

ACTIVITY SINCE HARVEY

By the Numbers (as of August 2021)

TOTAL BOND PROJECTS APPROVED BY VOTERS

ACTIVE BOND PROJECTS
175 of 181

TOTAL BOND AMOUNT
\$2.5 billion

BOND FUNDS AUTHORIZED
\$578 million

HARVEY-RELATED GRANT FUNDING

\$1.1 billion

Total application amount
(includes requested \$827 million grant
and \$265 million local share)

LOCAL PARTNER FUNDING

\$111 million

Total Non-Federal Partnership Projects
(includes local share)

VOLUNTARY HOME BUYOUTS

Home buyouts are used to reduce flood damages in areas several feet deep in the floodplain where structural projects to reduce flooding are not cost-effective and/or beneficial.

- 660 buyouts completed
- 662 Additional buyouts in Process
- \$516 million home buyout funding secured
- 615 demolitions completed

PROFESSIONAL SERVICE CONTRACTS AWARDED

\$251 million

across 458 consultant agreements

CONSTRUCTION CONTRACTS AWARDED

\$552 million

across 96 contracts for capital improvements and repairs

COMPLETED SINCE HARVEY

27 projects valued at \$221 million that removed approximately 11,000 homes from the 100-year floodplain

ACTIVITY SINCE HARVEY

By the Numbers (as of August 2021)

Construction of flood damage reduction projects and home buyouts means a reduced risk of flooding for Harris County residents. While the devastation from Harvey was widespread, it is estimated that more than 24,100 homes and businesses avoided flooding during that storm because of construction projects completed in the past 20 years in the Brays, Sims and White Oak Bayou watersheds alone, plus buyouts. For more Hurricane Harvey information, log on to www.hcfc.org/hurricaneharvey.

COMMUNITY ENGAGEMENT

Community engagement is a critical component of our work to ensure residents are aware of and understand the flood damage reduction projects in their neighborhoods.

- 150 Bond Program Community Engagement Meetings
- 12,000+ Registered attendees
- 8,000+ Bond Program comments received
- 1.5 million+ HCFCD.ORG visitors
- 20,000+ Twitter
- 9,000+ Facebook

SELECTIVE CLEARING

Selective clearing allows for more efficient conveyance during an event, which helps reduce flood risks. It also helps to manage invasive species from over competing with desirable native species and makes it easier for the Flood Control District to access our channels when needed to perform maintenance.

- 328 acres cleared
- \$966,000 spent

FLOODPLAIN PRESERVATION

By preserving the floodplain from development, floodwaters can spread out safely without structures that can flood.

- 20,531 acres preserved for projects, floodplain preservation and buyouts.

TURF ESTABLISHMENT

Turf establishment makes our green infrastructure green – the turf helps prevent erosion, which keeps silt and soil from accumulating in our channels, which increases long-term maintenance costs.

- 1,977 acres established
- \$3.2 million spent

4 Years Since Harvey



August 2020
One new stream elevation and rainfall data gage station added to Harris County Flood Warning System in Friendswood

August 2020
Construction BEGINS on sites in the Barker watershed desilt project, Bond ID F-52

August 2020
Completed \$21.8 million in Harvey Repairs in the Greens Bayou, White Oak Bayou and Cypress Creek watersheds; 13 of 18 packages complete so far

August 25, 2020
Two-year anniversary of the 2018 Bond Election; Three years after Harvey landfall in Texas

August 2020
Flood risk reduction construction ONGOING on channels and stormwater detention basins in the Brays Bayou, Clear Creek, Cypress Creek, Greens Bayou, Hunting Bayou, Little Cypress Creek, and Sims Bayou watersheds

September 2020
Five VIRTUAL Community Engagement Meetings this month regarding 2018 Bond Program projects and projects seeking Community Development Block Grant funding

September 2020
Construction substantially COMPLETE on first group of sites in the Addicks watershed desilt project, Bond ID F-53

September 2020
Voluntary Buyout Program closed on 17 flood-prone homes (Total since Harvey: ~ 498)

September 2020
Authorized to accept a \$100,000 DHS grant, with an \$120,078 local match, to support a series of public meetings about MAAPnext

September 2020
Authorized to accept a \$2.8 million DHS grant, with an \$1.5 million local match, to support ongoing county-wide floodplain restudy (MAAPnext), and new study to identify and communicate Urban Flood Risk.

October 2020
Construction COMPLETE on Phase 1 of the Lauder Stormwater Detention Basin in the Greens Bayou watershed

October 2020
Nine VIRTUAL Community Engagement Meetings this month regarding 2018 Bond Program projects and projects seeking Community Development Block Grant funding

October 30, 2020
Construction substantially COMPLETE on project to replace pedestrian bridges at Pickfair and Hoffman streets on Hunting Bayou

October 2020
Voluntary Buyout Program closed on 16 flood-prone homes (Total since Harvey: ~ 514)

October 2020
Authorized to accept a \$99,879 DHS grant, with no required local match, for the FY 2020 Letter of Map Revision Program



Cypress Creek Tributary

November 2020
ALL HARVEY REPAIRS COMPLETE
more than 800 damage sites in 18 packages of sites, more than \$74 million, with partnership funding from the U.S. Department of Agriculture's Natural Resource Conservation Service

November 2020
Completed \$8.76 million in Harvey Repairs in the Buffalo Bayou watershed, 18 of 18 packages complete

November 2020
Construction BEGINS on a project to establish and enhance prairie wetlands at the Katy Hockley Mitigation Bank in the Addicks watershed, Bond ID F-24

November 2020
Construction BEGINS on a project to widen and deepen Armand Bayou from Sam Houston Tollway to Spencer Highway Management Project

December 2020
Three VIRTUAL Community Engagement Meetings this month regarding 2018 Bond Program projects

December 15, 2020
3 new stream elevation and rainfall data gage stations added to Harris County Flood Warning System on Taylor, Patricks and Boggy bayous

December 15, 2020
Construction substantially COMPLETE on the Bauer-Hockley Stormwater Detention Basin Phase 1 project in the Little Cypress Creek watershed, Bond ID F-35

December 15, 2020
Partnership authorized with the City of Houston to purchase property in Montgomery County to reduce flooding risks in the San Jacinto River watershed, Bond ID Z-02

December 15, 2020
Funding of \$2,047,461 authorized for a partnership with the City of Deer Park for storm sewer improvements and a stormwater detention basin at Tributary B112-03-00 in the Armand Bayou watershed, Bond ID Z-02

December 1, 2020
Funding of \$738,000 authorized for a partnership with the City of Pasadena for design and construction of two stormwater detention basins at Bliss Meadows and Spencer Village Park in the Armand Bayou watershed, Bond ID Z-02

January 2021
Construction COMPLETE on Phase 1 of the Lauder Stormwater Detention Basin in the Greens Bayou watershed

January 2021
Construction BEGINS on Mud Gully (Beamer Ditch) channel conveyance improvements as part of the Clear Creek Federal Flood Risk Reduction Project in the Clear Creek watershed

January 2021
Construction BEGINS on Phase 1 of a project to improve channel conveyance on Willow Creek Tributary M124-00-00 from State Highway 249 to FM 2920, Bond ID F-37

January 2021
Construction COMPLETE on the Ardmore Street bridge as part of Project Brays, Bond ID C-11



Hillcroft Avenue Bridge

February 2021
Construction COMPLETE on Hillcroft Avenue Bridge as part of Project Bray, Bond ID C-11

February 2021
Construction substantially COMPLETE on final channel conveyance improvement segment for Project Brays, upstream of South Rice to upstream of Fondren, Bond ID C-11



Katy Hockley Mitigation Bank

March 24, 2021
Funding of \$2.26 million authorized for a partnership with the City of Baytown to design, acquire right-of-way and construct the South Main storm sewer from West Texas Avenue to East Republic Street in the Goose Creek and Cedar Bayou watersheds, Bond ID Z-02 West Texas

March 24, 2021
Conducted a controlled or prescribed burn reduce invasive vegetation and improve habitat at the Greens Bayou Wetlands Mitigation Bank

March 19, 2021
Conducted a controlled or prescribed burn reduce invasive vegetation and improve habitat at the Greens Bayou Wetlands Mitigation Bank

March 2021
During the annual tree planting season from October 2020-March 2021, planted ~15,218 native trees in the Greens, Cypress, Brays and Addicks watersheds

March 2021
Construction BEGINS to install box culverts at Little York Road to improve stormwater conveyance on Halls Bayou Tributary P118-14-00, Bond ID C-35



Addicks Watershed De-Silt Removal

April 2021
County authorized to accept a \$2.45 million TWDB grant, with no required local match, to support the San Jacinto Regional Flood Plan program

April 2021
Construction BEGINS on Chimney Rock Road, South Rice Avenue, Alameda Road and South 75th Street bridges as part of Project Brays, Bond ID C-11

May 2021
Six new stream elevation and rainfall data gage stations added to Harris County Flood Warning System in League City

May 2021
Selective Clearing begins on White Oak Bayou Tributary E143-00-00 from W. 11th Street to White Oak Bayou

April 2021
Voluntary Buyout Program closed on 5 flood-prone homes (Total since Harvey: ~ 551)

April 2021
Construction substantially COMPLETE on second group of sites in the Addicks watershed desilt project, Bond ID F-53

April 2021
Two VIRTUAL Community Engagement Meetings this month regarding 2018 Bond Program projects

April 2021
Repair work COMPLETE on Pillot Gully K140-00-00 between complete Vintage Preserve Parkway and Cypress Creek; tree replanting to follow



Buffalo Speedway Bridge Reconstruction

June 2021
Construction BEGINS on \$13.43 million in the first batch of major desilt and repair sites on multiple channels in the Cypress Creek watershed

June 2021
Construction BEGINS on White Oak Bayou channel modification from Cole Creek to Hollister Street as part of the White Oak Bayou Federal Flood Damage Reduction Project

June 8, 2021
Construction substantially COMPLETE on the Kuykendahl Stormwater Detention Basin and Glen Forest Stormwater Detention Basin in the Greens Bayou watershed

July 2021
One VIRTUAL Community Engagement Meeting this month regarding 2018 Bond Program projects

July 2021
Construction BEGINS on UPRR bridge as part of Project Brays, Bond ID C-11

July 2021
Construction BEGINS on the P518-11-00 Stormwater Detention Basin in the Halls Bayou watershed

July 2021
Construction COMPLETE on the Lawndale Street bridge as part of Project Brays, Bond ID C-11

August 2021
Construction COMPLETE on Hopper and Little York Stormwater Detention Basins and channel improvements to Halls Bayou Tributary P118-14-00, Bond ID C-35

August 2021
Construction COMPLETE on all sites in the Barker watershed desilt project, Bond ID F-52

August 2021
Construction COMPLETE on a project to establish and enhance prairie wetlands at the Katy Hockley Mitigation Bank; all-weather access road to be constructed at a later date, Bond ID F-24

August 2021
Construction nearing completion on the Telephone Road bridge project as part of Project Brays, Bond ID C-11

August 11, 2020
Funding of \$110,696 approved for partnership with City of Houston and Metropolitan Transit Authority to study improvements to the Clay Road bridge over Langham Creek, Bond ID Z-02

August 2020
Authorized to accept a \$1.24 million NRCS grant, with an \$384,194 local match, for Tropical Storm Imelda repairs

August 2020
Voluntary Buyout Program closed on 20 flood-prone homes (Total since Harvey: ~ 481)

August 2020
5 VIRTUAL Community Engagement Meetings this month regarding 2018 Bond Program projects

September 2020
Completed \$9.47 million in Harvey Repairs in the Cypress, San Jacinto River, Greens and Halls Bayou watersheds; 16 of 18 packages complete so far

September 29, 2020
Funding of \$1,005,985 authorized for a partnership with the City of Deer Park for storm sewers improvements and a stormwater detention basin at Tributary B112-04-00 in the Armand Bayou watershed, Bond ID Z-02



Cypress Park Stormwater Detention Basin

October 2020
Construction COMPLETE on a Stormwater Detention Basin on City of Houston property at S. Braeswood and W. 610 Loop in the Brays Bayou watershed, Bond ID Z-02

