Town Trolley and the Bay Area Transportation System. It serves the residents of Bay County along with the municipalities of Panama City, Panama City Beach, Lynn Haven, Callaway, Springfield, and Parker.

Bay Town Trolley provides a fixed route system with 10 buses daily for a total of 8 routes averaging 2,000 trips per day: totaling approximately 730,000 trips annually.

Bay Area Transportation (BAT), is a demand response system that picks riders up at an address or defined location and transports them to a specific address or location. This system requires riders to complete an application and be qualified prior to riding. The system typically is referred to as non-emergency transport and serves as curb-to-curb, shared ride service for transportation for the elderly, disabled and those considered transportation disadvantaged who do not have access to transportation to medical appointments, work, school, shopping, and many adult day facilities. Riders are required to make reservations at least 24 hours prior to the trip. Fifteen buses operated daily with an average of 300 trips per day: totaling approximately 109,500 trips annually.

The Bay County Transportation Planning Organization is responsible for the fixed route system and the Bay County Board of County Commissioners is responsible for the demand response system. Bay County Board of County Commissioners is the Community Transportation Coordinator (CTC) for Bay County, Florida.

Public and Private Air

A complete list of airfields and landing areas in Bay County is provided below.

TABLE 8. MAJOR AIRFIELDS/HELIPORTS

Name	Location	Facility Usage
Northwest Florida Beaches Intl. Airport	Panama City	Commercial Air
Bay Helicopters Heliport	Panama City	Private Facility
Ascension Sacred Heart Hospital Bay	Panama City	Private Medical
Bay Seaplanes Seaplane Base	Panama City	Private Facility
Coastal Helicopters Inc. Heliport	Panama City	Private Facility
Coastal Systems Station Heliport	Panama City Beach	U.S. Military
Grand Lagoon Seaplane Base	Panama City Beach	Private Facility
Gulf Coast Medical Center	Panama City	Private Medical
Heli-Tech Inc. Heliport	Panama City	Private Facility
Post Electric Inc. Heliport	Panama City	Private Facility
Sandy Creek Airpark Airport	Panama City	Private Facility
Tyndall Air Force Base	Panama City	U.S. Military
Beach Mosquito Control Heliport	Panama City Beach	Local Government
Panhandle Helicopter LLC Heliport	Panama City	Private Facility
Yellow Whirley Bird Heliport	Panama City Beach	Private Facility
West Bay Creek Seaplane Base	Panama City Beach	Private Facility
Shands Cair	Panama City	Private Medical

LMS PLANNING PROCESS

The planning process used by Bay County is very flexible in meeting the analysis and documentation needs of the planning participants. It allows the planning participants to include data and information unique to their communities and planning capabilities into the Local Mitigation Strategy Plan. The process assists the Working Group by utilizing a full range of information in technical analysis and the formulation of proposed mitigation initiatives for incorporation into the Local Mitigation Strategy Plan.

This section of the Local Mitigation Strategy Plan discusses the organizational structure used to complete the planning process. It also provides a summary of the current status of planning activities by the participants, documenting the level of participation by the jurisdictions making up the Working Group. The Working Group's bylaws and operating procedures, located in Appendix C, further define how participation in the planning process is determined.

PLANNING PROCESS OVERVIEW

Planning efforts are conducted by a variety of methods in addition to the formal committee meetings documented, e.g., through phone contacts and electronic mail contacts among jurisdiction representatives, support staff, and the LMS Working Group chair and vice-chair. All jurisdictions have provided planning data for Local Mitigation Strategy Plan and are considered to have participated in plan development. Efforts will continue to be made by the County to re-engage any organization that has not been active participants during the planning process. An ongoing goal of the Working Group is to ensure that the number of participating organizations and groups continues to grow.

The effort begins with developing a community profile of Bay County to document the basic characteristics of the community relevant to controlling the impacts of events. LMS Working Group Members are asked to submit mitigation initiatives that may be implemented if resources to do so became available.

Once the proposed initiatives are reviewed and coordinated, the Working Group can then decide to formally approve them by vote in order to incorporate them into the Bay County Local Hazard Mitigation Plan as part of the Local Mitigation Strategy (LMS). As soon as the Working Group approves a proposed mitigation initiative, it is considered to be officially a part of the Bay County Local Mitigation Strategy Plan, and expected to be implemented by the sponsoring organization as soon as the resources and/or opportunity to do so become available.

LOCAL MITIGATION STRATEGY WORKING GROUP

As a prerequisite for participating in the Hazard Mitigation Grant Program (HMGP), Bay County has established a formal Local Mitigation Strategy Working Group. Every January, the Chairperson of the Board of County Commissioners will submit a list of the members and the designated chairperson and vice-chairperson to the Florida Division of Emergency Management.

The purpose of the Working Group is to decrease the vulnerability of the citizens, governments, businesses and institutions of Bay County, Florida, to the future human, economic and environmental costs of disasters. The Working Group develops, monitors, and maintains a local strategy for hazard mitigation and post-disaster redevelopment. Participation in the planning process requires a consistent and active membership within the Working Group.

In accordance with 27P-22, Florida Administrative Code, the Working Group must include at a minimum:

- Representation from Planning and Zoning, Public Works, Emergency Management, Water Management Districts.
- Representation from all Interested Municipalities within the county.
- Representation from interested Independent Special Districts, Non-Profit Organizations, Native American Tribes or Authorized Tribal Organizations; and
- The Public

The Working Group meets in a duly noticed public meeting. Notice is provided in compliance with the State of Florida "Sunshine Law". Meeting times and dates are subject to the approval of the Working Group Chairperson.

Role of the LMS Working Group

The role of the Working Group as defined by Article 27P-22 of the Florida Administrative Code states that it is the responsibility of the Working Group to maintain the Local Mitigation Strategy Plan. Specifically, the Working Group is responsible for the development and revision of the Local Mitigation Plan, coordination of all mitigation activities, setting and order of priority for local mitigation projects, and to submit an annual update to the Florida Division of Emergency Management by the last working day of each January. Annual updates shall include, at a minimum, any revisions to the following:

- Changes to the hazard assessment.
- Changes to the project priority list.
- Changes to the critical facilities list.
- Changes to the repetitive loss property list; and
- Revisions to any maps.

LMS Working Group Participating Entities

Participation in the Working Group is voluntary by all participating entities. Membership is open to all jurisdictions, organizations and individuals supporting its purposes. Bay County does not have an established jurisdictional body of Native Americans within its jurisdiction. No representation on the Working Group is required. The agencies and organizations currently represented in the planning process are listed in the table below entitled "Bay County LMS Working Group Membership".

Table 9. Participating Entities of the LMS Working Group

<i>Entity</i>	<i>Contributing Department</i>
Public Representation	Citizen
Panhandle Engineering	Engineering Group
Gortemoller Engineering	Engineering Group
Bay County	Emergency Management Division
Bay County	Fire Department
Bay County	Public Works and Engineering Department
Bay County	Sheriff's Office
City of Callaway	City Manager
City of Callaway	Public Works Department
City of Lynn Haven	Fire Department
City of Lynn Haven	Public Works Department
City of Lynn Haven	Utilities Division
City of Mexico Beach	Administration Department
City of Mexico Beach	Public Works Department
City of Panama City	Engineering Department
City of Panama City	Fire Department
City of Panama City Beach	Administration Department
City of Panama City Beach	Fire Department
City of Panama City Beach	CRS Coordinator
City of Parker	Fire Department
City of Parker	Police Department
City of Springfield	Administration Department
City of Springfield	Public Works Department
Tyndall Air Force Base	Planning Inspection Department
Naval Support Activity Center	Emergency Management
Bay School District	Facilities Management
Bay School District	Energy and Conservation Management Div.
Team Rubicon	City Coordinator
American Red Cross	Disaster Services
Rebuild Bay County Inc.	Community Outreach
UF/IFAS Extension Bay County	Grants Division
Panama City Housing Authority	Administration
Gulf Coast State College	Administration & Facility Manager
NW Florida Beach Airport	Fire Department
Port of Panama City	Port Authority
NW Florida Water Management	Planning Division
Florida Division of Forestry	Administration Division

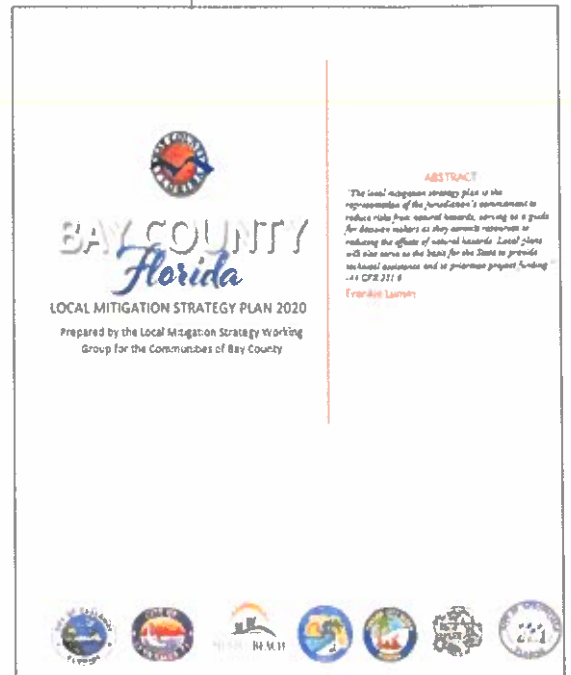
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PLAN ADOPTION & MAINTENANCE

The Bay County Board of County Commissioners and all incorporated jurisdictions included in this multi-jurisdictional plan formally adopt the Local Mitigation Plan by resolution. Projects on the proposed project list are executed based on priority and fund availability. Projects are prioritized based on the criteria established by the Working Group as presented in the Local Mitigation Plan.

