

City of Savannah: 510 FMP ~ 2020 Annual Action Progress Report

ID	2014 Action	Related to Goal	Address Current Development	Address Future Development	Continue Compliance with NFIP	Mitigation Category	2016 Comments (Activities between: September 2015 to September 2016)	2017 Comments (Activities between: September 2016 to September 2017)	2018 Comments (Activities between: September 2017 to September 2018)	2019 (Activities between: September 2018 to September 2019) * CRS Community Visit down Year	2020 (Activities between: September 2019 to September 2020)
Existing Mitigation Actions Carried Forward from 2010 Plan											
1	Comprehensive evaluation of drainage system and implementation of selected projects.	4	✓	✓		Structural Projects	Strategic plan to advance this goal is to perform basin studies in proper detail to evaluate and conceptualize 100 year improvements for each basin, prioritized by risk of structural flooding. Individual projects remain unfunded to date.	On August 31, 2017 City Council adopted "Savannah Forward: Implementation Plan for City Strategic Plan" that includes having a hydraulic analysis on all City of Savannah basins by 2023. <ul style="list-style-type: none"> By 2025, the City of Savannah will reduce by 25% structure flooding resulting from a 25-year rain event (8 inches of rain within a 24-hour period). By 2013 complete a hydraulic analysis on all City of Savannah basins. By 2025, the City of Savannah will experience a 5% reduction in street flooding resulting from a 25-year rain event (4.9" inches of rain within a 2-hour period). Individual projects remain unfunded to date.	On August 31, 2017 City Council adopted "Savannah Forward: Implementation Plan for City Strategic Plan" that includes having a hydraulic analysis on all City of Savannah basins by 2023. <ul style="list-style-type: none"> By 2025, the City of Savannah will reduce by 25% structure flooding resulting from a 25-year rain event (8 inches of rain within a 24-hour period). By 2013 complete a hydraulic analysis on all City of Savannah basins. By 2025, the City of Savannah will experience a 5% reduction in street flooding resulting from a 25-year rain event (4.9" inches of rain within a 2-hour period). Individual projects remain unfunded to date.	On August 31, 2017 City Council adopted "Savannah Forward: Implementation Plan for City Strategic Plan" that includes having a hydraulic analysis on all City of Savannah basins by 2023. <ul style="list-style-type: none"> By 2025, the City of Savannah will reduce by 25% structure flooding resulting from a 25-year rain event (8 inches of rain within a 24-hour period). By 2013 complete a hydraulic analysis on all City of Savannah basins. By 2025, the City of Savannah will experience a 5% reduction in street flooding resulting from a 25-year rain event (4.9" inches of rain within a 2-hour period). Individual projects remain unfunded to date.	The City continues to follow the CIP projects priorities and revisit updating Basin Studies. The City has contracted with local engineering firms to update three basin studies. Projects are under design: Springfield Canal Basin, Placentia Basin Drainage Improvements and Casey South Drainage Improvements Phase II.
2	Enhance Drainage system maintenance program to unclog storm drains/ clear drainage channels and a public education component on proper yard waste disposal and eliminate brush disposal in canals.	1, 4	✓	✓		Prevention, Natural Resource Protection, Public Information and Outreach	Staff provided Stormwater education presentations for the Lion's Club, the Local Emergency Planning Committee, the Georgia Association of Water Professionals District 8, the Episcopal Diocesan of Georgia, the Georgia and South Carolina Forestry Commissions, Jacob G Smith Elementary School 4th Grade, and 8 other public school 5th grades. Currently, Stormwater efforts have been redirected toward keeping grass cut, while diverting resources from cleaning ditches. Additionally, creeping environmental regulations (WOTUS and state of Georgia stream buffer requirements) are potentially making maintaining ditches an activity requiring environmental permitting.in advance of activity	Finding employees and keeping equipment running has limited Stormwater Management's ability to focus upon anything other than basic response to citizen complaints, much less an enhanced program. Staff resources continue to be a limiting factor to an enhanced program. that said public education has increased through means of social media, utility bill inserts, and our drain marking program. We use the tag "Only Rain Down This Drain" and detail how a blocked drain can lead to flooding.	Staff produced a video educating public "only rain down the drain". It is posted on City's website, played on the City's TV channel, and shown at community meetings when staff presenting.	Staff produced a video educating public "only rain down the drain". It is posted on City's website, played on the City's TV channel, and shown at community meetings when staff presenting.	Staff created an Adopt A Drain program which asks citizens to maintain drains near their home. There is a website drainsav.org with videos that provide background and instruction. The program is further promoted with ads aired on The Weather Channel. Cost of implementation was \$20,000.
3	Ensure the City's new zoning code limits development in floodplains and wetlands to low density, and that a certain percentage of land remains protected as open space to provide a natural buffer from water bodies.	4	✓	✓		Prevention, Natural Resource Protection	The third edition of New Zoning Ordinance Dated Oct 2014 (www/newzo.org) has yet to be adopted. Tom Thomson is retiring as the Director of MPC, but Charlotte Moore, AICP is the Project Coordinator. Over the past year Unincorporated Chatham County and COS have added new language to their respective ordinances.	City of Savannah (COS) is current reviewing the Zoning Ordinance for the COS jurisdiction only. Tom McDonald is working with the City's Zoning Administrator to add open space and low density floodplain language.	City of Savannah (COS) is current reviewing the Zoning Ordinance for the COS jurisdiction only. Tom McDonald is working with the City's Zoning Administrator to add open space and low density floodplain language.	** Completed ** On Sept 1, 2019 City of Savannah (COS) approved the new Zoning Ordinance for the COS jurisdiction only. See: Article 08 Page 80 Sec. 8.10 Cluster Development Standards	** Completed **