October 2020
Completed \$1.02 million in Harvey Repairs in the San Jacinto River, Hunting Bayou, Carpenters Bayou, Greens Bayou and Cedar Bayou watersheds; 17 of 18 packages complete so far

November 2020
Construction BEGINS on channel conveyance improvements to Hunting Bayou from U.S. 59 to the Homestead Stormwater Detention Basin outfall as part of the Hunting Bayou Federal Flood Risk Management Project

November 2020
Construction BEGINS on White Oak Bayou channel modification from Hollister to F.M. 1960 as part of the White Oak Bayou Federal Flood Damage Reduction Project

November 2020
Voluntary Buyout Program closed on 9 flood-prone homes (Total since Harvey: ~ 523)

November 2020
One VIRTUAL Community Engagement Meeting this month regarding 2018 Bond Program projects

December 2020
Construction BEGINS on Kleb Woods Stormwater Detention Basin in the Little Cypress Creek watershed, Bond ID F-33

December 2020
Construction BEGINS on project to modify the B504-01-00 Stormwater Detention Basin near Ellington Field in the Armand Bayou watershed

December 2020
Construction COMPLETE on Stella Link Road bridge as part of Project Brays, Bond ID C-11

December 2020
Watershed planning studies COMPLETE in the Armand Bayou (Bond ID F-96), Galveston Bay (Bond ID F-101), Willow Creek (Bond ID F-71) and Vince Bayou (Bond ID F-78) watersheds

December 2020
Voluntary Buyout Program closed on 6 flood-prone homes (Total since Harvey: ~ 529)

January 2021
Extreme rain event swales constructed on six buyout lots in Cypress Creek watershed

January 2021
Watershed planning studies COMPLETE in the Jackson Bayou (Bond ID F-73) and Luce Bayou (Bond ID F-85) watersheds

January 2021
Voluntary Buyout Program closed on 3 flood-prone homes (Total since Harvey: ~ 532)

January 2021
One VIRTUAL Community Engagement Meeting this month regarding 2018 Bond Program projects

January 2021
Construction BEGINS on excavation and removal to expand the Cypress Rosehill Stormwater Detention Basin in the Willow Creek watershed

February 2021
Voluntary Buyout Program closed on 5 flood-prone homes (Total since Harvey: ~ 537)

February 2021
Two VIRTUAL Community Engagement Meetings this month regarding 2018 Bond Program projects

March 2021
Construction BEGINS on Buffalo Speedway bridge as part of Project Brays, Bond ID C-11

March 2021
Watershed planning studies COMPLETE in the Spring Creek (Bond ID F-75), Goose Creek (Bond ID F-121), Spring Gully (Bond ID F-39) and Carpenters Bayou (Bond ID F-124) watersheds

March 2021
Voluntary Buyout Program closed on 9 flood-prone homes (Total since Harvey: ~ 546)

March 2021
One Community Engagement Meeting this month regarding Bond-funded Harris County Engineering drainage projects

March 2021
One VIRTUAL Community Engagement Meeting this month regarding 2018 Bond Program projects

June 2021
Ten new stream elevation and rainfall data gage stations added to Harris County Flood Warning System in Brazoria Drainage District #4 and the City of Missouri City

June 2021
Voluntary Buyout Program closed on 3 flood-prone homes (Total since Harvey: ~ 556)

June 2021
Three VIRTUAL Community Engagement Meetings this month regarding 2018 Bond Program projects

July 2021
Voluntary Buyout Program closed on 7 flood-prone homes (Total since Harvey: ~ 563)



Telephone Bridge Construction

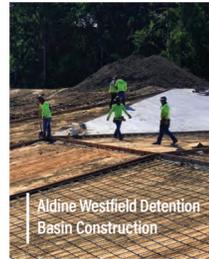
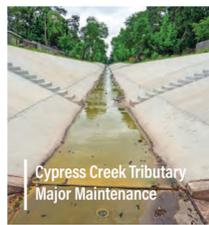
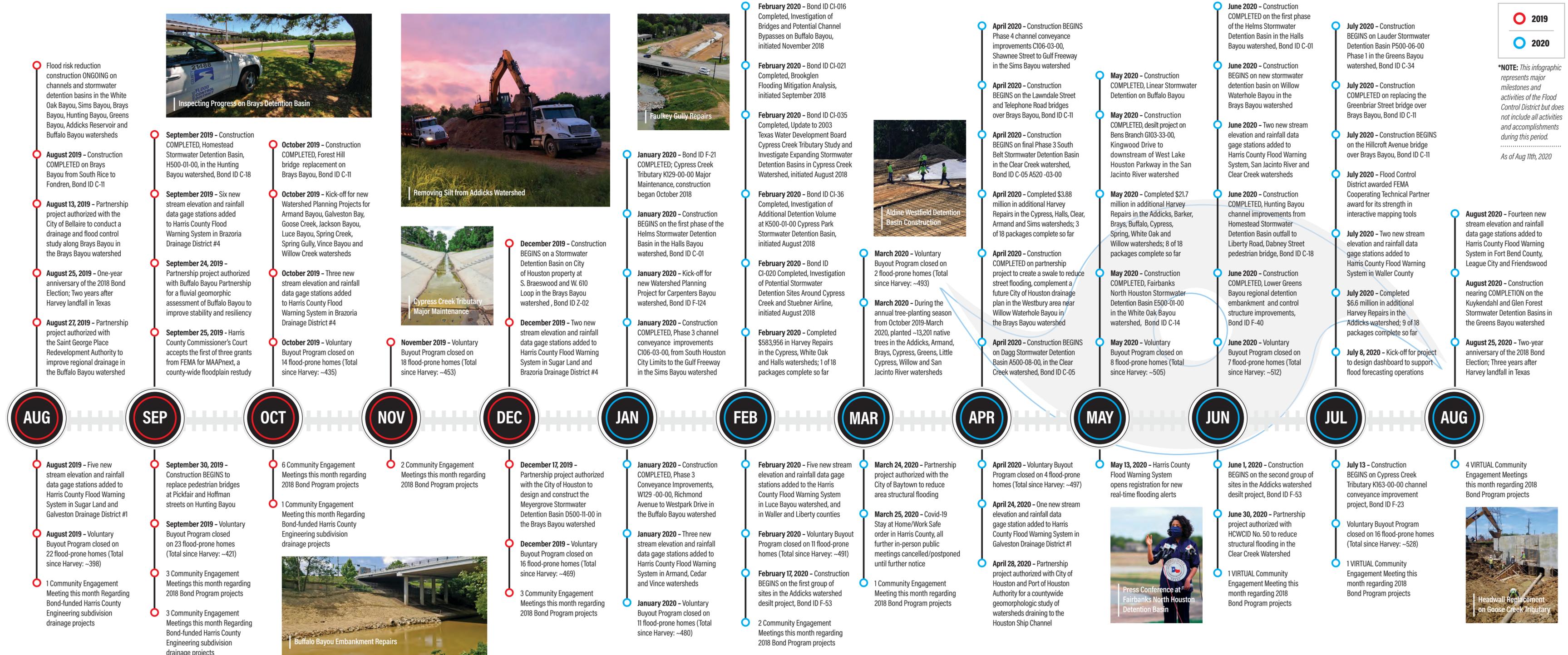
August 25, 2021
Three-year anniversary of the 2018 Bond Election; Four years after Harvey landfall in Texas

2020 - 2021

*NOTE: This infographic represents major milestones and activities of the Flood Control District but does not include all activities and accomplishments during this period.

3 Years Since Harvey

HARRIS COUNTY FLOOD CONTROL DISTRICT HCFCD.ORG



2018 - 2019 Years Since Harvey

HARRIS COUNTY
FLOOD CONTROL DISTRICT
HCFC.D.ORG



- Flood risk reduction capital construction ONGOING on channels and stormwater detention basins in the Clear Creek, Sims Bayou, Brays Bayou, Hunting Bayou, Little Cypress Creek, Greens Bayou, Addicks Reservoir and Buffalo Bayou watersheds
- HCFC.D Buyout Program closed on four flood-prone homes. (Total since Harvey: ~ 61)
- August 25 - One-year anniversary of Hurricane Harvey landfall in Texas

AUG

- August 25 - Voters approve \$2.5 Billion HCFC.D Bond Program
- August 28 - New stream elevation and rainfall data gage station Clodine Ditch at Grand Mason added to Flood Warning System



SEP

- September 25 - Authorized to accept a \$6.5 million FEMA grant, with an \$8 million local match, for a countywide flood hazard assessment with new rainfall data and advanced modeling technologies, to provide more accurate flood risk information, revised floodplain maps
- September 25 - Harris County Commissioners Court approves agreement with Fort Bend County Drainage District to add five stream elevation and rainfall data gage stations to Flood Warning System

OCT

- October 9 - Storm debris removal COMPLETE Buffalo Bayou and Cypress Creek; total of ~ 40,000 cubic yards removed.
- October 30 - New stream elevation and rainfall data gage station Greens Bayou at Ella added to Flood Warning System



- HCFC.D Buyout Program closed on nine flood-prone homes. (Total since Harvey: ~ 70)
- Construction BEGINS on Langham Creek Tributary U107-00-00 as part of the Addicks De-Silt Project
- Construction BEGINS to repair and remove silt on Bear Creek U102-00-00 as part of the larger Addicks De-Silt project
- October 8 - Construction COMPLETE on Phase 1 of South Belt Stormwater Detention Basin A520-03-00-E001
- October 9 - One construction contract for \$799,079 awarded for Harvey repair projects in the Little Cypress Creek watershed.

NOV

- November 8 - New stream elevation and rainfall data gage station Brays Bayou at Martin Luther King Boulevard added to Flood Warning System
- November 12 - Construction COMPLETE on Phase II of Berry Bayou Tributary C106-03-00 channel conveyance improvements, HCFC.D C106-03-00-C002

- HCFC.D Buyout Program closed on 16 flood-prone homes. (Total since Harvey: ~ 86)
- First Community Engagement Meeting regarding 2018 Bond-funded HCFC.D flood damage reduction projects (Little Cypress Creek Frontier Program)
- November 1 - Cedar Bayou Major Maintenance BEGINS - Selective Clearing Phase 1 (from IH-10 to Seaburg Road)

DEC

- December 5 - Cedar Bayou Major Maintenance COMPLETE - Selective Clearing Phase 1 (from IH-10 to Seaburg Road)



- HCFC.D Buyout Program closed on 23 flood-prone homes. (Total since Harvey: ~ 109)
- Construction BEGINS on ~ \$84 million in repairs to regional drainage infrastructure damaged during Harvey, using the first \$12.6 million grant from the National Resources Conservation Service

JAN

- January 29 - Harris County Commissioners Court approves agreement with an engineering firm to manage a countywide flood hazard assessment with new rainfall data and advanced modeling technologies to produce the county's most comprehensive and complete set of flood hazard maps and information.
- January 29 - Harris County Commissioners Court approves agreement with Galveston County Drainage District #1 to add four stream elevation and rainfall data gage stations to Flood Warning System

- HCFC.D Buyout Program closed on 16 flood-prone homes. (Total since Harvey: ~ 125)
- Ten Community Engagement Meetings this month regarding 2018 Bond-funded Harris County Engineering subdivision drainage projects

FEB

- February 26 - HCFC.D authorized to accept an additional \$25.1 million grant from NRCS to repair drainage infrastructure damaged during Hurricane Harvey. With a \$2.57 million local match, this second NRCS grant will fund ~ \$27.7 million in projects to repair erosion to channels and bayous.

- HCFC.D Buyout Program closed on 29 flood-prone. (Total since Harvey: ~ 154)
- Six Community Engagement Meetings this month regarding 2018 Bond-funded Harris County Engineering subdivision drainage projects
- February 21 - New stream elevation and rainfall data gage station at John Paul Landing added to Flood Warning System

MAR

- March 12 - Harris County Commissioners Court approves agreement with Waller County to add three stream elevation and rainfall data gage stations to Flood Warning System
- March 26 - HCFC.D authorized to accept \$40.8 million grant from the NRCS to repair drainage infrastructure damaged during Hurricane Harvey. Along with a \$4.18 million local match, this third NRCS grant will fund additional projects to repair erosion to channels and bayous.