PLAN INTEGRATION

The Plan has been created to integrate seamlessly with other plans at the County and local level. In particular, the Threat Hazard Identification and Risk Assessment and the Community Profile have been created to work cohesively into existing and future plans that are created by any of the partner communities. Incorporated jurisdictions within the County may choose to adopt and annex the Local Mitigation Plan's information in the manner that best suits them.



Community Profile

The Community Profile (Section I) provides a cohesive and comprehensive data set for the updating of demographics information within local community plans. The information can be used in planning for the cities of Callaway, Lynn Haven, Mexico Beach, Panama City, Panama City Beach, Parker, and Springfield as well as in the Bay County Comprehensive Emergency Management Plan (CEMP). As the data is updated in future Census runs, it can be integrated directly into the current formatting in the Local Mitigation Plan.

The Community Profile data is available to multiple agencies within the county including, local jurisdictions, utility providers, water management districts, the school district, nongovernmental organizations, and most importantly the public. This data provides a stable and comprehensive structure ensuring that consistent data exists across multiple plans, therefore reducing duplication of effort and conflict of information.

Threat Hazard Identification and Risk Assessment

The Threat Hazard Identification and Risk Assessment, much like the Community Profile, contribute to a number of planning resources by updating the risk information. Private sector businesses, such as hotels, request hazard information from time to time for their planning efforts. The Local Mitigation Plan provides valuable information for the Comprehensive Plans and Land Development Codes. Additional planning tools, such as future land use maps, conceptual development plans, and other proactive planning and development tools may also be affected by hazard locations.

Example plans include:

- Each jurisdictions Comprehensive Emergency Management Plan
- Supplemental Flood Action and Response Plans
- Risk Services plans
- Future Land Use Plans
- Hazard Response Plans
- Evacuation Plans
- School Plans

PLAN ADOPTION

The Bay County Board of County Commissioners will adopt the Local Mitigation Strategy Plan following approval by the Florida Division of Emergency Management (FDEM) and the Federal Emergency Management Agency (FEMA). The seven incorporated jurisdictions participating in the Plan will adopt the plan as well. Other participating agencies may adopt the plan as scheduling allows. The dates of adoption are summarized in the table below. A copy of each resolution may be found in Appendix H.

Table 10. Plan Adoption

<i>Jurisdiction</i>	<i>Date of Adoption</i>	<i>Resolution No.</i>
Callaway		
Lynn Haven		
Mexico Beach		
Panama City		
Panama City Beach		
Parker		
Springfield		

PLAN MONITORING, MAINTENANCE & UPDATES

Plan Maintenance, Maintenance and Updates is the process by which the Working Group continues to update and improve the mitigation planning process. It also includes the technical analysis needed for the process to propose more mitigation initiatives for incorporation into the plan. The LMSWG Chairman is in charge of tracking the LMS Plan maintenance to ensure the fluidity and accuracy annually in conjunction with the entire LMS Working Group. The group's activities will continue to monitor implementation of the plan, evaluate the effectiveness of implemented mitigation initiatives, and to strive continually to engage the community in the planning process. At each annual evaluation of the plan maintenance, the LMSWG will also advise the Executive Policy Group of Bay County to ensure that all effective decision makers are aware of new and potential grant funds available for future mitigation projects to enhance and rebuild the municipalities within Bay County.

Mitigation planning is a dynamic process and must be continually adjusted for changes in the community and to refine the information, judgments and proposals documented in the local mitigation plan. The process used by the Working Group to maintain the plan consists primarily of four functions:

- Continue to improve the mitigation plan by accomplishing additional technical analyses such as vulnerability assessments, evaluation of the policy framework of the participating jurisdictions, and post-event analysis of disasters, etc.

NFIP PARTICIPATION

INTRODUCTION

The National Flood Insurance Program (NFIP) was created by the Congress of the United States in 1968 through the National Flood Insurance Act of 1968 (P.L. 90-448). It enables property owners in participating communities to purchase insurance protection from the government against losses from flooding. Flood insurance is designed to provide an alternative to disaster assistance in meeting the escalating costs of repairing damage to buildings and their contents caused by floods.

Participation in the NFIP is based on an agreement between local communities and the federal government. The agreement states that if a community will adopt and enforce a floodplain management ordinance aimed at reducing future flood risks to new construction in a Special Flood Hazard Areas (SFHA), the federal government will support flood insurance availability within the community as a financial protection against flood losses.

BAY COUNTY FLOODPLAIN MANAGEMENT PLAN

The purpose of the Local Mitigation Plan is to develop a unified approach for dealing with identified hazards, including flooding. The Local Mitigation Plan serves as a tool to direct the County in its ongoing efforts to reduce vulnerability to the impacts produced by both natural and man-made hazards. The Plan also helps establish funding priorities for currently proposed mitigation projects. With these goals and purposes in mind, the LMS Plan also serves as the Bay County Floodplain Management Plan for purposes of the Community Rating System (CRS).

JURISDICTIONAL PARTICIPATION

Bay County, Florida

Bay County joined the NFIP in 1981, with its first NFIP map in January of that year and its first FIRM in July of 1981. The NFIP is locally administered by the Bay County Community Development Department. The latest report shows 14,402 policies with 497 claims of damage totaling \$26,512,144.91. The County has 204 repetitive loss properties, each of which is residential property. The current effective map for Bay County is dated June 2, 2009.

Chapter 24 of the County Land Development Code establishes minimum standards for the NFIP Flood Damage Prevention, and Storm Water Management (attached herein as Appendix J). Bay County is participating in the CRS rating program and is currently rated at a 5, with a 25% savings totaling \$2,411,508 community wide. The last CRS Cycle Evaluation occurred in 2016.

Bay County's efforts for continued NFIP compliance include:

- Informing repetitive loss property owners including, surrounding properties, of mitigation opportunities
- Extensive NFIP plan integration to the County Comprehensive Plan, Future Land Use Map, and Zoning Regulations
- Compensating Storage
- Provide flood information at both the Bay County Hurricane Expo and municipal partners hurricane expos.
- Maintaining a map of areas that flood frequently and prioritizing those areas for inspection immediately after the next flood or heavy rains.
- Obtaining FEMA's Substantial Damage Estimator and being prepared to use it when damage occurs.
- Maintaining supplies of FEMA/NFIP materials to help homeowners evaluate measures to reduce damage.
- Evaluating higher standards that are proven to reduce flood damage.
 - a. Anchoring of new development and manufactured homes
 - b. The use of flood resistant materials in new construction and substantial improvements
 - c. New construction and substantial improvements shall be constructed by methods and practices that minimize flood damage
 - d. Electrical, heating, ventilation, plumbing, air conditioning equipment, and other service facilities shall be designed and or located to prevent water from entering or accumulating within the components during conditions of flooding
 - e. Any new principal building shall be served by public water and sewer lines and no existing on-site systems shall be replaced except by public system connections.
 1. Regulation of residential, nonresidential, and elevated buildings to meet specific standards above the NFIP outlined in LDC Chapter 14
 2. The prohibition of new development within a designated floodway
 3. Maintaining supplies of FEMA/NFIP materials to help homeowners evaluate measures to reduce damage

Municipalities Participation in the National Flood Insurance Program

Every municipality in Bay County participates in the National Flood Insurance Program and intends to continue with all regulations of that program (including any higher standards set by the City) through the enforcement of its flood damage prevention ordinance, building department/floodplain manager review of permitted development practices, floodplain monitoring activities, education of local staff and participation of Community Rating System. The Cities will coordinate with the State of Florida Floodplain Management Office on issues requiring technical assistance and during Community Assistance visits or other compliance monitoring events.

The following is a list of the municipalities and the date of enlistment into the NFIP program:

- City of Callaway – July 1980
- City of Lynn Haven – June 1977
- City of Mexico Beach – July 1977
- City of Panama City – July 1977
- City of Panama City Beach – June 1977
- City of Parker – August 1980
- City of Springfield – August 1981

CRS Participation

Five of the seven municipalities participate in the Community Rating System. Mexico Beach and Springfield currently do not participate but are in looking into an application to become a part of the CRS program.

Bay County, Callaway, Lynn Haven, Panama City, Panama City Beach and Parker currently participate in the Community Rating System Program. They continue to actively engage the public through outreach programs such as:

- Social media through websites and Facebook pages
- Regular newsletters and newspaper articles
- Sending letters and documentation to property owners, lenders, insurance, and real estate offices
- Sending letters with flood risk and insurance information to citizens located in repetitive loss areas
- Meet with property owners and developers to discuss policies and regulations for floodplain protection
- Maintain elevation certificates and D-Firms for public review.

As of March 2019, the CRS Class Ratings of the following municipalities are as follows:

- Bay County – CRS Class Rating 5
- Callaway – CRS Class Rating 7
- Lynn Haven – CRS Class Rating 8
- Panama City – CRS Class Rating 6
- Panama City Beach – CRS Class Rating 8
- Parker – CRS Class Rating 8

Multi-Jurisdictional Program for Public Information

Bay County, and its seven municipalities have joined efforts to produce a unified Multi-Jurisdictional Program for Public Information (MJ-PPI), as a subcommittee to the Working Group. The MJ-PPI subcommittee was formed on March 12, 2019. The MJ-PPI is a collection of public/private participants whose primary goal is to identify targeted outreach activities/messages that follow major topics approved by the NFIP. These topics are targeted to increase awareness of the dangers of floods, as well as reducing the human and economic impact of flooding on communities participating in the NFIP's Community Rating System program. The MJ-PPI will develop a unified program for coordinating messages and projects for a cost effective and consistent method for flood hazard outreach across all jurisdictions.