- HCFC.D Buyout Program closed on 39 flood-prone. (Total since Harvey: ~ 193)
- During the annual tree-planting season from October 2018-March 2019, HCFC.D planted ~ 11,778 native trees in the Addicks Reservoir, Brays, Buffalo, Cypress, Greens and White Oak Bayou watersheds
- Eight Community Engagement Meetings this month regarding 2018 Bond-funded Harris County Engineering subdivision drainage projects
- One Community Engagement Meeting this month regarding 2018 Bond-funded HCFC.D flood damage reduction projects (Huffman Area Drainage Improvements)
- Sign-up alerts added to Flood Warning System (soft release)



APR

- April 29 - Cedar Bayou Major Maintenance BEGINS - Selective Clearing, Phase 2
- April 30 - Construction COMPLETE intermediate excavation Lauder Stormwater Detention Basin P500-06-00
- April 30 - Two construction contracts awarded totaling ~ \$3.3 million for Harvey repair projects - Clear Creek, Armand Bayou, Sims Bayou, Brays Bayou and Buffalo Bayou watersheds.
- April 30 - Harris County Commissioners Court approves agreement with City of Sugar Land to add 13 additional stream elevation and rainfall data gage stations to Flood Warning System

- April 9 - Five construction contracts awarded totaling ~ \$22.1 million for Harvey repairs - Spring Creek, Cypress Creek and Willow Creek watersheds.
- April 9 - HCFC.D authorized to accept \$1.31 million FEMA grant, with a match of \$436,673, for construction of a more modern Flood Warning System website
- April 22 - Construction BEGINS Fairbanks North Houston Stormwater Detention Basin E500-01-00

MAY

- May 14 - Seven construction contracts awarded totaling ~ \$41.2 million for Harvey repairs - Greens Bayou, Addicks Reservoir, Barker Reservoir and White Oak Bayou watersheds
- May 14 - Harris County Commissioners Court authorizes RFQ for "Design-Build" project delivery Clear Creek Federal Flood Risk Management Project
- May 14 - Harris County Commissioners Court approves agreement with Brazoria Drainage District No. 4 to add 11 stream elevation and rainfall data gage stations to Flood Warning System

- HCFC.D Buyout Program closes on 29 flood-prone homes. (Total since Harvey: ~ 255)
- Community Engagement Meetings this month for two 2018 Bond-funded HCFC.D flood damage reduction projects (Dagg Road Stormwater Detention Basin, Baywood Stormwater Detention Basin)
- Nine Community Engagement Meetings this month for 2018 Bond-funded Harris County Engineering subdivision drainage projects
- Construction BEGINS Lower Greens Bayou Stormwater Detention Basin improvements and Aldine Westfield Stormwater Detention Basin P500-04-00
- May 7 - Construction COMPLETE Project Brays channel modification, Buffalo Speedway to South Rice

JUN

- June 10 - New stream elevation and rainfall data gage station San Jacinto River at SH 242 added to Flood Warning System.
- June 14 - HCFC.D launches new website for MAAFNEXT, a partnership project with FEMA to produce the next generation of flood hazard maps for Harris County.
- June 25 - One construction contract awarded totaling ~ \$9.75 million for Harvey repair projects in the Buffalo Bayou watershed.

- June 1 - 2019 Hurricane Season begins
- HCFC.D Buyout Program closed on 19 flood-prone homes. (Total since Harvey: ~ 274)
- Community Engagement Meetings this month regarding five 2018 Bond-funded HCFC.D flood damage reduction projects (1119 Commerce Street, Aldine Westfield Stormwater Detention Basin, Cullen Stormwater Detention Basin, Lauder Stormwater Detention Basin, Cypress Rosehill Stormwater Detention Basin)
- One Community Engagement Meeting this month regarding 2018 Bond-funded Harris County Engineering subdivision drainage projects
- June 3 - Construction BEGINS on replacing the Greenbriar Street bridge over Brays Bayou
- June 6 - HCFC.D and U.S. Army Corps of Engineers sign Project Partnership Agreement for construction of the Clear Creek Flood Risk Management Project, with HCFC.D leading the project.

JUL

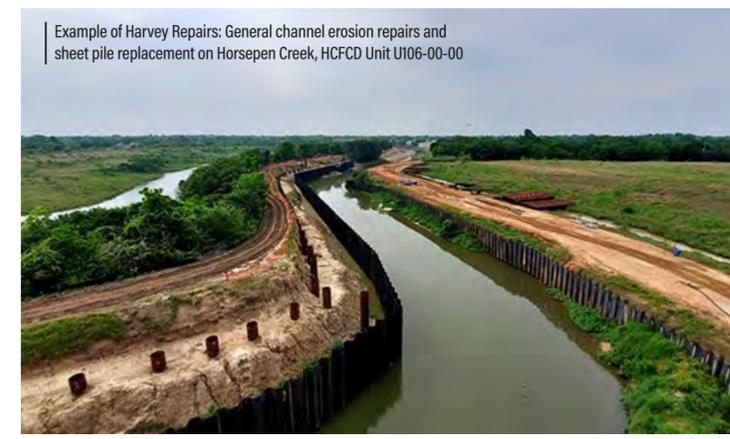
- Community Engagement Meetings this month regarding three 2018 Bond-funded HCFC.D flood damage reduction projects (Smith Road Channel Diversion, Huffman Area Drainage Improvements, P118-26-00/P518-26-00)
- July 31 - Cedar Bayou Major Maintenance COMPLETE - Selective Clearing Phase 2 (from Seaburg Road to north of Huffman-Eastgate Road)

- HCFC.D Buyout Program closed on 20 flood-prone homes. (Total since Harvey: ~ 294)
- Sign-up alerts added to Flood Warning System (full release)
- July 9 - HCFC.D authorized to apply for additional \$3.5 million FEMA grant, with a \$5 million local match, for MAAFNEXT, a partnership project with FEMA to produce the next generation of flood hazard maps for Harris County.



AUG

- August 25 - One-year anniversary of the Bond Election; two years after Harvey landfall in Texas



2018
2019

*NOTE: This infographic represents major milestones and activities of the Flood Control District but does not include all activities and accomplishments during this period.
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As of Aug 16th 2019

1st Year After Hurricane Harvey

2017
2018

This infographic represents major milestones and activities of the Flood Control District but does not include all activities and accomplishments during this period.



AUGUST 1: Harris County Flood Control District construction underway on numerous channels and detention basins in the Greens, Sims, Brays, Addicks, Little Cypress and Clear Creek watersheds

AUGUST 7: Construction begins on channel improvements and third phase of a stormwater detention basin project in the Hunting Bayou watershed

AUGUST 17: Tropical Storm Harvey forms in the Atlantic

WEEK OF AUGUST 21: Storm Debris Contractor notified of potential activation. Flood Control District begins permitting process for Temporary Debris Reduction and Disposal Sites; conducts assessment; removes debris at bridge crossings countywide; orders removal of obstructions from construction sites

AUGUST 22: Harvey forecasted to become major rainfall event for Texas coast and Harris County

AUGUST 24: Flood Control District completes pre-storm actions, confirms proper operation of 153 rainfall and bayou level gages

AUGUST 25: Harvey makes landfall near Rockport, Texas, as a Category 4 Hurricane.

AUGUST 25: Round-the-clock Flood Control District Flood Watch Team mobilizes, opens phone bank

SEPTEMBER 6: Flood Control District begins collecting thousands of "Notice of Voluntary Interest" forms from homeowners who want a home buyout

SEPTEMBER 6: Flood Control District begins flights to provide high-resolution aerial photos for post-storm channel assessment

SEPTEMBER 11: Countywide assessment of bayou blockages completed; est. 135,000 cubic yards of storm debris to be removed

SEPTEMBER 12: Harris County Commissioners Court approves \$572,888 design contract to extend Stella Link Bridge, replace Ardmore Street Bridge as part of Project Brays

SEPTEMBER 13: Completed: Largest high water mark documentation effort since Hurricane Ike, visiting 444 bridges, 81 regional basins, more than 500 locations

OCTOBER: Completed county-wide assessment of infrastructure damages. Initial damage estimate = \$74 million

OCTOBER 10: Harris County Commissioners Court acknowledges substantial completion of channel improvements on Brays Bayou from approximately Bertner Avenue to Buffalo Speedway, for control structures at Willow Waterhole Stormwater Detention Basin and for a weir and valve replacement at Arthur Storey Park



NOVEMBER 13: First public meeting on Cedar Bayou Flood Risk Reduction Study

DECEMBER 11: Construction begins on \$83 million project to remove sediment from channels in Precinct 2 (East Harris County)

JANUARY 3: Emergency Repair completed - Buffalo Bayou erosion at Doliver Drive

JANUARY 8: Additional debris removal at Buffalo Bayou

FEBRUARY 1: Emergency Repair completed - Buffalo Bayou erosion at Longmont Drive

FEBRUARY 9: Bipartisan Budget Act signed into law, appropriates \$89 billion in emergency supplemental disaster funding, including approximately \$17.4 billion to the Corps, \$23.5 billion to FEMA, \$541 million to NRCIS, \$29 billion to HUD

MARCH 14: Emergency repair completed - White Oak Bayou erosion at Fallbrook Drive

MARCH 19: Construction begins on Horseshoe Creek to de-silt four channels that drain into Addicks Reservoir, part of future larger project

APRIL 5: Notice To Proceed issued to 15 engineering consultants to begin design for \$84 million in repair projects. Surveying for Harvey drainage infrastructure repairs begins in Harris County

APRIL 10: Harris County Commissioners Court approves agreement with Brazoria Drainage District No. 4 to add eight new stream elevation and rainfall data gage stations to the Flood Warning System

MAY 1: Flood Control District approved to submit FEMA grant application for \$25 million San Jacinto River Regional Watershed Study

MAY 16: FEMA awards first \$25.6 million of the Flood Control District's \$83.5 million grant request to buy out approximately 120 homes damaged during Harvey

MAY 22: Design begins to replace bridges over Brays Bayou at Telephone Road, Lawndale Street, and South 75th Street with Harris County Commissioners Court approval of a \$758,676 contract for design, bidding and construction phase engineering services as part of Project Brays

JUNE 1: Start of 2018 Hurricane Season

JUNE 5: First of 23 Community Engagement Meetings for the proposed 2018 HFCD Bond Program: Sims Bayou watershed.

Eleven more Bond Program Community Engagement Meetings in the Armand Bayou, White Oak Bayou, Carpenters Bayou, Cypress Creek, Greens Bayou, Halls Bayou, Addicks Reservoir, Hunting Bayou, Jackson Bayou, Spring Creek and Spring Gully/Goose Creek watersheds

JUNE 12: Harris County Commissioners Court officially calls \$2.5 billion HFCD Bond Election for August 25, 2018

JUNE 12: Flood Control District approved to submit FEMA grant application for \$1.84 million in Flood Warning System upgrades

JULY: Community Engagement Meetings for the proposed 2018 HFCD Bond Program held in the Brays Bayou, San Jacinto River, Clear Creek, Willow Creek, Cedar Bayou, Luce Bayou, San Jacinto River/Galveston, Vince Bayou, Buffalo Bayou and Little Cypress Creek watersheds

JULY 5: Corps releases work plan for \$17.4 billion from the Bipartisan Budget Act of 2018, including funding to complete active Harris County flood risk reduction projects: \$295 million Clear Creek, \$75 million Brays Bayou, \$45 million White Oak Bayou, \$95 million Hunting Bayou

JULY 10: Construction Begins on Final Project: Brays Channel Segment, South Rice to Fondren

JULY 20, 2018: Flood Control District participates in press briefing with U.S. Sen. John Cornyn and Harris County Judge Ed Emmett to address restarting of the Clear Creek federal project; joined by U.S. Reps. John Culberson and Pete Olson, Texas Rep. Larry Taylor and others.

JULY 31: Harris County Commissioners Court approves final design contracts to complete Hunting Bayou and White Oak Bayou federal projects

JULY 10: Construction Begins on Final Project: Brays Channel Segment, South Rice to Fondren

JULY 20, 2018: Flood Control District participates in press briefing with U.S. Sen. John Cornyn and Harris County Judge Ed Emmett to address restarting of the Clear Creek federal project; joined by U.S. Reps. John Culberson and Pete Olson, Texas Rep. Larry Taylor and others.

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AUGUST 1: Barker Reservoir Bond Program Meeting, final of 23 Community Engagement Meetings held in 23 Harris County watersheds on the 2018 HFCD Bond Program

AUGUST 3: Flood Control District publishes list of approximately 237 projects that could be built with bond funding, including 38 resulting from Community Engagement Meetings

AUGUST 8: Early voting begins on \$2.5 billion Harris County Flood Control District Bond Program

AUGUST 14: Harris County Commissioners Court approves Bond Program project list

AUGUST 14: Flood Control District authorized to accept \$12.6 million Natural Resources Conservation Service grant for approximately \$14 million in countywide Harvey drainage infrastructure repairs

AUGUST 14: Harris County Commissioners Court awards \$7.9 million contract for construction of the Stella Link Bridge extension and Ardmore Street Bridge replacement on Brays Bayou as part of Project Brays.

AUGUST 14: Harris County Commissioners Court approves right-of-way acquisition process for Clear Creek federal project

AUGUST 20: Bids due for first three of 15 packages of Harvey drainage infrastructure repair projects as part of \$14 million NRCIS partnership project

AUGUST 25: One year anniversary of Hurricane Harvey landfall in Texas

AUGUST 25: Election Day for \$2.5 billion HFCD Bond Program



Agreements Awarded

Last Month – Count

6

Last Month – Amount

\$1.5M

Total – Count

364

Total – Amount

\$220M

Projects Changing Stages

PROJECT ID	PROJECT NAME	STAGE STARTING
B509-04-00-E001	Excavation of the Genoa Red Bluff Stormwater Detention Basin	Preliminary Engineering
M500-10-00-E001	Stormwater Detention Basin and Preservation Site	Preliminary Engineering
E100-00-00-X164	2021 White Oak Bayou Federal Repairs	Design

Construction Starts & Completions

PROJECT ID	PROJECT NAME	STAGE STARTING
n/a		

Key Performance Indicators*

CPI

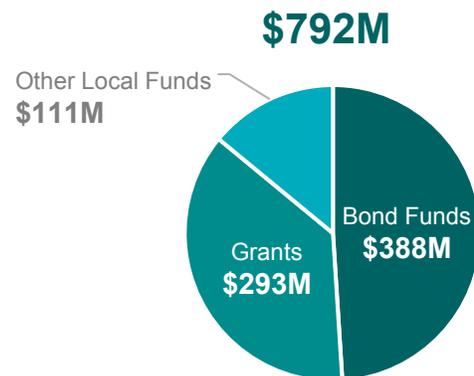
1.37

SPI

0.99

*CPI is Cost Performance Index and SPI is Schedule Performance Index. Closest to 1 is the best, with anything above or below that as indicators for trending. For CPI, anything above 1 indicates a trend of being over budget and under 1 under budget. For SPI, anything above 1 indicates behind schedule and under 1 ahead of schedule.

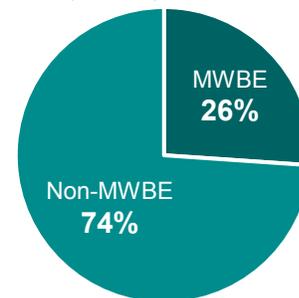
Total Spending through July 2021



Invoices paid to MWBE*

Total Invoiced – 6/1/2021 to 7/22/2021

\$5,224,705.57



*Minority- and/or Women Owned Business Enterprises (MWBE)

In the News

Construction Advisory – Halls Bayou Tributary P118-21-00 and Related Stormwater Detention

In an effort to keep you informed about the Harris County Flood Control District's continuing improvements in the Halls Bayou watershed, we want to notify you of an upcoming project. In July 2021, the Flood Control District will begin construction of the P518-11-00 stormwater detention basin, located between Halls Bayou and Isom Street.

Bond Project C-25 is part of the Halls Implementation Program, a watershed-wide effort to implement the 12 flood risk reduction projects identified in the 2018 Bond Program. This approximately 180 acre foot wet-bottom stormwater detention basin is expected to hold approximately 59 million gallons of water, or 89 Olympic-sized swimming pools, once complete.

This project is funded by the 2018 Bond Program and the U.S. Department of Housing and Urban Development's Community Development Block Grant for Disaster Recovery program.

Construction equipment will access the work area via Aldine Westfield Road. The contractor will use heavy construction equipment such as dump trucks, excavators, and bulldozers to remove trees, vegetation, and excavated soil. Motorists are urged to be alert to truck traffic when passing near construction access points and along truck routes.

Project ID: P518-11-00-E001
Contractor: Lecon, Inc.
Contract Amount: \$5,913,715.10
Construction Start: July 2021
Construction Duration: 234 calendar days

Project Web Page:
www.hcfc.org/C25

Construction Update for Drainage Repairs in Cedar Bayou Watershed

In an effort to keep you informed about the Harris County Flood Control District's continuing maintenance in the Cedar Bayou watershed, we want to notify you of a construction project.

In Summer 2021, the Flood Control District will begin construction in your area on a maintenance project that will address slope erosion along Cary Bayou (HCFC Unit# Q112-00-00) from East Archer Road to 1,400ft upstream of the channel.

Construction equipment will access the work area via East Archer Road. Motorists are urged to be alert to truck traffic when passing near construction access points and along truck routes.

Project ID: Q112-00-00-X021
Package ID: Z100-00-00-X280
Contractor: LECON, Inc.
Contract Amount: Approx. \$85,500
Construction Start: Summer 2021
Construction Duration: 38 days

Project Web Page:
www.hcfc.org/maintenance

Construction Update for Drainage Repairs in Armand Bayou Watershed

In an effort to keep you informed about the Harris County Flood Control District's continuing maintenance in the Armand Bayou watershed, we want to notify you of a construction project.

In Summer 2021, the Flood Control District will begin construction in your area on a maintenance project that will address erosion and desilt the channel from El Dorado Boulevard to HCFC Unit #B104-03-02.

Construction equipment will access the work area via El Dorado Boulevard. Motorists are urged to be alert to truck traffic when passing near construction access points and along truck routes.

Project ID: B104-03-02.1-X008
Package ID: Z100-00-00-X281
Contractor: LECON
Contract Amount: Approx. \$980,000
Construction Start: Summer 2021
Construction Duration: 140 days

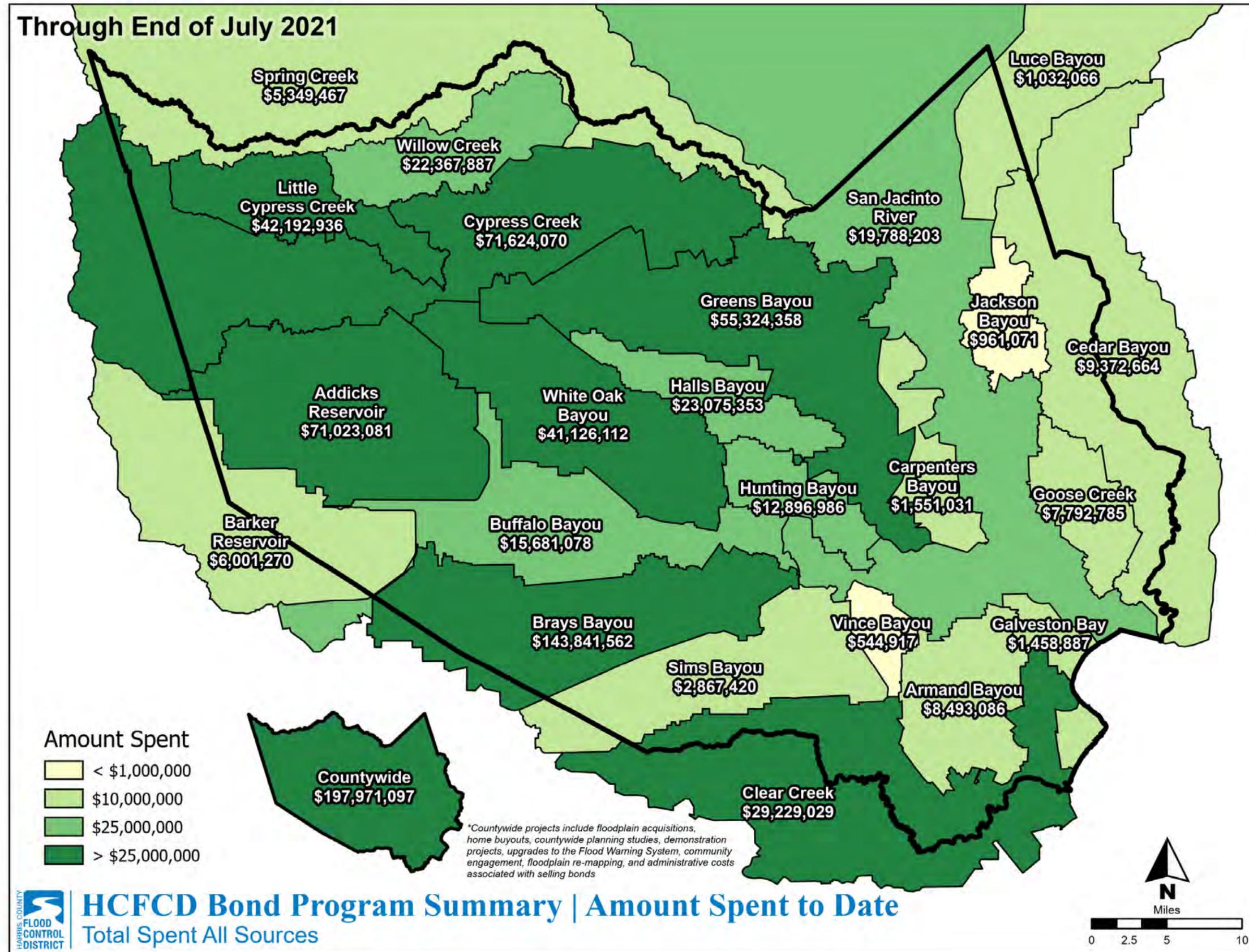
Project Web Page:
www.hcfc.org/maintenance