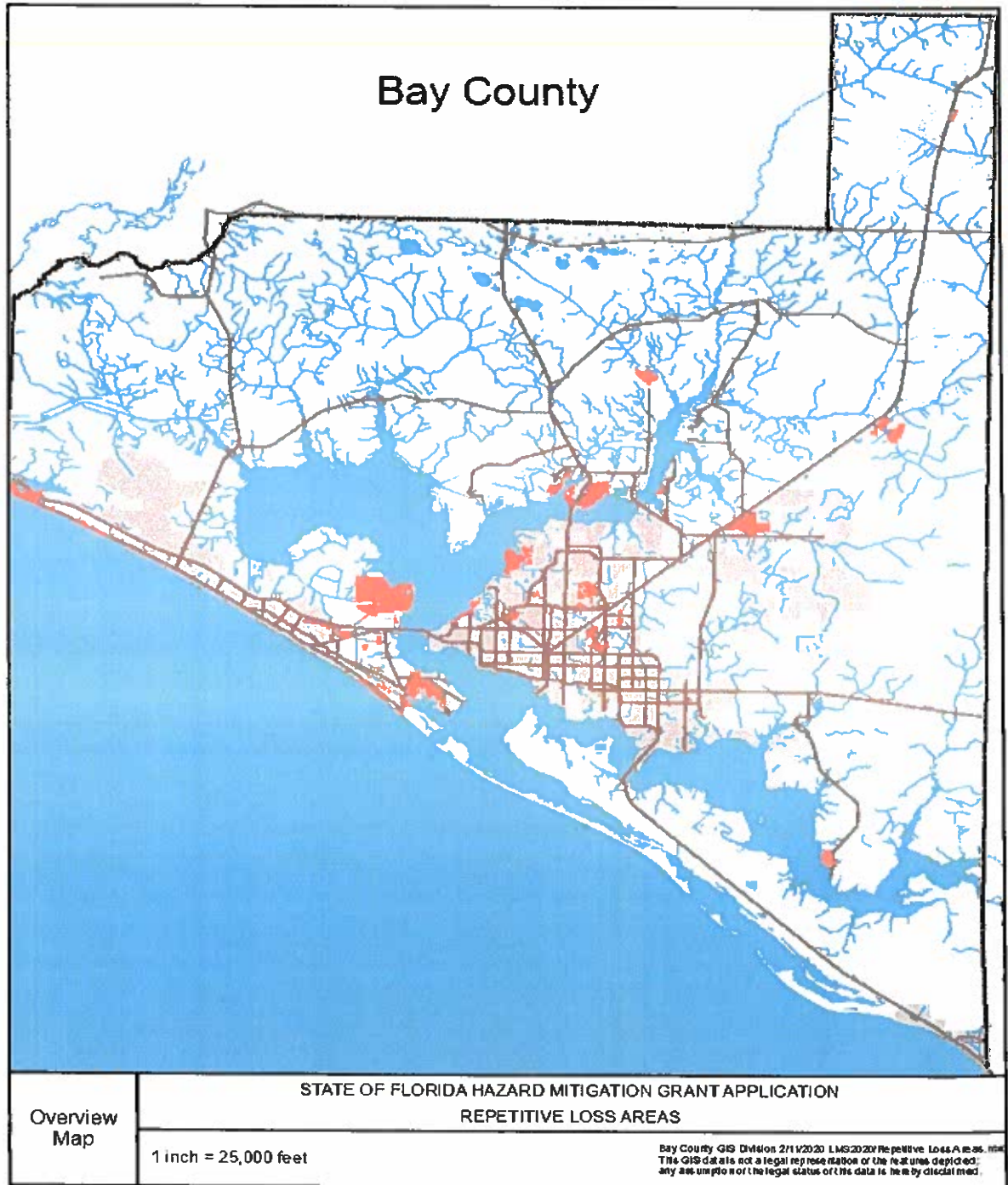
REPETITIVE LOSS PROPERTIES

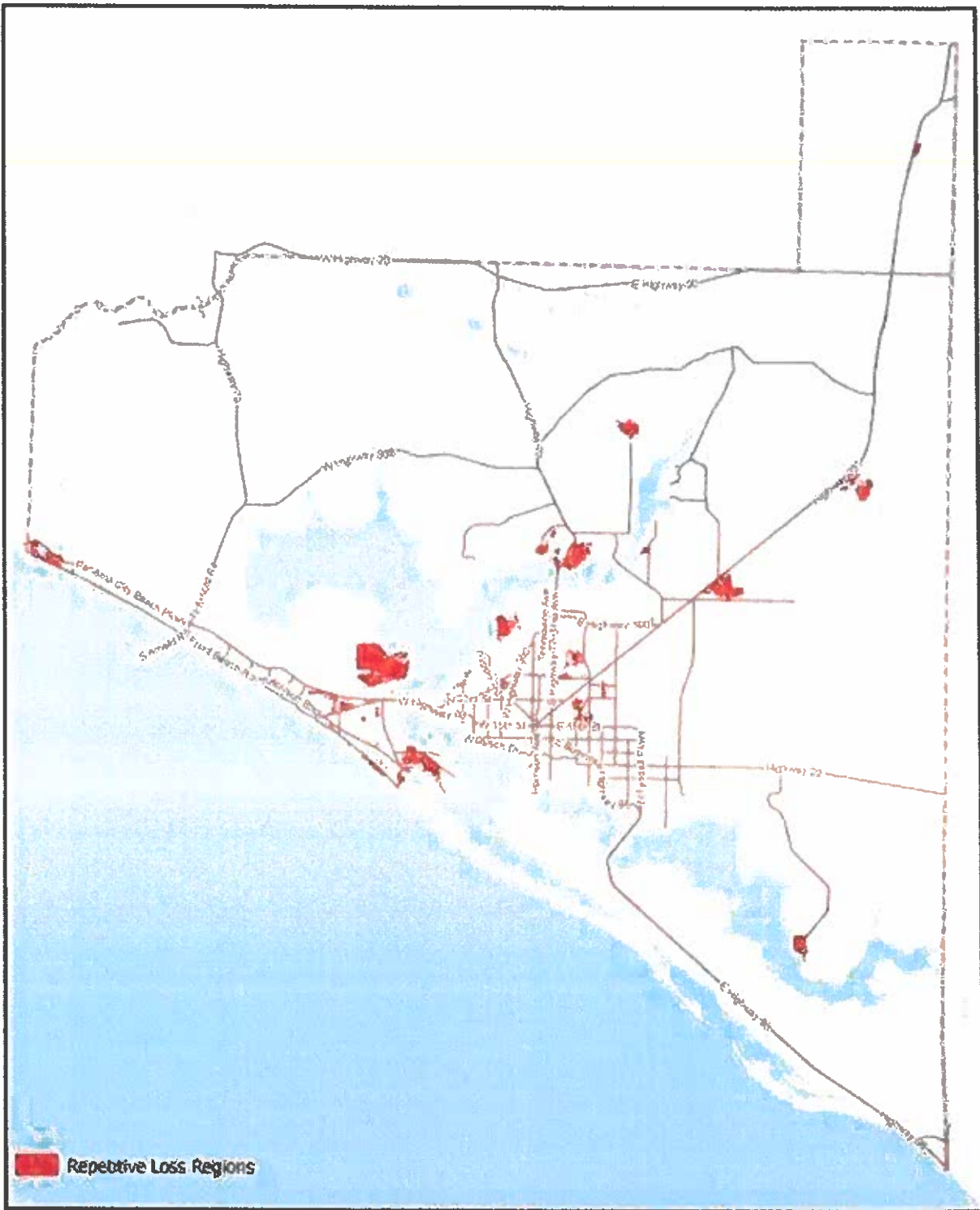
Repetitive loss properties are another means in identifying flood hazards. The FEMA NFIP defines repetitive loss properties as those with policies having two or more flood insurance claims of \$1,000 or more within a 10-year period. Current records show there are 204 such properties in Bay County. In each case of loss, the property is residential property. Repetitive loss properties are identified only if the owner has NFIP coverage.

Privacy laws prevent publishing repetitive loss properties addresses. The following map shows the general location of repetitive loss properties.