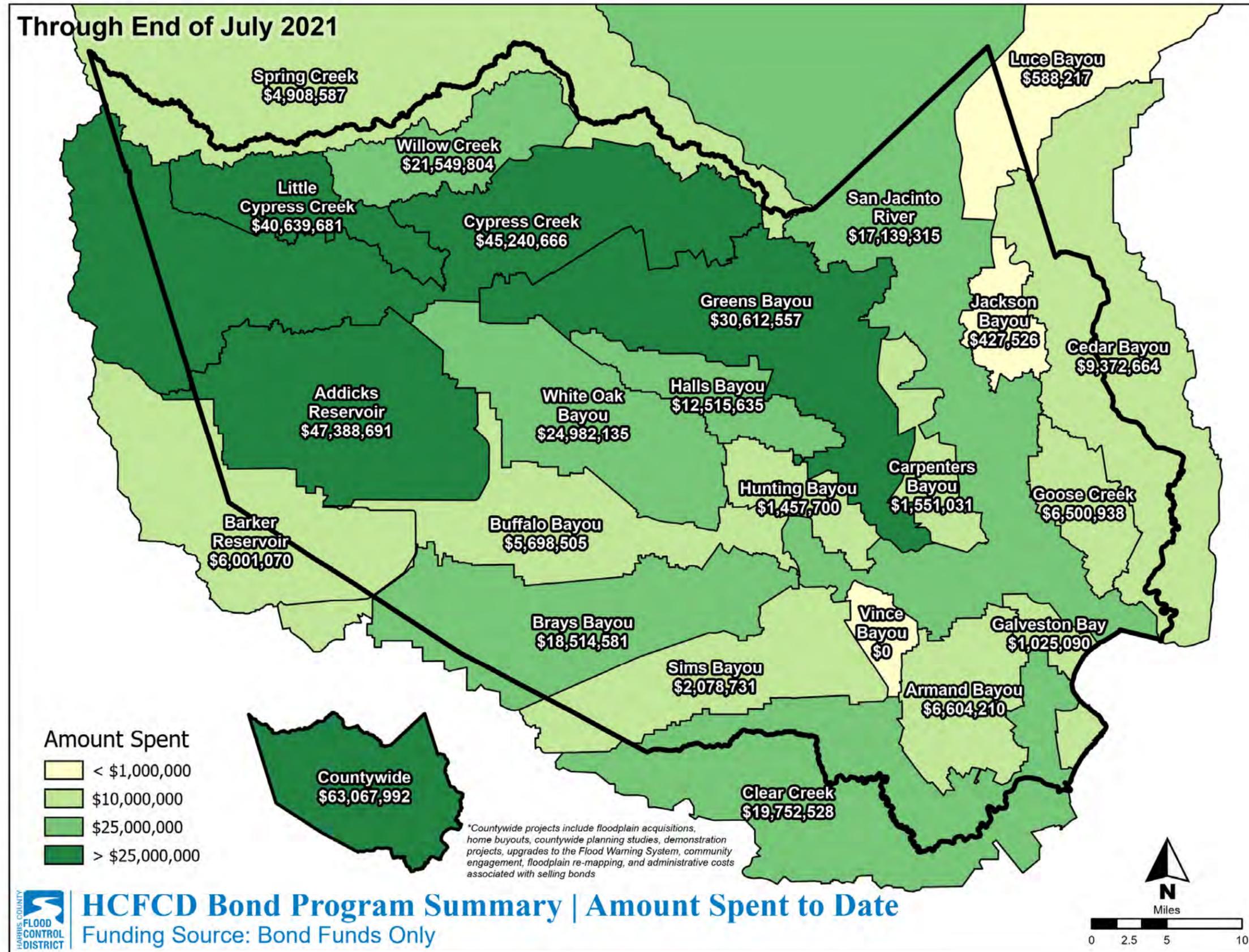
Activity ID	Start	Finish	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
			Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Design	7/8/2019 A	10/14/2020 A													
Construction	2/22/2019 A	10/31/2020 A													
Z-Subdiv Harris County Engineering Department Countywide Subdivision Drainage Improvement Projects	5/24/2018 A	9/6/2024													
Feasibility Study	8/10/2018 A	12/30/2020 A													
Preliminary Engineering	8/31/2018 A	3/18/2022													
ROW & Utility Relocation	7/14/2020 A	1/11/2023													
Design	5/24/2018 A	1/31/2023													
Construction	8/13/2021	9/6/2024													
L Little Cypress Creek	8/22/2014 A	6/27/2027													
F-26 Management, ROW Acquisition, Design and Construction of the Little Cypress Creek Frontier Program	11/15/2017 A	5/29/2027													
Preliminary Engineering	9/4/2018 A	7/8/2025													
ROW & Utility Relocation	11/15/2017 A	12/3/2024													
Design	6/25/2021	2/18/2024													
Construction	7/11/2020 A	7/11/2020 A													
Turnover & Startup	7/1/2021	5/29/2027													
Future	3/1/2023	2/28/2026													
F-27 Design and Construction of Zube Park Stormwater Detention Basin	5/1/2016 A	11/1/2023													
ROW & Utility Relocation	12/12/2019 A	8/16/2021													
Design	5/1/2016 A	6/25/2021													
Construction	7/20/2020 A	11/1/2022													
Turnover & Startup	11/2/2022	11/1/2023													
F-28 ROW Acquisition, Design, and Construction of Kluge Stormwater Detention Basin	1/13/2018 A	7/12/2026													
Preliminary Engineering	8/26/2021	4/25/2023													
ROW & Utility Relocation	1/13/2018 A	1/20/2024													
Design	10/7/2022	11/27/2023													
Construction	1/22/2024	7/12/2025													
Turnover & Startup	6/25/2021	7/12/2026													
F-29 ROW Acquisition, Design, and Construction of Mueschke East Stormwater Detention Basin	8/22/2014 A	10/24/2026													
Preliminary Engineering	12/23/2019 A	5/4/2024													
ROW & Utility Relocation	8/22/2014 A	9/28/2023													
Design	2/15/2022	5/2/2023													
Construction	5/6/2024	10/24/2025													
Turnover & Startup	6/25/2021	10/24/2026													
F-30 ROW Acquisition, Design, and Construction of Schiel Stormwater Detention Basin	9/16/2015 A	2/10/2025													
Preliminary Engineering	11/28/2018 A	8/4/2023													
ROW & Utility Relocation	9/16/2015 A	1/9/2023													
Design	10/23/2020 A	4/11/2022													
Construction	8/7/2023	2/11/2024													
Turnover & Startup	6/25/2021	2/10/2025													
F-31 Construction of Mueschke West Stormwater Detention Basin Improvements	10/15/2015 A	12/31/2026													
Preliminary Engineering	3/14/2019 A	4/9/2024													
ROW & Utility Relocation	10/15/2015 A	4/14/2025													
Design	2/23/2022	6/28/2023													
Construction	8/12/2024	12/31/2025													
Turnover & Startup	1/1/2026	12/31/2026													
F-32 Construction of Hegar Stormwater Detention Basin Improvements	2/12/2017 A	6/27/2027													
Preliminary Engineering	3/27/2019 A	12/29/2024													
ROW & Utility Relocation	2/12/2017 A	2/7/2023													
Design	7/1/2021	9/23/2024													
Construction	12/30/2024	6/27/2026													

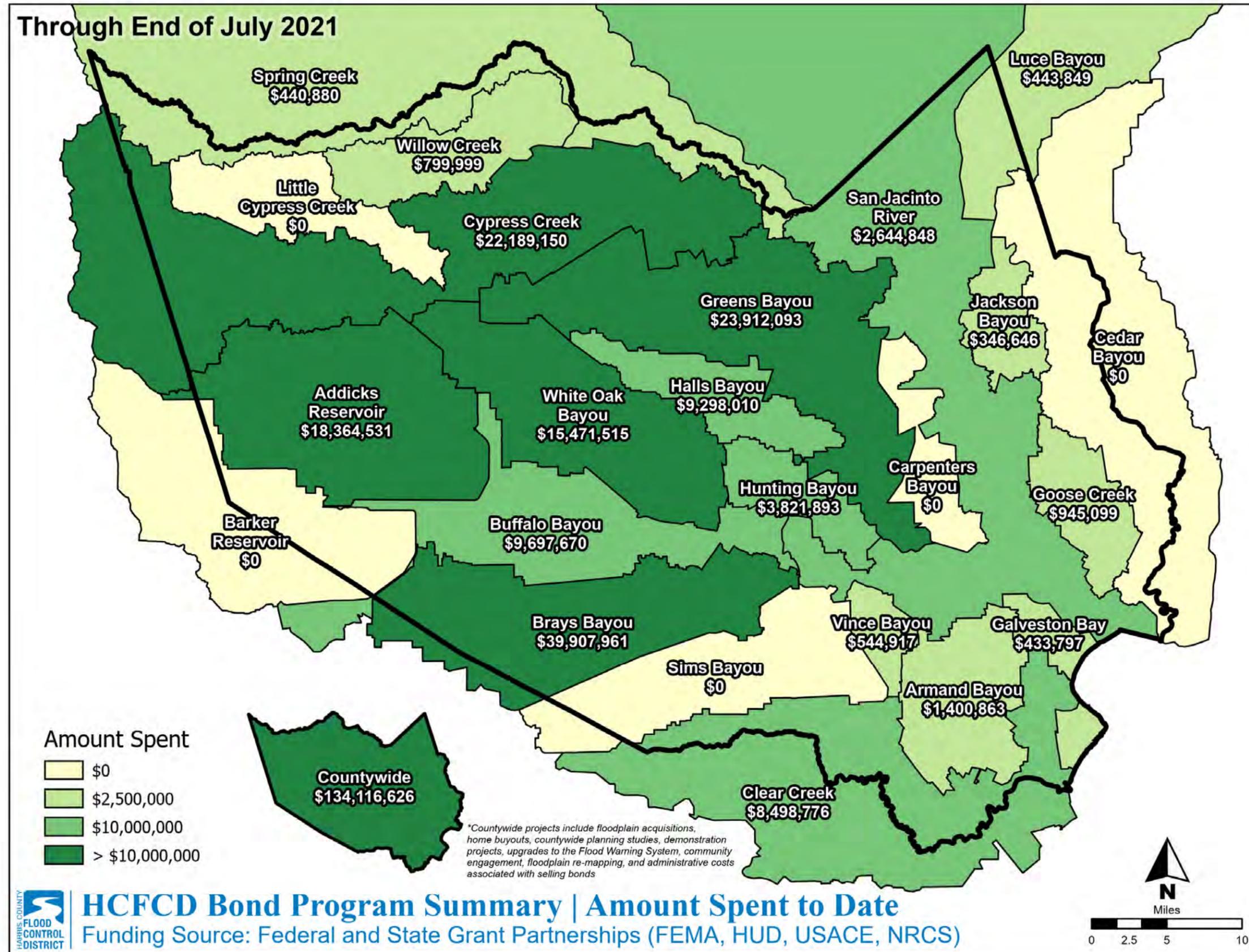
■ Feasibility ■ ROW ■ Construction ■ Future
■ PER ■ Design ■ Turnover & Start-Up