Jurisdiction	Residential	Commercial
Panama City	28	3
Panama City Beach	116	6
Lynn Haven	26	0
Unincorporated Bay County	25	0
Callaway	0	0
Mexico Beach	0	0
Parker	0	0
Springfield	0	0

MAP 7. REPETITIVE LOSS PROPERTY MAP





**BAY COUNTY LOCAL MITIGATION STRATEGY
 REPETITIVE LOSS REGIONS**

1 inch = 27,000 feet

Bay County GIS Division 2020-04-05 LMR2018 Repetitive Loss Areas
 This GIS data is not a legal representation of the territory depicted

Bay County Mitigation Initiatives List

Priority	Org	Agency	Bore	Priority	OW Project?	Project Name	Project Description	Potential Funding Sources	Estimated Cost	Federal Share Amount	Local Match	Responsible Institution or Agency	Single Point of Contact	Application Status
1	BC	PHB	Y	Y		Bay County Backwash Pond Control and Drainage Improvements	The project will provide for the design, permitting and construction of approximately 12 miles of County wide flood control, detention basins, and backwash ponds to reduce flooding and prevent property damage and loss of life. The project will improve public safety and increase access to the bay for both the business and recreational users throughout the County by providing water quality and critical facilities, structures and land areas and provide for safe access, connectivity and protection from hazards and threat. The project will be designed to provide protection against 25 to 100 year flood event.	HMGF, Bay County Surplus Funds	\$1,014,138	\$1,014,138	\$112,585.95	Bay County	Scott C. Williams, Engineering Director	Project Manager to Michelle Brown complete set to DEM Tech Unit 6/18/20
2	BC-OW	UTL	Y	X		Bay County CW Wastewater Shortage System Hardening	This project entails installing improvements to the County wastewater system which will improve system functionality, reliability, and performance as well as improve the County's readiness and response to disaster scenarios. Examples include installation of isolation valves, installation of new pipelines for system looping and increasing pipe sizes.	FEMA, HMGF, HUD, CDCR, DR, FEMA PA	\$1,250,000	\$1,112,500	\$147,500	Bay County Utility Services	Benjamin Blitch, Utility Services Director	Project Manager to Owen Dinkens RFP #20-211. Review complete set to DEM Tech Unit 6/18/20 RFP 1 Complete
3	BC-OW	UTL	Y	X		Bay County CW Wastewater Shortage System Hardening	This project entails installing improvements to the County wastewater system which will improve system functionality, reliability, and performance as well as improve the County's readiness and response to disaster scenarios. Examples include installation of isolation valves, installation of new pipelines for system looping and increasing pipe sizes.	FEMA, HMGF, HUD, CDCR, DR, FEMA PA	\$3,400,000	\$2,550,000	\$850,000	Bay County Utility Services	Benjamin Blitch, Utility Services Director	Project Manager to Michelle Brown complete set to DEM Tech Unit 6/18/20 RFP 1 Complete
4	BC-OW	UTL	Y	X		Bay County CW Wastewater Shortage System Hardening	This project entails installing improvements to the County wastewater system which will improve system functionality, reliability, and performance as well as improve the County's readiness and response to disaster scenarios. Examples include installation of isolation valves, installation of new pipelines for system looping and increasing pipe sizes.	HMGF, FEMA, HMGF, HUD, CDCR, DR, FEMA PA	\$2,900,000	\$2,275,000	\$625,000	Bay County Utility Services	Benjamin Blitch, Utility Services Director	Project Manager to Michelle Brown complete set to DEM Tech Unit 6/18/20 RFP 1 Complete
5	BC-OW	PHB	Y	X		Bay County CW Wastewater Shortage System Hardening	This project entails installing improvements to the County wastewater system which will improve system functionality, reliability, and performance as well as improve the County's readiness and response to disaster scenarios. Examples include installation of isolation valves, installation of new pipelines for system looping and increasing pipe sizes.	FEMA, HMGF, HUD, Bay County	\$1,250,000	\$1,112,500	\$137,500	Bay County Utility Services	Benjamin Blitch, Utility Services Director	Project Manager to Michelle Brown complete set to DEM Tech Unit 6/18/20 RFP 1 Complete
6	BC-OW	PHB	Y	X		Bay County CW Wastewater Shortage System Hardening	This project entails installing improvements to the County wastewater system which will improve system functionality, reliability, and performance as well as improve the County's readiness and response to disaster scenarios. Examples include installation of isolation valves, installation of new pipelines for system looping and increasing pipe sizes.	FEMA, HMGF, HUD, Bay County	\$1,250,000	\$1,112,500	\$137,500	Bay County Utility Services	Benjamin Blitch, Utility Services Director	Project Manager to Michelle Brown complete set to DEM Tech Unit 6/18/20 RFP 1 Complete
7	BC-OW	PHB	Y	X		Bay County CW Wastewater Shortage System Hardening	This project entails installing improvements to the County wastewater system which will improve system functionality, reliability, and performance as well as improve the County's readiness and response to disaster scenarios. Examples include installation of isolation valves, installation of new pipelines for system looping and increasing pipe sizes.	FEMA, HMGF, HUD, Bay County	\$1,250,000	\$1,112,500	\$137,500	Bay County Utility Services	Benjamin Blitch, Utility Services Director	Project Manager to Michelle Brown complete set to DEM Tech Unit 6/18/20 RFP 1 Complete
8	BC-OW	PHB	Y	X		Bay County CW Wastewater Shortage System Hardening	This project entails installing improvements to the County wastewater system which will improve system functionality, reliability, and performance as well as improve the County's readiness and response to disaster scenarios. Examples include installation of isolation valves, installation of new pipelines for system looping and increasing pipe sizes.	FEMA, HMGF, HUD, Bay County	\$1,250,000	\$1,112,500	\$137,500	Bay County Utility Services	Benjamin Blitch, Utility Services Director	Project Manager to Michelle Brown complete set to DEM Tech Unit 6/18/20 RFP 1 Complete
9	BC-OW	PHB	Y	X		Bay County CW Wastewater Shortage System Hardening	This project entails installing improvements to the County wastewater system which will improve system functionality, reliability, and performance as well as improve the County's readiness and response to disaster scenarios. Examples include installation of isolation valves, installation of new pipelines for system looping and increasing pipe sizes.	FEMA, HMGF, HUD, Bay County	\$1,250,000	\$1,112,500	\$137,500	Bay County Utility Services	Benjamin Blitch, Utility Services Director	Project Manager to Michelle Brown complete set to DEM Tech Unit 6/18/20 RFP 1 Complete
10	BC-OW	PHB	Y	X		Bay County CW Wastewater Shortage System Hardening	This project entails installing improvements to the County wastewater system which will improve system functionality, reliability, and performance as well as improve the County's readiness and response to disaster scenarios. Examples include installation of isolation valves, installation of new pipelines for system looping and increasing pipe sizes.	FEMA, HMGF, HUD, Bay County	\$1,250,000	\$1,112,500	\$137,500	Bay County Utility Services	Benjamin Blitch, Utility Services Director	Project Manager to Michelle Brown complete set to DEM Tech Unit 6/18/20 RFP 1 Complete
11	BC	PHB	Y			Bay County Backwash Pond Control and Drainage Improvements	The project will provide for the design, permitting and construction of approximately 12 miles of County wide flood control, detention basins, and backwash ponds to reduce flooding and prevent property damage and loss of life. The project will improve public safety and increase access to the bay for both the business and recreational users throughout the County by providing water quality and critical facilities, structures and land areas and provide for safe access, connectivity and protection from hazards and threat. The project will be designed to provide protection against 25 to 100 year flood event.	HMGF, FEMA Public Assistance, FEMA 429 Funding	\$10,112,474	\$7,734,356	\$2,378,119	City of Panama City	Philip Hall, Director of Public Works, R50-537-3087	Project Manager Assigned, Application Review Complete, RFP 21 Complete 7/17/2020
12	BC	PHB	Y			Bay County Backwash Pond Control and Drainage Improvements	The project will provide for the design, permitting and construction of approximately 12 miles of County wide flood control, detention basins, and backwash ponds to reduce flooding and prevent property damage and loss of life. The project will improve public safety and increase access to the bay for both the business and recreational users throughout the County by providing water quality and critical facilities, structures and land areas and provide for safe access, connectivity and protection from hazards and threat. The project will be designed to provide protection against 25 to 100 year flood event.	HMGF, FEMA Public Assistance, FEMA 429 Funding	\$10,112,474	\$7,734,356	\$2,378,119	City of Panama City	Philip Hall, Director of Public Works, R50-537-3087	Project Manager Assigned, Application Review Complete, RFP 21 Complete 7/17/2020
13	BC	PHB	Y			Bay County Backwash Pond Control and Drainage Improvements	The project will provide for the design, permitting and construction of approximately 12 miles of County wide flood control, detention basins, and backwash ponds to reduce flooding and prevent property damage and loss of life. The project will improve public safety and increase access to the bay for both the business and recreational users throughout the County by providing water quality and critical facilities, structures and land areas and provide for safe access, connectivity and protection from hazards and threat. The project will be designed to provide protection against 25 to 100 year flood event.	HMGF, FEMA Public Assistance, FEMA 429 Funding	\$10,112,474	\$7,734,356	\$2,378,119	City of Panama City	Philip Hall, Director of Public Works, R50-537-3087	Project Manager Assigned, Application Review Complete, RFP 21 Complete 7/17/2020
14	BC	PHB	Y			Bay County Backwash Pond Control and Drainage Improvements	The project will provide for the design, permitting and construction of approximately 12 miles of County wide flood control, detention basins, and backwash ponds to reduce flooding and prevent property damage and loss of life. The project will improve public safety and increase access to the bay for both the business and recreational users throughout the County by providing water quality and critical facilities, structures and land areas and provide for safe access, connectivity and protection from hazards and threat. The project will be designed to provide protection against 25 to 100 year flood event.	HMGF, FEMA Public Assistance, FEMA 429 Funding	\$10,112,474	\$7,734,356	\$2,378,119	City of Panama City	Philip Hall, Director of Public Works, R50-537-3087	Project Manager Assigned, Application Review Complete, RFP 21 Complete 7/17/2020
15	BC	PHB	Y			Bay County Backwash Pond Control and Drainage Improvements	The project will provide for the design, permitting and construction of approximately 12 miles of County wide flood control, detention basins, and backwash ponds to reduce flooding and prevent property damage and loss of life. The project will improve public safety and increase access to the bay for both the business and recreational users throughout the County by providing water quality and critical facilities, structures and land areas and provide for safe access, connectivity and protection from hazards and threat. The project will be designed to provide protection against 25 to 100 year flood event.	HMGF, FEMA Public Assistance, FEMA 429 Funding	\$10,112,474	\$7,734,356	\$2,378,119	City of Panama City	Philip Hall, Director of Public Works, R50-537-3087	Project Manager Assigned, Application Review Complete, RFP 21 Complete 7/17/2020

Bay County Mitigation Initiatives List

Priority	Org	Agency	Score	Priority	OW Project?	Project Name	Project Description	Potential Funding Sources	Estimated Cost	Federal/Share Annual	Local Match	Jurisdiction or Agency	Single Point of Contact	Application Status
31	DS	GD		Y		Bay District Schools BOC at Springfield Wind Berrill	The proposed project will construct a dual purpose safe room at Springfield Elementary school. The facility will serve as a classroom and operations center for District public school non-event periods, as secondary safe room for students and faculty. A GPR generator with back up to provide power to Bay County 911, Bay County Public Safety and City staff equipment. A generator will without down time to secure further away from response activities will greatly reduce response time. An activation or will ensure minimal maintenance services to assist the city and other county with fuel and maintenance repair.	HMCZ, Bay District Schools	\$1,895,666	1021,750	\$273,917	Bay District Schools	Lee Walters	Project Manager Assigned; Application Review in Progress
32	CA	PUB		Y		Callaway Fire Station Building Generator	The project is to construct a safe room at the Callaway Fire Station. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies.	HMCZ, City of Callaway	\$172,354	\$113,815	\$44,539	City of Callaway	Bill Tyre, Director of Public Works	Applications submitted on 4/17/2020 and re-submitted on 7/29/2020 to FDRB
33	LH	PUB		Y		Lynn Haven, Pine Forest Estates	The project is to construct a safe room at the Lynn Haven, Pine Forest Estates. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies.	HMCZ, City of Lynn Haven	\$1,712,475		\$428,119	City of Lynn Haven	Bobby Baker, Public Works Director	Project Manager in Terry Collier; RSD-311-2775, Application Review in Progress; RFI #1 Completes 7/19/2020
34	MX	PUB		Y		Merico Beach City Improvement	The project is to construct a safe room at the Merico Beach City Improvement. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies.	HMCZ, FEMA Public Assistance, FEMA 406, FEMA 428 Funding	\$5,746,321	\$3,784,591	\$1,261,530	City of Merico Beach	Phillip Hall, Director of Public Works, RSD-527	Application Review Complete; Ready to turn into DEM IIR
35	7C	POL		Y		Palmas Dry, Emergency Operations Center (EOC) Safe Room	The proposed project is to construct a safe room at the Palmas Dry, Emergency Operations Center. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies.	HMCZ	\$3,796,185	\$2,780,219	\$916,746	City of Palmas Dry Public Department	Kevin Green	Project Manager Assigned; Application Review in Progress
36	BE	POL		Y		Palmas Dry, Beach, East Palms Safe Room	The proposed project is to construct a safe room at the Palmas Dry, Beach, East Palms Safe Room. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies.	HMCZ, Palamas Dry Beach Parks	\$1,603,644	\$1,202,731	\$400,911	City of Palamas Dry Beach	Lee Walters	Application Review Complete; Ready to turn into DEM IIR on 7/7/2020
37	BC	PUB		Y		Bay County, CW 411 Radio Tower Generator	The project is to construct a safe room at the Bay County, CW 411 Radio Tower Generator. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies.	HMCZ, Bay County	\$184,461	\$118,347	\$46,116	Bay County	Bob C. Brown, P.E., PTOE, Public Works Director and David Morgan	Project Manager in Terry Collier; Application in Progress; RFI #1 Complete; sent to DEM Tech Unit on 7/9/2020
38	BC, CW	PUB		Y	X	Bay County, CW Traffic Signal Main Arm Redundant Project	The project is to construct a safe room at the Bay County, CW Traffic Signal Main Arm Redundant Project. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies.	HMCZ	\$3,182,240	\$2,186,000	\$798,600	Bay County Public Works	Bob C. Brown, P.E., PTOE, Public Works Director	Project Manager in Terry Collier; Application in Progress; RFI #1 Complete 7/16/2020
39	DS	GD		Y		Bay District Schools Maintenance Facility, Wind Mitigation Including Fuel Depot	The project is to construct a safe room at the Bay District Schools Maintenance Facility, Wind Mitigation Including Fuel Depot. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies.	HMCZ, Bay District Schools	\$300,000	\$215,000	\$75,000	Bay District Schools	Lee Walters	Project Manager Assigned; Application Review Complete; Ready to turn into DEM IIR
40	CA	PUB		Y		Callaway, Communications Center Generator	The project is to construct a safe room at the Callaway, Communications Center Generator. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies.	HMCZ, City of Callaway	\$381,188	\$210,091	\$79,297	City of Callaway	Bill Tyre, Director of Public Works	Project Manager in Terry Collier; Application in Progress; RFI #1 Complete For QIA
41	LH	PUB		Y		Lynn Haven, 11th Street	The project is to construct a safe room at the Lynn Haven, 11th Street. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies.	HMCZ, City of Lynn Haven	\$1,202,348	\$976,806	\$335,542	City of Lynn Haven	Phillip Hall, Director of Public Works, RSD-527	Project Manager Assigned; Application in Progress; Ready For QIA
42	MX	PUB		Y		Merico Beach Sanitary Sewer Relocation	The project is to construct a safe room at the Merico Beach Sanitary Sewer Relocation. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies.	HMCZ, FEMA Public Assistance, FEMA 406, FEMA 428 Funding	\$23,386.3	\$167,887	\$55,946	City of Merico Beach	Phillip Hall, Director of Public Works, RSD-527	Project Manager Assigned; Application in Progress; Ready For QIA
43	PC	FR		Y		Palmas Dry, All The Scenarios, Wind Berrill	The project is to construct a safe room at the Palmas Dry, All The Scenarios, Wind Berrill. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies.	HMCZ, City of Palamas Dry	\$594,610.91	\$445,973.18	\$148,638	City of Palamas Dry	Richard Ward, Fire Chief/Inspector	Project Split into Two - New Project #286 - Project Manager Assigned; Application Complete; RFI#1 turned over to DEM Tech Unit on 7/21/20
44	BE	UTL		Y		Palmas Dry, Beach, Hardening Along Front	The project is to construct a safe room at the Palmas Dry, Beach, Hardening Along Front. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies.	HMCZ, City of Palamas Dry, General Fund, IDB Funds	\$20,664,995	\$15,498,746	\$5,166,249	City of Palamas Dry Beach	Tavel Campbell, Engineer	Application in Progress
45	BC	PUB		Y		Bay County, CW Dupont Bridge Subaqueous Water Line Hardening	The project is to construct a safe room at the Bay County, CW Dupont Bridge Subaqueous Water Line Hardening. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies.	HMCZ, Bay County	\$7,200,000	\$5,000,000	\$1,800,000	Bay County	Rowan Blitch, E. Utility Services Director	Application in Progress; Ready For QIA
46	DS	GD		Y		Bay District Schools Flood Mitigation	The project is to construct a safe room at the Bay District Schools Flood Mitigation. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies. The safe room will be used as a safe room for 40 firefighters and other personnel during emergencies.	HMCZ, Bay District Schools	\$108,200	\$81,900	\$27,100	Bay District Schools	Lee Walters	Application Review Complete; RFI Complete 7/23/2020