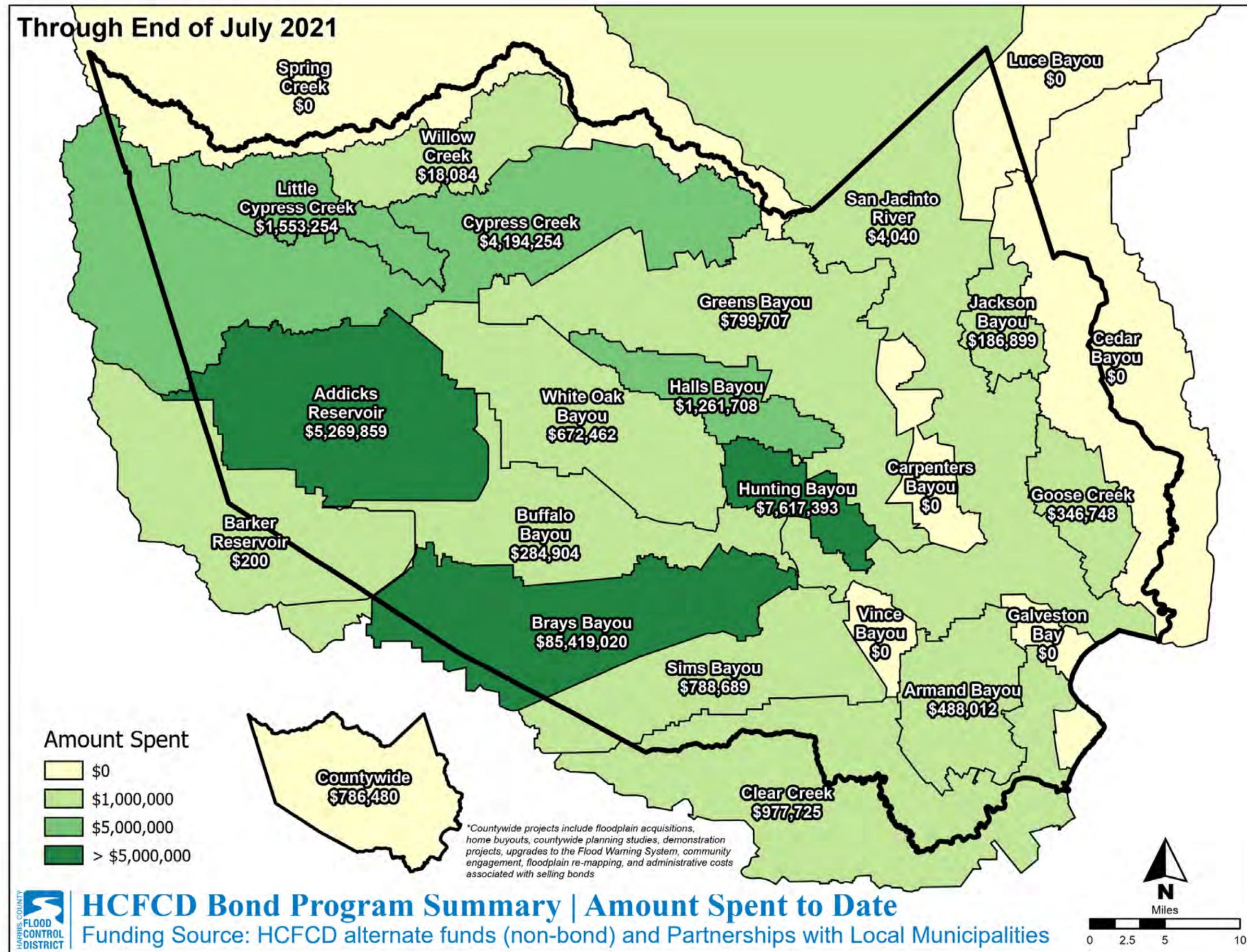
Activity ID	Start	Finish	2018				2019				2020				2021				2022				2023				2024				2025				2026				2027				2028				2029				2030			
			Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q								
Feasibility Study	6/6/2016 A	12/29/2023	[Feasibility Bar]																																																			
Turnover & Startup	4/1/2021 A	3/31/2023	[Turnover & Startup Bar]																																																			
Future	3/1/2023	2/28/2026	[Future Bar]																																																			
Z-06 Bond Administration	8/28/2018 A	2/23/2029	[Feasibility Bar]																																																			
Turnover & Startup	8/28/2018 A	2/23/2029	[Turnover & Startup Bar]																																																			
Z-08 Preliminary Engineering for Large Diameter Tunnels for Stormwater Conveyance	2/27/2019 A	2/28/2025	[Feasibility Bar]																																																			
Feasibility Study	2/27/2019 A	6/11/2021 A	[Feasibility Bar]																																																			
Design	7/11/2019 A	10/5/2019 A	[Design Bar]																																																			
Future	3/1/2023	2/28/2025	[Future Bar]																																																			
Z-09 Upgrades and Expansion of the Harris County Flood Warning System	2/17/2015 A	2/28/2025	[Feasibility Bar]																																																			
Preliminary Engineering	2/17/2015 A	12/3/2021	[PER Bar]																																																			
Design	7/8/2020 A	9/30/2022	[Design Bar]																																																			
Future	3/1/2023	2/28/2025	[Future Bar]																																																			
Z-10 Maapnext - Harris County Floodplain Mapping Updates	8/26/2018 A	12/12/2023	[Feasibility Bar]																																																			
Feasibility Study	8/26/2018 A	12/12/2023	[Feasibility Bar]																																																			
Z-11 Countywide Communications Relating to 2018 Bond and CIP Projects	8/1/2019 A	12/31/2029	[Feasibility Bar]																																																			
Design	8/1/2019 A	12/31/2029	[Design Bar]																																																			
Z-Buyout Federal Grant-Funded Volunteer Home Buyouts	5/16/2018 A	10/4/2028	[Feasibility Bar]																																																			
ROW & Utility Relocation	5/16/2018 A	5/27/2022	[ROW Bar]																																																			
Future	3/1/2022	10/4/2028	[Future Bar]																																																			
Z-StormRep Countywide Storm Repairs in Harris County	4/5/2019 A	10/20/2021	[Feasibility Bar]																																																			
Construction	4/5/2019 A	1/18/2021 A	[Construction Bar]																																																			
Turnover & Startup	7/1/2020 A	10/20/2021	[Turnover & Startup Bar]																																																			
Z-Subdiv Harris County Engineering Department Countywide Subdivision Drainage Improvement Projects	1/7/2021 A	1/3/2022	[Feasibility Bar]																																																			
Feasibility Study	1/7/2021 A	1/3/2022	[Feasibility Bar]																																																			

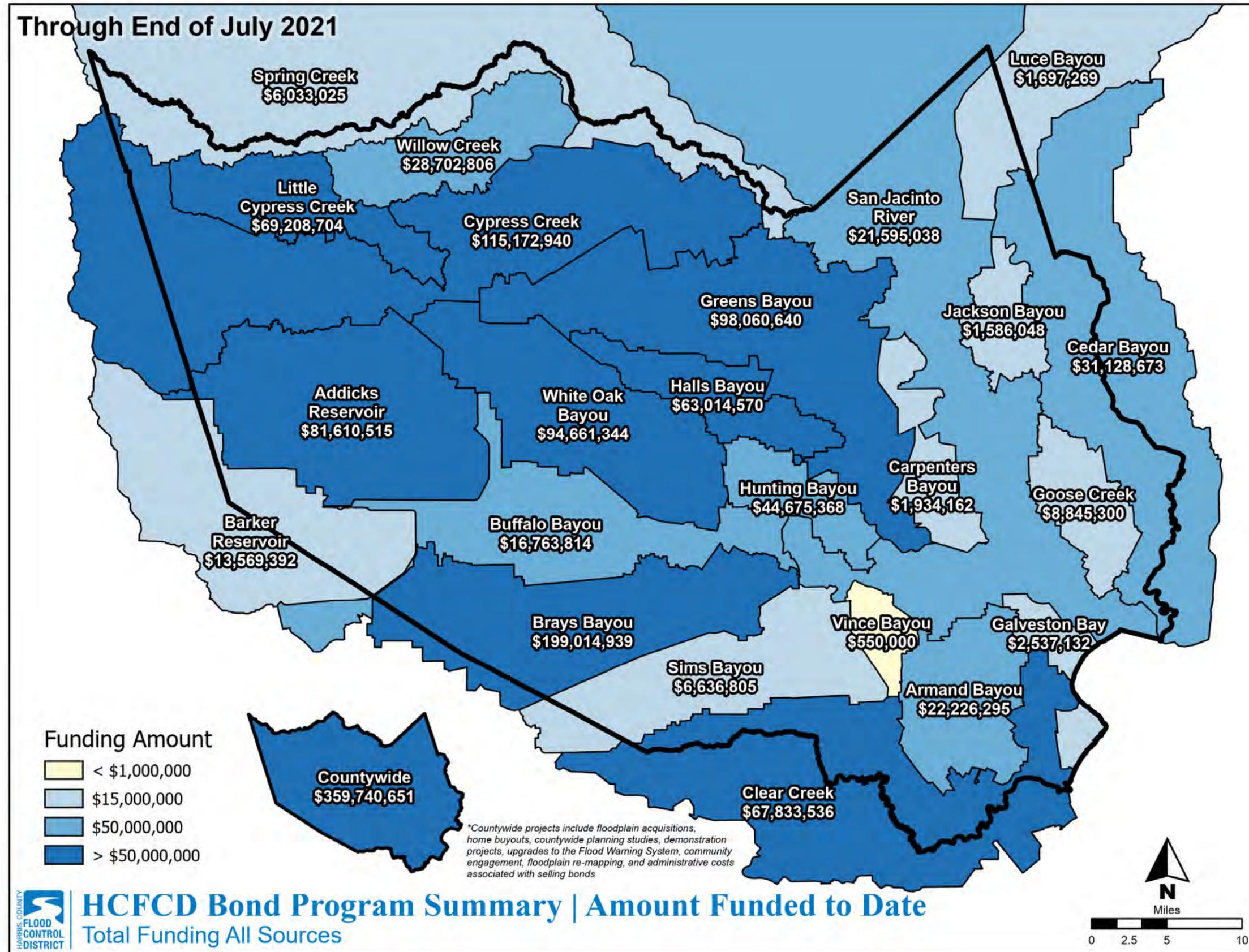
 Feasibility	 ROW	 Construction	 Future
 PER	 Design	 Turnover & Start-Up	