Bay County Mitigation Initiatives List

Priority	Org	Agency	Score	Priority	CVIP Project?	Project Name	Project Description	Potential Funding Sources	Estimated Cost	Federal Share Amount	Local Match	Responsible Jurisdiction or Agency	Single Project Contact	Application Status
45	LR	FHB	Y			Lynn Haven - Davides Lane	Davides Lane crossing within the above. Highwater elevations exceeds of three (3) 1/4" above in the existing condition. This area was changed to 1/4" above in the existing condition. The project would provide protection in the event of a storm surge or tidal surge from the ocean. The result of this project is to provide protection in the event of a storm surge or tidal surge from the ocean. The result of this project is to provide protection in the event of a storm surge or tidal surge from the ocean.	HMGCP, City of Lynn Haven	\$75,000	\$192,077	\$64,226	City of Lynn Haven	Bobby Baker, Public Works Director	Project Manager is Terry Golden. Application Review Complete. Ready for QIA.
46	MR	FHB	Y			Mexus Beach Road Channel Improvement	The City of Mexico Beach has a 100 year flood protection along the channel which would not be subject to storm surge if the channel could be raised. There are multiple residences along the channel which would not be subject to storm surge if the channel could be raised. There are multiple residences along the channel which would not be subject to storm surge if the channel could be raised. There are multiple residences along the channel which would not be subject to storm surge if the channel could be raised.	HMGCP, FEMA Public Assistance, FEMA 424 Funding	\$7,802,562	\$5,926,122	\$1,876,441	City of Mexico Beach	Phillip Hall, Director of Public Works, 656-527-3087	Application Review Complete. Awaiting RFI #1 due 7/31/2020
47	PC	FHB	Y			Panama City Public Works Safe Room	The proposed project for the Public Works building is to construct the facility and construct a safe room. The safe room will be used as a safe room for staff and visitors. The safe room will be used as a safe room for staff and visitors. The safe room will be used as a safe room for staff and visitors.	HMGCP, City of Panama City	\$2,188,091	\$1,641,068	\$547,023	City of Panama City	Jessie Rodriguez	Applications in Progress
48	MR	FHB	Y			Panama City Beach, All Coliseum Road Improvement	The project is to construct a new dual purpose safe room facility. During a terrorist event, the facility will be used as a safe room for students, teachers, administrators and visitors to the school system. The remaining time will be used as a safe room for students, teachers, administrators and visitors to the school system. The remaining time will be used as a safe room for students, teachers, administrators and visitors to the school system.	HMGCP, Panama City Beach	\$2,039,713	\$1,529,793	\$509,920	City of Panama City Beach	Bobby Baker	Project Manager Assigned. Application Review Complete. RFI #1 Complete 7/6/2020. Ready to submit to BDM Tech Unit
49	DE	FAC	Y			Bay District Schools, Murrells Safe Room	The proposed project is to construct a new dual purpose safe room facility. During a terrorist event, the facility will be used as a safe room for students, teachers, administrators and visitors to the school system. The remaining time will be used as a safe room for students, teachers, administrators and visitors to the school system. The remaining time will be used as a safe room for students, teachers, administrators and visitors to the school system.	HMGCP	\$7,322,094	\$5,491,571	\$1,830,524	Bay District Schools	Jan Williams	Applications in Progress
50	LR	FHB	Y			Lynn Haven, Healy Drive	The project is to construct a new dual purpose safe room facility. During a terrorist event, the facility will be used as a safe room for students, teachers, administrators and visitors to the school system. The remaining time will be used as a safe room for students, teachers, administrators and visitors to the school system. The remaining time will be used as a safe room for students, teachers, administrators and visitors to the school system.	HMGCP, City of Lynn Haven	\$296,774	\$221,081	\$72,694	City of Lynn Haven	Bobby Baker, Public Works Director	Project Manager is Terry Golden. Application Review Complete. RFI #1 Complete 7/6/2020. Ready to submit to BDM Tech Unit
51	PC	FHB	Y			Panama City, Utility Safe Room	The proposed project is to construct a new dual purpose safe room facility. During a terrorist event, the facility will be used as a safe room for students, teachers, administrators and visitors to the school system. The remaining time will be used as a safe room for students, teachers, administrators and visitors to the school system. The remaining time will be used as a safe room for students, teachers, administrators and visitors to the school system.	HMGCP, City of Panama City	\$92,148	\$692,514	\$270,871	City of Panama City	Jessie Rodriguez	Applications in Progress
52	MR	UTL	Y			City of Panama City Beach, Underpinning Utilities	The project is to construct a new dual purpose safe room facility. During a terrorist event, the facility will be used as a safe room for students, teachers, administrators and visitors to the school system. The remaining time will be used as a safe room for students, teachers, administrators and visitors to the school system. The remaining time will be used as a safe room for students, teachers, administrators and visitors to the school system.	HMGCP, Panama City Beach	\$21,400	\$168,500	\$53,100	City of Panama City Beach	David Campbell, Engineer	Project Manager Assigned. Application Review Complete. RFI #1 Complete 7/6/2020. Ready to submit to BDM Tech Unit
53	MR	FHB	Y			Bay County, 1712 Veterans Center	The project is to construct a new dual purpose safe room facility. During a terrorist event, the facility will be used as a safe room for students, teachers, administrators and visitors to the school system. The remaining time will be used as a safe room for students, teachers, administrators and visitors to the school system. The remaining time will be used as a safe room for students, teachers, administrators and visitors to the school system.	HMGCP, Bay County	\$21,400	\$168,500	\$53,100	Bay County	John S. E. Johnson, Library PC	Project Manager Assigned. Application Review Complete. RFI #1 Complete 7/6/2020. Ready to submit to BDM Tech Unit
54	LR	UTL	Y			Lynn Haven, I-10 Station ID #2 - Generator	The project is to construct a new dual purpose safe room facility. During a terrorist event, the facility will be used as a safe room for students, teachers, administrators and visitors to the school system. The remaining time will be used as a safe room for students, teachers, administrators and visitors to the school system. The remaining time will be used as a safe room for students, teachers, administrators and visitors to the school system.	HMGCP	\$79,968	\$59,976	\$19,992	City of Lynn Haven	Greg Johnson, Utilities Director	Project Manager is Terry Golden. Application Review Complete. RFI #1 Complete 7/6/2020. Ready to submit to BDM Tech Unit
55	MR	UTL	Y			City of Panama City Beach, Underpinning Utilities Phase 1	The project is to construct a new dual purpose safe room facility. During a terrorist event, the facility will be used as a safe room for students, teachers, administrators and visitors to the school system. The remaining time will be used as a safe room for students, teachers, administrators and visitors to the school system. The remaining time will be used as a safe room for students, teachers, administrators and visitors to the school system.	HMGCP, Panama City Beach	\$21,400	\$168,500	\$53,100	City of Panama City Beach	David Campbell, Engineer	Project Manager Assigned. Application Review Complete. RFI #1 Complete 7/6/2020. Ready to submit to BDM Tech Unit
56	MR	UTL	Y			Lynn Haven, I-10 Station ID #1 - Generator	The project is to construct a new dual purpose safe room facility. During a terrorist event, the facility will be used as a safe room for students, teachers, administrators and visitors to the school system. The remaining time will be used as a safe room for students, teachers, administrators and visitors to the school system. The remaining time will be used as a safe room for students, teachers, administrators and visitors to the school system.	HMGCP	\$79,968	\$59,976	\$19,992	City of Lynn Haven	Greg Johnson, Utilities Director	Project Manager is Terry Golden. Application Review Complete. RFI #1 Complete 7/6/2020. Ready to submit to BDM Tech Unit
57	PC	FHB	Y			Panama City, Middle Water Treatment Plant	The project is to construct a new dual purpose safe room facility. During a terrorist event, the facility will be used as a safe room for students, teachers, administrators and visitors to the school system. The remaining time will be used as a safe room for students, teachers, administrators and visitors to the school system. The remaining time will be used as a safe room for students, teachers, administrators and visitors to the school system.	City of Panama City	\$3,132,720	\$2,567,240	\$565,480	City of Panama City	Greg Johnson, Utilities Director	Project Manager Assigned. Application Review Complete. RFI #1 Complete 7/6/2020. Ready to submit to BDM Tech Unit
58	MR	UTL	Y			Lynn Haven, I-10 Station ID #1 - Generator	The project is to construct a new dual purpose safe room facility. During a terrorist event, the facility will be used as a safe room for students, teachers, administrators and visitors to the school system. The remaining time will be used as a safe room for students, teachers, administrators and visitors to the school system. The remaining time will be used as a safe room for students, teachers, administrators and visitors to the school system.	HMGCP	\$79,968	\$59,976	\$19,992	City of Lynn Haven	Greg Johnson, Utilities Director	Project Manager is Terry Golden. Application Review Complete. RFI #1 Complete 7/6/2020. Ready to submit to BDM Tech Unit
59	MR	CRB	Y			Bay County Fire Station Thru Fire Station	The project is to construct a new dual purpose safe room facility. During a terrorist event, the facility will be used as a safe room for students, teachers, administrators and visitors to the school system. The remaining time will be used as a safe room for students, teachers, administrators and visitors to the school system. The remaining time will be used as a safe room for students, teachers, administrators and visitors to the school system.	HMGCP	\$600,000	\$600,000	\$316,400	Bay County General Services Department	David Campbell, Engineer	Project Manager Assigned. Application Review Complete. RFI #1 Complete 7/6/2020. Ready to submit to BDM Tech Unit
60	MR	FAC	Y			Bay District School, Ransom School Shelter	The project is to construct a new dual purpose safe room facility. During a terrorist event, the facility will be used as a safe room for students, teachers, administrators and visitors to the school system. The remaining time will be used as a safe room for students, teachers, administrators and visitors to the school system. The remaining time will be used as a safe room for students, teachers, administrators and visitors to the school system.	HMGCP, Bay District Schools, FEMA Shelter program	\$214,465	\$0	\$214,465	Bay District Schools	Jan Williams	Application Review Complete

Bay County Mitigation Initiatives List

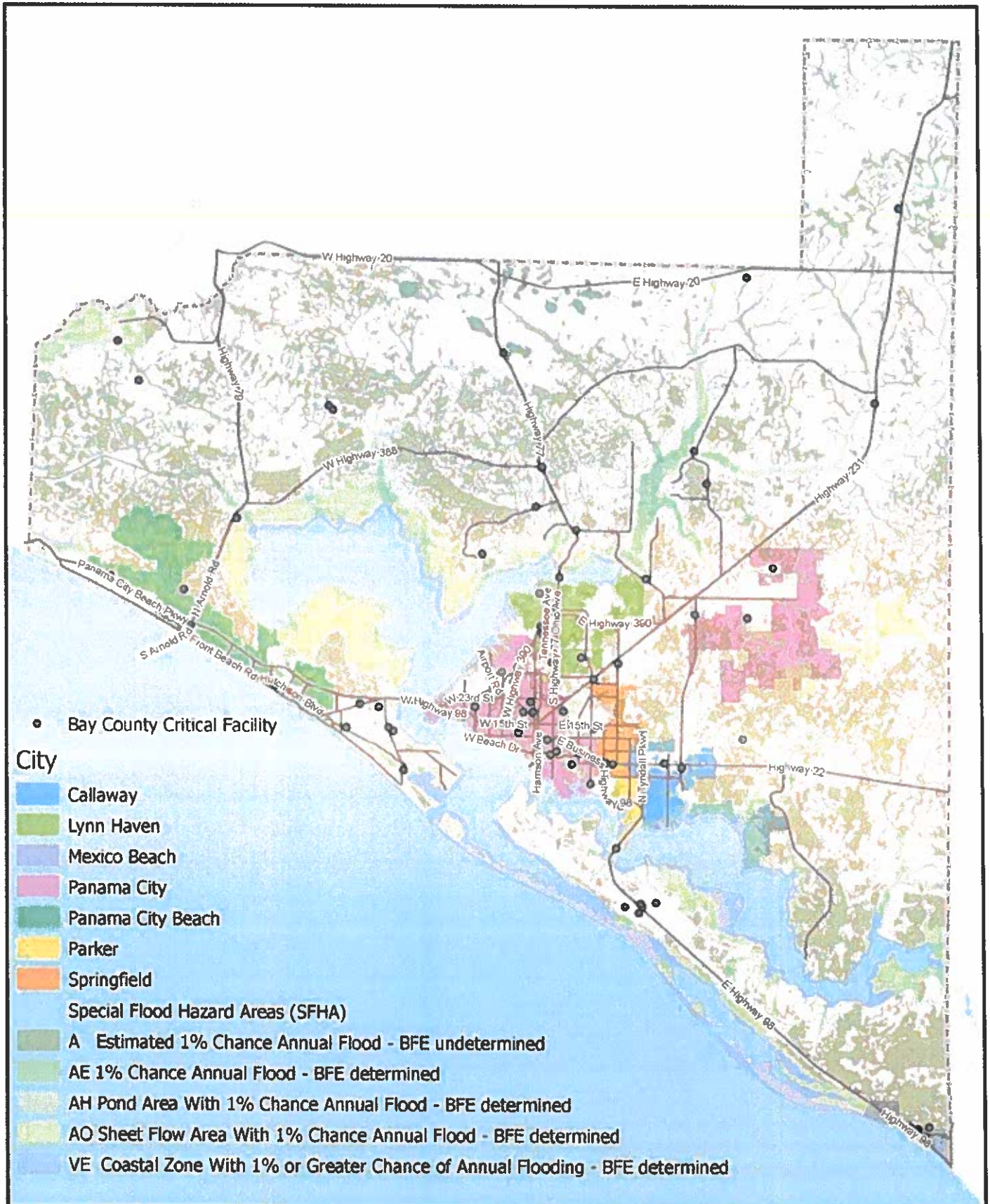
Priority	Org	Agency	Score	Priority	City Project?	Project Name	Project Description	Funding Sources	Estimated Cost	Federal Share Amount	Local Match	Responsible Jurisdiction or Agency	Single Point of Contact	Application Status
01	BA	PAC	Y	Y	Y	Bay District School District Elementary School Shelter for Dining	Bay District Schools is proposing, in accordance with Bay County Emergency Management and Florida Division of Emergency Management. The proposed project will include school buildings at Deer Point Elementary School to protect the safety of the building envelope to avoid damage and reduce damage. The number of school buildings to be retrofitted is to be determined by the building envelope and the age of the building. The primary concern is to protect the building envelope of any year buildings in the school district. The primary concern is to protect the building envelope of any year buildings in the school district. The primary concern is to protect the building envelope of any year buildings in the school district.	HMCIP, Bay District Schools, FEMA Shelter Referral program	\$400,500	\$0	\$400,500	Bay District Schools	Jim Walters	Applications in Progress, Ready for QIA
02	LR	WTL	Y	Y	Y	Lynn Haven Unit Station 10-5 Alpacas	Project Manager in Progress, Ready for QIA	HMCIP	\$70,000	\$0	\$70,000	City of Lynn Haven	Lee Kizil, Richard Brown	Project Manager in Progress, Ready for QIA
03	PC	GBA	Y	Y	Y	Panama City, Drilling Well Mitigation	Project Manager in Progress, Ready for QIA	HMCIP	\$82,693	\$65,782	\$121,981	City of Panama City Community Reinvestment Agency	Richard Johnson	Applications in Progress, Ready for QIA
04	BE-OW	GED	Y	Y	Y	Bay County Disaster Recovery Center Generator	Project Manager in Progress, Ready for QIA	HMCIP	\$465,072	\$148,064	\$116,268	Bay County General Services Department	Jason B. Jowers, Assistant General Services Director, Fred Brown	Project Manager in Progress, Ready for QIA
05	BE	GBB	Y	Y	Y	Bay County - 9th Street Industrial Wastewater Treatment	Project Manager in Progress, Ready for QIA	Public - FDOT, FPL, E-Cycle, Florida Power & Light	\$210,000	\$157,697	\$105,000	Bay County General Services Department	Jason B. Jowers, Assistant General Services Director, Fred Brown	Project Manager in Progress, Ready for QIA
06	CA	PHB	Y	Y	Y	Callaway Damaged and Ernie Central Station with Birch Avenue	Project Manager in Progress, Ready for QIA	Capital Improvement/HMCIP	\$237,382	\$178,531	\$156,846	City of Callaway	Bill Frye, Director of Public Works	Applications in Progress, Ready for QIA
07	LR	PHB	Y	Y	Y	Lynn Haven - Bradley Circle Drainage	Project Manager in Progress, Ready for QIA	City of Lynn Haven	\$284,482	\$213,463	\$71,221	City of Lynn Haven	Bobby Baker, Public Works Director	Applications in Progress, Ready for QIA
08	BE	PHB	Y	Y	Y	Panama City Beach Heritage Circle & S. Heritage Circle	Project Manager in Progress, Ready for QIA	HMCIP, City of Panama City Beach	\$400,000	\$300,000	\$100,000	City of Panama City Beach	Bobby Baker	Applications in Progress, Ready for QIA
09	PC	PHB	Y	Y	Y	Panama City, Hospital Groundwater Water Supply	Project Manager in Progress, Ready for QIA	City of Panama City	\$5,000,000	\$3,750,000	\$1,250,000	City of Panama City	Jessica Abinger	Project Manager Assigned, Applications Review Complete, RFP complete on 7/16/2020
10	SP	PHB	Y	Y	Y	City of Springdale/LA Station 57B, IS Bypass Pump	Project Manager Assigned, Applications Review Complete, RFP complete on 7/16/2020	State & Federal Grants	\$250,000	\$187,500	\$62,500	City of Springdale	David (David) Thomas	Project Manager Assigned, Applications Review Complete, RFP complete on 7/16/2020
11	CA	PHB	Y	Y	Y	Herricks Shelters and Conference/Commodation Chambers	Project Manager Assigned, Applications Review Complete, RFP complete on 7/16/2020	Capital Improvements/HMCIP	\$150,000	\$113,806	\$37,000	City of Callaway	Bill Frye, Director of Public Works	Application submitted on 4/17/2020 and re-submitted on 7/29/2020 to FDM
12	LR	PHB	Y	Y	Y	Lynn Haven, Aberdeen Parkway	Project Manager Assigned, Applications Review Complete, RFP complete on 7/16/2020	City of Lynn Haven	\$100,000	\$77,224	\$22,776	City of Lynn Haven	Bobby Baker, Public Works Director	Project Manager in Progress, Ready for QIA
13	BE	GED	Y	Y	Y	Bay County - Main Yard Hardening/Generator	Project Manager Assigned, Applications Review Complete, RFP complete on 7/16/2020	Bay County General Services Department	\$210,000	\$157,697	\$50,000	Bay County General Services Department	Jason B. Jowers, Assistant General Services Director, Fred Brown	Project Manager Assigned, Applications in Progress, Ready for QIA
14	CA	PHB	Y	Y	Y	Herricks Shelters and Conference/Commodation Chambers	Project Manager Assigned, Applications Review Complete, RFP complete on 7/16/2020	Capital Improvements/HMCIP	\$25,500	\$19,125	\$4,375	City of Callaway	Bill Frye, Director of Public Works	Application submitted on 4/17/2020 and re-submitted on 7/29/2020 to FDM