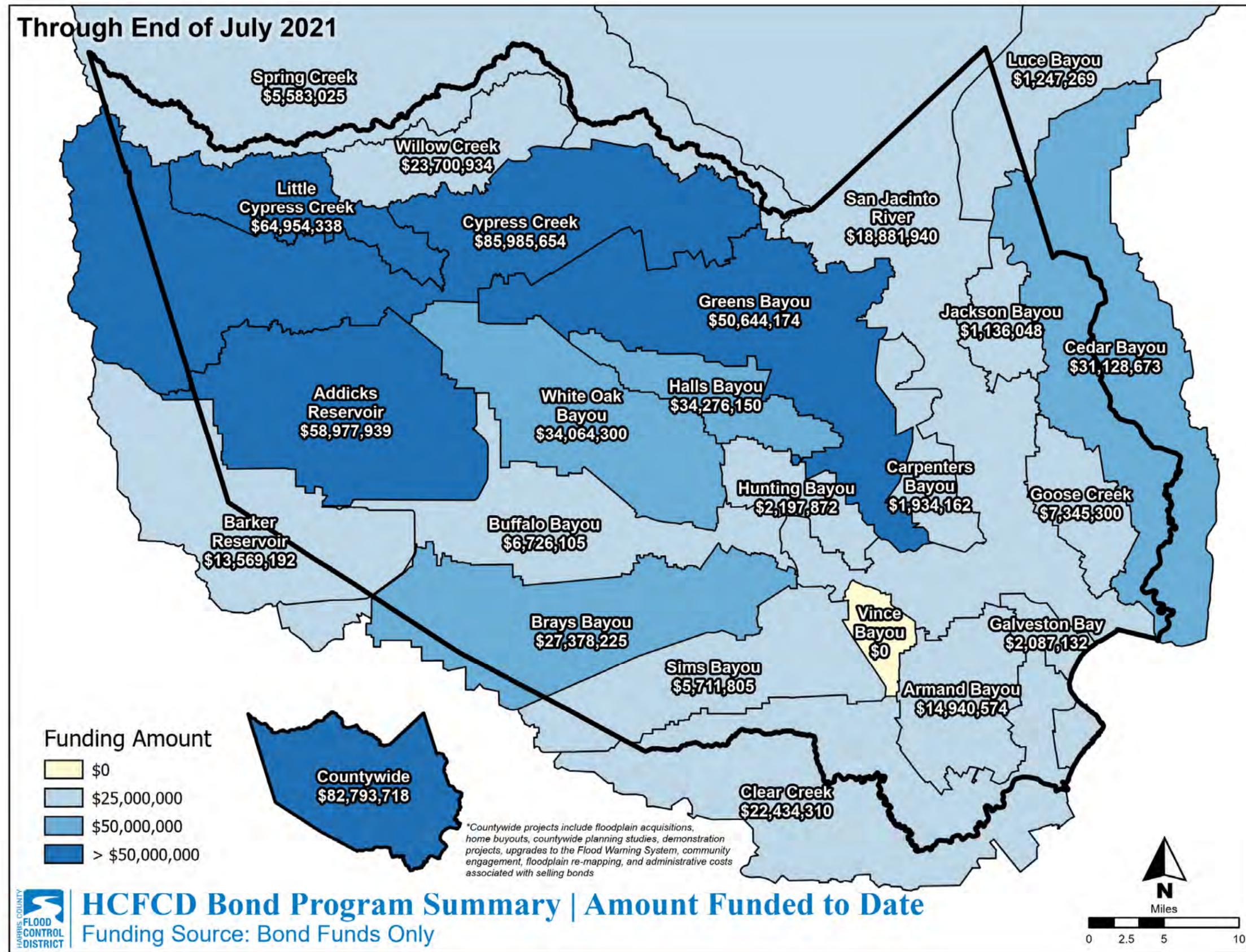


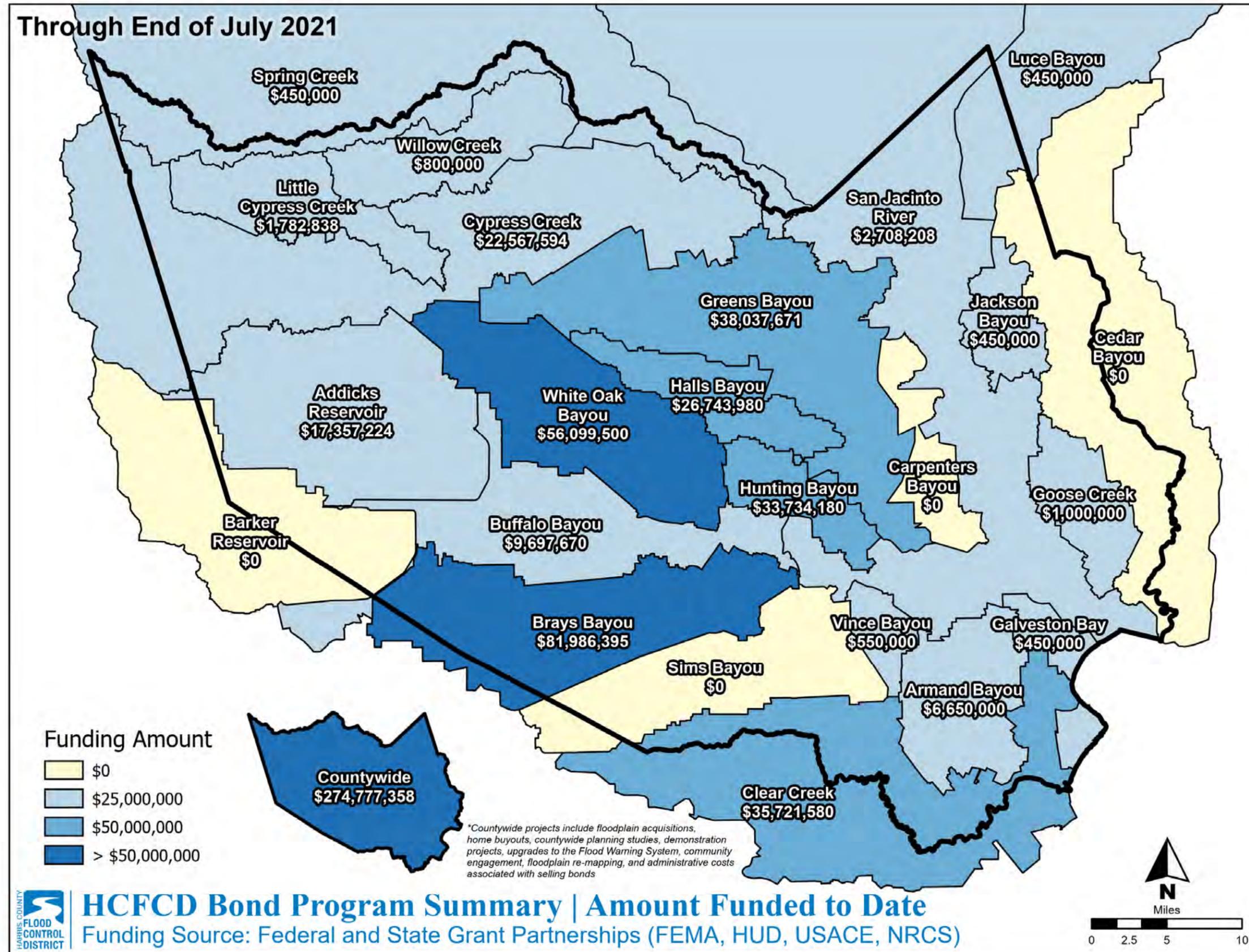


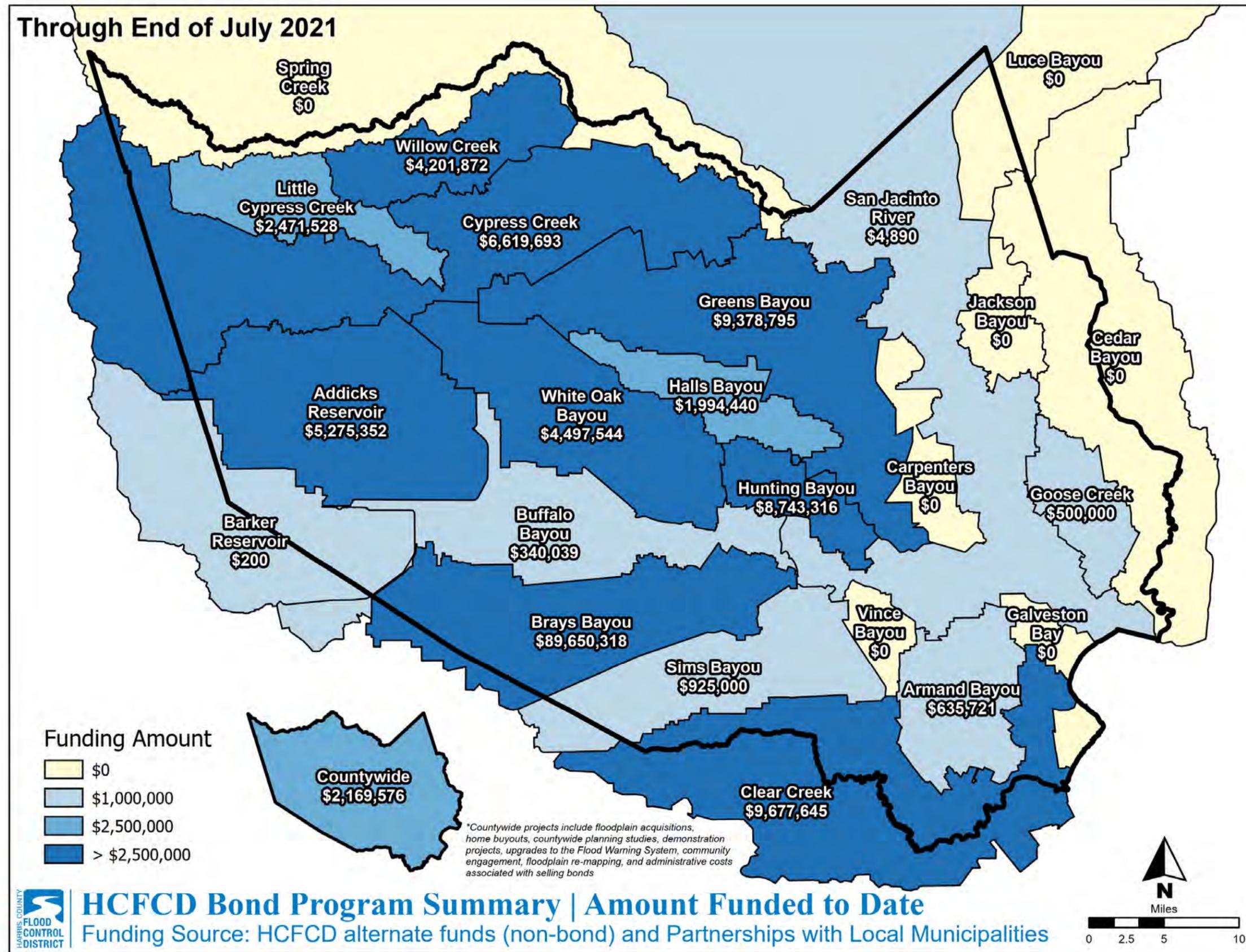














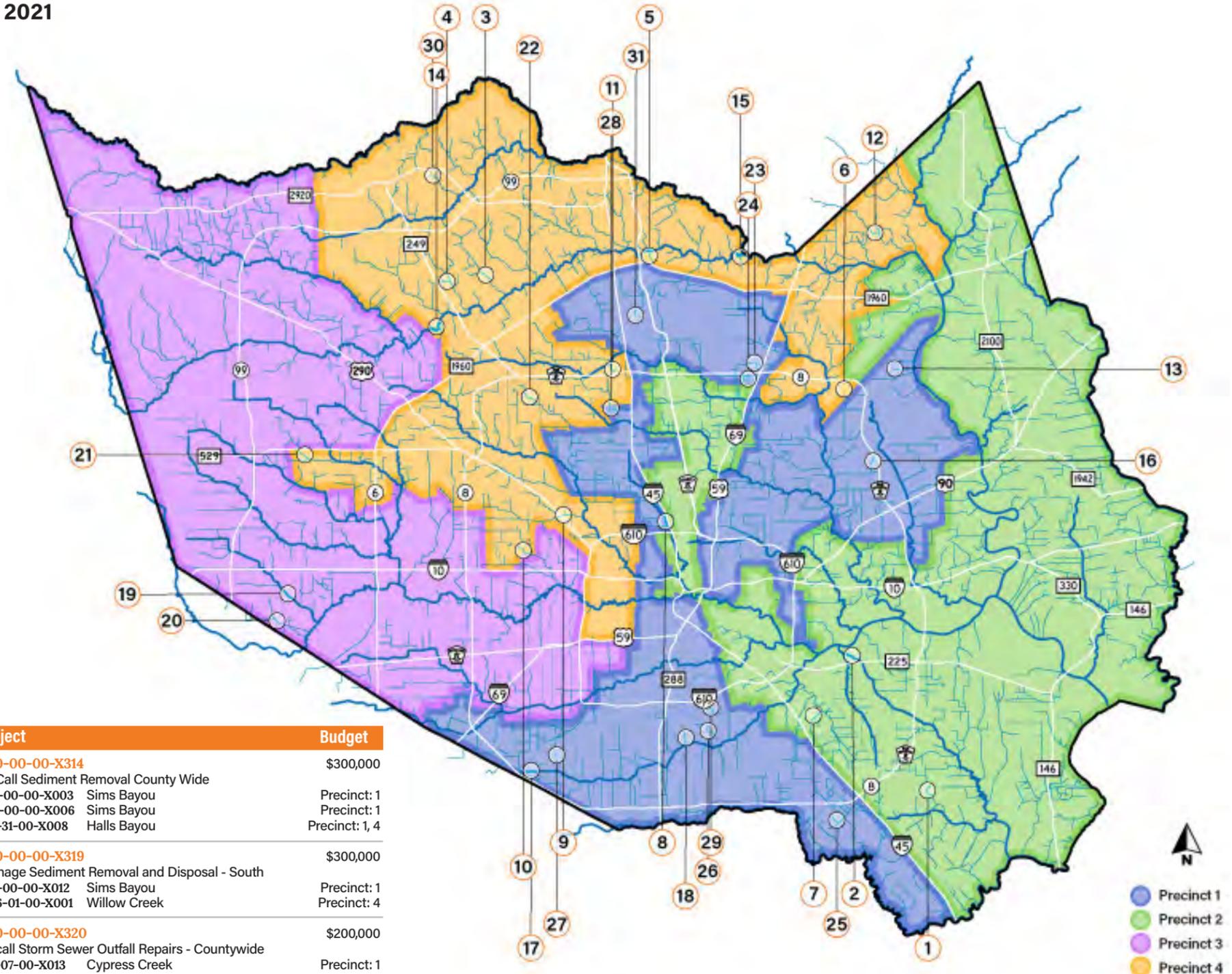
Maintenance Projects

Total Budget: \$207,656,643

Active Construction Projects - August 2021

Project	Budget
1 B504-01-00-X003 Armand Bayou Basin modifications to reduce standing water	\$949,577 Precinct: 2
2 I101-00-00-X018 Vince Bayou Erosion Repairs from Richey St. to Shaver St.	\$1,770,850 Precinct: 2
3 K100-00-00-X084 Cypress Creek Major Maintenance of Cypress Creek Tributaries	\$13,430,031 Precinct: 4
4 K100-00-00-X085 Cypress Creek Major Maintenance of Cypress Creek Tributaries	\$3,158,160 Precinct: 4
5 K117-00-00-X003 Cypress Creek Reinforced Concrete Spillway and Stilling Basin	\$1,770,850 Precinct: 4
6 P700-01-00-X018 Greens Bayou Wetland Mitigation Bank access road repairs	\$1,350,283 Precinct: 4
Z100-00-00-X261 Addicks Watershed De-Silt Project	\$2,703,890
7 C106-03-00-X016 Sims Bayou	Precinct: 2
8 E115-00-00-X048 White Oak Bayou	Precinct: 4
9 W140-00-00-X012 Buffalo Bayou	Precinct: 3,4
10 E115-00-00-X048 White Oak Bayou	Precinct: 1
Z100-00-00-X278 Sediment Removal from Concrete Lined	\$714,550
11 P137-00-00-X006 Halls Bayou	Precinct: 4
Z100-00-00-X280 General Drainage System Repairs - North	\$158,729,715
12 K500-05-00-X007 Cypress Creek	Precinct: 4
13 P121-01-00-X009 Halls Bayou	Precinct: 1
14 G103-33-00-X006 San Jacinto River	Precinct: 4
15 G103-53-00-X002 San Jacinto River	Precinct: 4
16 K500-10-00-X002 Cypress Creek	Precinct: 4
Z100-00-00-X281 General Drainage System Repairs - South	\$16,569,166
17 C100-00-00-X060 Sims Bayou	Precinct: 3
18 C128-00-00-X002 Sims Bayou	Precinct: 3
Z100-00-00-X309 Barker Reservoir	\$5,089,571
19 T101-00-00-X008 Barker Reservoir	Precinct: 3
20 T103-00-00-X002 Barker Reservoir	Precinct: 3
21 U120-01-00-X024 Barker Reservoir	Precinct: 3
Z100-00-00-X312 Drainage Sediment Removal & Disposal - North	\$300,000
22 P133-02-00-X003 Greens Bayou	Precinct: 1
23 P133-03-00-X004 White Oak Bayou	Precinct: 1
24 E121-00-00-X023 White Oak Bayou	Precinct: 4
Z100-00-00-X313 Drainage Sediment Removal and Disposal - South	\$320,000
25 A120-04-00-X009 Clear Creek	Precinct: 1