Bay County Mitigation Initiatives List

Priority	Org	Agency	Scope	Identified	OWP Project?	Project Name	Project Description	Potential Funding Sources	Estimated Cost	Federal Share Amount	Local Match	Responsible (Lead) or Agency	Single Point of Contact	Application Status
71	BE	PUB	Y	Y		Panama City Beach, Public Works Building, Berthel and Sub Alarm	The City of Panama City Beach will retrofit the existing, public works building. The proposed project is to upgrade the existing building to meet current code requirements. The project will include the installation of a fire alarm system and a stand-alone alarm horn. Approximately 40 essential public works employees will benefit from this project, before, during and after a storm.	Panama City Beach Funds	\$600,000	\$400,000	\$200,000	Panama City Beach Public Works	Robby Baker, Public Works Director	Project Manager Assigned, Application Review Complete
74	SP	PUB	Y	Y		City of Springfield LIT Station 378.15 Bypass Pump	To plumb the lift station 378.15, located at 1801 High Ave. Springfield and the permanent installation of a bypass pump in the event of a power outage.	State & Federal Grants	\$250,000	\$187,500	\$62,500	City of Springfield	Donald (Lynn) Prinson	Application IN QUEUE
77	PK	PUB	Y	Y		Parter, Tyndall Parkway Utility Hardening	Upgrade a larger capacity water pipe under north Tyndall Parkway to increase water pressure for the City of Parter to include the water pressure for fire safety.	HMCP	\$90,993	\$74,985	\$15,998	City of Parter	Andrew Kelly, Fire Chief	Project Manager Assigned, Application Review Complete
78	DS	FAC	Y	Y		Bay District Schools Delaplane Shubert	Bay District Schools is proposing, in accordance with Bay County Emergency Management, to increase redundancy of Bay District School buildings to accommodate residents before, during, and after a storm event. The proposed project will retrofit school buildings to protect the integrity of the building envelope and to avoid future and related damages. The proposed project is to provide additional redundancy in the Varnava Street and Clenden neighborhoods. These properties flood often, including in lower precipitation events. The elevated properties will be at a significantly lower risk of flooding.	Bay District Schools	\$1,000,000	\$0	\$1,000,000	Bay District Schools	Lee Walker	Application Review Complete, RFI 11, Complete 7/27/2020
79	BE	PUB	Y	Y		Panama City Beach, San Street Storage	Bay District Schools is proposing to retrofit the district transportation facility, San Street, to increase redundancy and provide additional redundancy in the event of a power outage. The project will include the installation of a generator and a stand-alone alarm horn. The generator will also be included to maintain power at the facility, in case of power outage in other district properties located in the area. The project will include the installation of a generator and a stand-alone alarm horn. The generator will also be included to maintain power at the facility, in case of power outage in other district properties located in the area.	Panama City Beach Funds	\$467,250	\$350,677	\$116,572	Panama City Beach Public Works	Robby Baker	Application In Progress, Ready For QUA
80	DS	GEN	Y	Y		Bay District Schools Hardening (Wind Erosion)	Bay District Schools is proposing to retrofit the district transportation facility, San Street, to increase redundancy and provide additional redundancy in the event of a power outage. The project will include the installation of a generator and a stand-alone alarm horn. The generator will also be included to maintain power at the facility, in case of power outage in other district properties located in the area.	HMCP, Bay District Schools	\$200,000	\$195,000	\$5,000	Bay District Schools	Lee Walker	Application in Progress
81	PC	PUB	Y	Y		City of Panama City, Comprehensive Drainage	The City will identify a proposed project, after an assessment of the at the flood hazard areas in Panama City. The project will include the installation of a generator and a stand-alone alarm horn. The generator will also be included to maintain power at the facility, in case of power outage in other district properties located in the area.	HMCP, City of Panama City Funds, RFP/WAD Funds, FDSP	\$15,000,000	\$10,750,000	\$4,250,000	City of Panama City	Heather Madsen	Application in Progress, Ready for QUA
82	BC	PUB	Y	Y		Bay County, CW 411 Parter Utility Hardening	Hardening of the power with secure critical emergency services communications is improved and has redundancy. It will include the installation of a generator and a stand-alone alarm horn. The generator will also be included to maintain power at the facility, in case of power outage in other district properties located in the area.	HMCP, Bay County	\$2,525,203	\$1,893,901	\$631,302	Bay County Public Works	Lee Walker, Public Works Director	Application in Progress, Ready for QUA
83	BC-CW	UTL	Y	X		Bay County, CW 411 Parter Utility Hardening	Hardening of the power with secure critical emergency services communications is improved and has redundancy. It will include the installation of a generator and a stand-alone alarm horn. The generator will also be included to maintain power at the facility, in case of power outage in other district properties located in the area.	HMCP, Bay County	\$3,900,000	\$2,925,000	\$975,000	Bay County Utility Services	Benjamin Dittus, P.E., P.E.C. Public Works Director	Application in Progress, Ready for QUA
84	LH	PUB	Y	Y		Lynx Haven, Acme Lane	Plumbing risk that is further complicated by the proximity of the residential tank floor elevations to the road elevation. Existing drainage system need to be replaced with new ditch and pipe system with a positive connection to the drainage channel at the east side of the road. Improvements include new roadside ditch along Acme Lane which connects to the storm drainage channel on appropriately zoned and sloped storm pipe.	City of Lynx Haven	\$133,419	\$35,214	\$98,205	City of Lynx Haven	Robby Baker, Public Works Director	Project Manager in Progress, Application Review Complete, Ready for QUA
85	SP	PUB	Y	Y		City of Springfield LIT Station 378.15 Bypass Pump	To plumb the lift station 378.15, located at 1801 High Ave. Springfield and the permanent installation of a bypass pump in the event of a power outage.	State & Federal Grants	\$250,000	\$187,500	\$62,500	City of Springfield	Donald (Lynn) Prinson	Application in Progress, Ready for QUA
86	LH	PUB	Y	Y		Lynx Haven, Indiana Avenue	The section of Indiana Ave. between 16th and 17th Streets requires additional flow capacity to relieve flooding in this area. The recommended solution is to increase the size of the driveway culverts to 15" and increase the roadway ditches to match the culvert flow capacity. Additionally, the 12" cross drain at the south end of Indiana Ave. should be replaced with a 14" CIP pipe with a 12" storm drain.	City of Lynx Haven	\$140,287	\$150,500	\$10,213	City of Lynx Haven	Robby Baker, Public Works Director	Project Manager in Progress, Ready for QUA
87	BC	CSO	Y	Y		Bay County, CW 411 Parter Utility Hardening	Hardening of the power with secure critical emergency services communications is improved and has redundancy. It will include the installation of a generator and a stand-alone alarm horn. The generator will also be included to maintain power at the facility, in case of power outage in other district properties located in the area.	HMCP	\$942,714	\$709,261	\$233,453	Bay County General Services Department	Joan B. Jowers, Assistant Director of Public Works	Project Manager in Progress, Application Review Complete, ready to DRM Tech Unit 7, 11, 12, 23
88	BC-CW	CSO	Y	X		Bay County, CW 411 Parter Utility Hardening	Hardening of the power with secure critical emergency services communications is improved and has redundancy. It will include the installation of a generator and a stand-alone alarm horn. The generator will also be included to maintain power at the facility, in case of power outage in other district properties located in the area.	Bay County	\$1,885,000	\$1,485,200	\$400,000	Bay County	Sp. Lester Hollands, Subject Services, Fred Brown	Application IN QUEUE
89	SP	PUB	Y	Y		City of Springfield LIT Station 378.20 Bypass Pump	To plumb the lift station 378.20, located at 2184 Cross Ave. Springfield and the permanent installation of a bypass pump in the event of a power outage.	State & Federal Grants	\$250,000	\$187,500	\$62,500	City of Springfield	Donald (Lynn) Prinson	Application IN QUEUE
90	LH	PUB	Y	Y		Lynx Haven, Remedyville Avenue	System of Parter/Weiss Ave. between 15th and 16th Streets requires additional flow capacity to relieve flooding in this area. The recommended solution is to increase the size of the driveway culverts to 15" and increase the roadway ditches to match the culvert flow capacity. Additionally, the 12" cross drain at the south end of Indiana Ave. should be replaced with a 14" CIP pipe with a 12" storm drain.	City of Lynx Haven	\$175,000	\$131,250	\$43,750	City of Lynx Haven	Robby Baker, Public Works Director	PROJECT NOT BEING DONE UNDER HMCP
91	SP	PUB	Y	Y		City of Springfield LIT Station 378.27 Bypass Pump	To plumb the lift station 378.27, located at 2417 Hague Ave. Springfield and the permanent installation of a bypass pump in the event of a power outage.	State & Federal Grants	\$175,000	\$131,250	\$43,750	City of Springfield	Donald (Lynn) Prinson	Application IN QUEUE
92	LH	UTL	Y	Y		Lynx Haven, IM Station ID #39 - Generator	Installation of a generator for the IM station at 317 9th Avenue. The pump manufacturer is GILJIS. The generator will be installed in a secure location. The project will include the installation of a generator and a stand-alone alarm horn. The generator will also be included to maintain power at the facility, in case of power outage in other district properties located in the area.	HMCP	\$70,480	\$52,660	\$17,820	City of Lynx Haven	Greg Ribicoff, Utilities Director	PROJECT NOT SUBMITTED
93	SP	PUB	Y	Y		City of Springfield LIT Station 378.29 Bypass Pump	To plumb the lift station 378.29, located at 4421 Trum Rd., Springfield and the permanent installation of a bypass pump in the event of a power outage.	State & Federal Grants	\$250,000	\$187,500	\$62,500	City of Springfield	Donald (Lynn) Prinson	Application IN QUEUE
94	LH	PUB	Y	Y		Lynx Haven, 24th Street	The intent of this project is to increase the capacity of the existing culvert to reduce the risk of flooding in the immediate area. The primary scope of work is the replacement of the existing (1) 18" AP-CHE culverts with four (4) 48" RCP culverts, including the installation and widening of adjacent Creek at both ends to accommodate the new overhead culverts, including the installation and widening of adjacent Creek at both ends to accommodate the new overhead culverts, including the installation and widening of adjacent Creek at both ends to accommodate the new overhead culverts.	HMCP	\$616,021	\$442,014	\$174,007	City of Lynx Haven	Robby Baker, Public Works Director	Application IN QUEUE

APPENDIX G

Critical Facility Map



**BAY COUNTY LOCAL MITIGATION STRATEGY
CRITICAL FACILITIES, CITY LIMITS, AND FEMA SFHA**

1 inch = 27,000 feet

Bay County GIS Division 2020-04-06 LMS2020/Critical Facilities and City Limits

This GIS data is not a legal representation of the features depicted;