Project	Budget
Z100-00-00-X314 On-Call Sediment Removal County Wide	\$300,000
26 C122-00-00-X003 Sims Bayou	Precinct: 1
27 C156-00-00-X006 Sims Bayou	Precinct: 1
28 P118-31-00-X008 Halls Bayou	Precinct: 1, 4
Z100-00-00-X319 Drainage Sediment Removal and Disposal - South	\$300,000
29 C118-00-00-X012 Sims Bayou	Precinct: 1
30 M516-01-00-X001 Willow Creek	Precinct: 4
Z100-00-00-X320 On-call Storm Sewer Outfall Repairs - Countywide	\$200,000
31 K111-07-00-X013 Cypress Creek	Precinct: 1



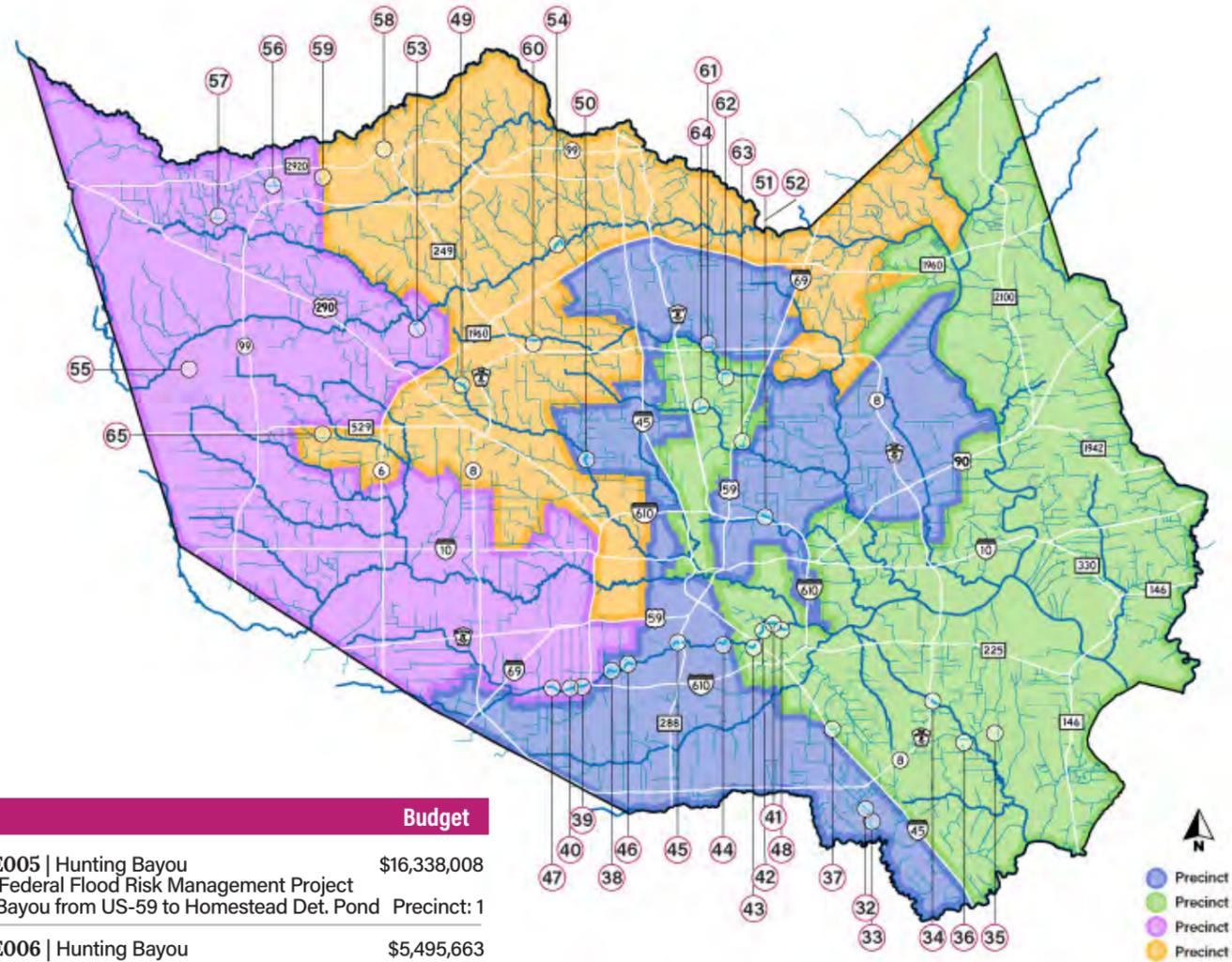


Capital Projects

Total Budget: \$229,571,885

Active Construction Projects - August 2021

Project	Budget
32 A120-00-00-C003 Clear Creek Mud Gully Channel Conveyance Improvements From Basin A520-03-00 to Sagerock Dr.	\$5,755,382 Precinct: 1
33 A520-00-00-E003 Clear Creek Phase 3 Construction of South Belt Stormwater Detention Basin	\$16,988,090 Precinct: 1
34 B100-00-00-E002 Armand Bayou Channel Widening & Deepening Sam Houston Tollway to Spencer Highway	\$4,985,763 Precinct: 2
35 B509-03-00-E002 Armand Bayou Widening and Deepening of Armand Bayou at Beltway 8 East to Spencer Hwy	\$2,111,794 Precinct: 2
36 B513-02-00-E002 Armand Bayou E&R Agreement: Baywood Stormwater Detention Basin Confluence of Units B100-00-00 and B113-00-00	\$5,000 Precinct: 2
37 C106-03-00-C007 Sims Bayou Phase 4 Channel Conveyance Improvement East of I-45 at Shawnee to S. of Edgemoor	\$6,482,958 Precinct: 2
D100-00-00-B030 Brays Bayou Federal Flood Control Project Multi-Site Project	\$20,093,841 Precinct: 1, 3
38 D100-00-00-B027 Brays Bayou Stella Link Bridge	Precinct: 1
39 D100-00-00-B030 Brays Bayou South Rice Blvd. Bridge	Precinct: 3
40 D100-00-00-B031 Brays Bayou Chimney Rock Bridge	Precinct: 3
D100-00-00-B047 Brays Bayou Federal Flood Control Project Multi-Site Project	\$49,164,004 Precinct: 1, 2, 3
41 D100-00-00-B006 Brays Bayou S. 75th Bridge	Precinct: 2
42 D100-00-00-B008 Brays Bayou Lawndale Bridge	Precinct: 2
43 D100-00-00-B009 Brays Bayou Telephone Bridge	Precinct: 2
44 D100-00-00-B0011 Brays Bayou Calhoun Bridge	Precinct: 1
45 D100-00-00-B0015 Brays Bayou Alameda Bridge	Precinct: 1
46 D100-00-00-B026 Brays Bayou Buffalo Speedway Bridge	Precinct: 1
47 D100-00-00-B033 Brays Bayou Hillcroft Bridge	Precinct: 3
48 D100-00-00-B038 Brays Bayou UPRR Galveston Sub	Precinct: 2
49 E100-00-00-E005 White Oak Bayou Phase 4 Channel Conveyance Improvements E. of IH-45 at Shawnee to S. of Edgemoor	\$20,574,645 Precinct: 4
50 E100-00-00-E006 White Oak Bayou White Oak Bayou Federal Flood Risk Reduction Project Channel Modifications - Discrete Segment 106 Cole Creek to Hollister Rd.	\$12,922,567 Precinct: 1, 4



Project	Budget
51 H100-00-00-E005 Hunting Bayou Hunting Bayou Federal Flood Risk Management Project Along Hunting Bayou from US-59 to Homestead Det. Pond	\$16,338,008 Precinct: 1
52 H100-00-00-E006 Hunting Bayou Channel Conveyance Improvements UPRR Yard Upstream to Pickfair St.	\$5,495,663 Precinct: 1
53 K163-00-00-E002 Cypress Creek Channel Conveyance Improvements Cypress Creek Confluence to Cypress N. Houston	\$7,958,998 Precinct: 3
54 K500-23-00-E001 Cypress Creek E&R Agreement: TC Jester Detention Basin East of T.C. Jester Blvd. & South of Cypresswood Dr.	\$1,225 Precinct: 4
55 K700-01-00-Y002 Addicks Reservoir Katy Hockley Mitigation Bank Intersection of Katy-Hockley Road and House-Hahl Road	\$3,495,867 Precinct: 3
56 L512-01-00-E004 Little Cypress Creek Kleb-Mueschke Stormwater Det. Basin Improvements Mueschke Rd., one-mile North of Grand Pkwy	\$2,821,976 Precinct: 3
57 L514-01-00-E002 Little Cypress Creek E&R Agreement: Bauer-Hockley Stormwater Det. Basin Bauer-Hockley Rd. East of Becker Rd.	\$22,000 Precinct: 3
58 M124-00-00-E001 Willow Creek Channel Excavation - Stormwater Detention Basin - Phase I Willow Creek SH 249 to FM 2920	\$3,548,377 Precinct: 4
59 M528-01-00-E001 Willow Creek E&R Agreement: Cypress Rosehill Stormwater Detention Basin Cypress Rosehill Rd. South of Seidel Cemetary Rd.	\$1,000 Precinct: 4

Project	Budget
60 P500-02-00-E013 Greens Bayou Cuten Stormwater Detention Basin Improvements North of Beltway 8 and East of SH-249	\$14,213,282 Precinct: 4
61 P500-04-00-E005 Greens Bayou Aldine Westfield Stormwater Detention Basin - Phase 1 Lauder Road and JFK Boulevard	\$11,420,726 Precinct: 2
62 P500-06-00-E005 Greens Bayou Lauder Stormwater Detention Basin - Phase 1 Lauder Rd. & JFK Boulevard	\$15,744,721 Precinct: 2
63 P518-10-00-E002 Halls Bayou Excavation of Little York Basin & Hopper Basin North to Langely Rd., West to Hirsch Rd., East to US-59 and South to Hartwick Rd.	\$3,511,284 Precinct: 2
64 P518-11-00-E001 Halls Bayou Excavation of P518-11-00 Detention Basin Along Halls Bayou, West of Aldine-Westfield Rd., East of US -59 South of Aldine Mail Rd.	\$5,913,580 Precinct: 2
65 U520-01-00-E002 Addicks Reservoir E&R Agreement: Dinner Creek Stormwater Det. Basin FM-527 and Greenhouse Rd.	\$1,000 Precinct: 4