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4	Reserve vacant low-lying/flood-prone/wetland areas for open space through acquisition or regulation	4	✓	✓		Prevention, Natural Resource Protection	New draft flood plain maps are incrementally removing low lands from floodplains as BFE's are lowered, making the goal harder to achieve, without writing new regulations.	New draft flood plain maps are incrementally removing low lands from floodplains as BFE's are lowered, making the goal harder to achieve, without writing new regulations.	New draft flood plain maps are incrementally removing low lands from floodplains as BFE's are lowered, making the goal harder to achieve, without writing new regulations.	New draft flood plain maps are incrementally removing low lands from floodplains as BFE's are lowered, making the goal harder to achieve, without writing new regulations.	City continues to have financial stain that prevents the budget to purchase any property. City had to lower the mileage rate and has lost tax revenue due to COVID 19.
5	Evaluate FEMA-purchased properties for the highest use in floodwater/storm water storage.	4	✓	✓		Prevention, Property Protection	The City did use FEMA purchased property to reduce flooding in the Bacon Park neighborhood (Betty Drive Drainage project). Continue to evaluate open space. Additionally, the City plants trees on the property that contribute in absorbing saturated ground water.	City is evaluating has developed a plan to use 4 larger FEMA properties as a tree farm/nursery. The purpose is to supply the City's Park and Tree Department with stock and to train citizens on professional arboriculture practices to increase the skilled labor pool. The growing trees will help absorb flood waters and limit the need to spend resources on mowing.	COS is currently Over the past year, Nick Deffley, Environmental Services and Sustainability Director, has hosted a program meeting and conference call with the steering committee. The program will last up to five years to plant, cultivate, and transplant the trees.	City staff identified three vacant City-owned properties on which to conduct this pilot project: District 1 Augusta Ave. District 2 East Gwinnett District 5 Mills B. Lane Over the course of the next year, the trainees will be participating in 200 hours of on-site training, working toward their Georgia Certified Landscape Professional accreditation provided through UGA's Center for Urban Agriculture . A partnership with WorkSource Coastal will allow apprentices the opportunity to be paid to manage trees at the nurseries after trainings end, and to receive GED training and additional job placement services. Already, the project team has held two recruitment sessions for the landscape management apprentice program, culminating in a 32-hour training workshop for 19 participants in December, 2018.	Trees have been planted and continue to grow. Developers continue to inquire about purchasing some of the lots but are denied due to the deed restrictions placed on the properties.
6	Require in the revision of the Subdivision Ordinance that all new subdivisions dedicate 20% of land as green space.	4	✓	✓		Prevention, Property Protection	City has adopted the Coastal Stormwater Supplement to the Georgia Stormwater Management Manual by reference in its Stormwater ordinance.	City has adopted the Coastal Stormwater Supplement to the Georgia Stormwater Management Manual by reference in its Stormwater ordinance.	City has adopted the Coastal Stormwater Supplement to the Georgia Stormwater Management Manual by reference in its Stormwater ordinance.	City has adopted the Coastal Stormwater Supplement to the Georgia Stormwater Management Manual by reference in its Stormwater ordinance.	NO Change: City has adopted the Coastal Stormwater Supplement to the Georgia Stormwater Management Manual by reference in its Stormwater ordinance.
7	Designate GDOT properties that are unused as areas for flood storage.	4	✓	✓		Prevention, Property Protection	No action this year. Will continue use consider GA DOT properties as a possible solution option when evaluating flooded areas.	GA DOT is clearing areas as a result of Matthew after affects.	GA DOT continues to clear the trees	GA DOT continues to clear the trees	GA DOT continues to clear the trees from I-95, I-16 and I-516 rights-of-way creating open space.
8	Reduce future vulnerability of Vallambrosa area through acquisition or regulation.	2, 4	✓	✓		Prevention, Property Protection	Vallambrosa Plantation is currently being developed toward a natural and hunting preserve by its owner. Draft Flood maps add property that may be developed in this area of concern, without additional development regulations.	Vallambrosa Plantation is currently being developed toward a natural and hunting preserve by its owner. Draft Flood maps add property that may be developed in this area of concern, without additional development regulations.	Vallambrosa Plantation is currently being developed toward a natural and hunting preserve by its owner. Draft Flood maps add property that may be developed in this area of concern, without additional development regulations.	Vallambrosa Plantation is currently being developed toward a natural and hunting preserve by its owner. Draft Flood maps add property that may be developed in this area of concern, without additional development regulations.	The city does not have the funds. However, during the Plan Review Process, the Flood Reviewer encourage builders to elevate the finish floor height to match the previous FIRM designations.

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9	Add additional higher regulations to the Flood Damage Prevention Ordinance that will prohibit enclosures of areas of greater than 300 square feet below the BFE.	4	✓	✓	✓	Prevention, Floodplain Management Regulatory Property Protection	In Summer of 2017 the COS will adoption Preliminary FIRM that are now undergoing the 90 day appeal process phase (July 19 - Oct 16, 2016). At that time the COS will review the change.	Working with the City Engineer to add the language into the Flood Damage Prevention Ordinance when the new FIRM maps are adopted in 2018. One concern is that the development community will not accept the changes by considering the 299 sq. ft.. limit a "taking."	The City has decided not to pursue this requirement at this time. Hopes are that if the City is awarded a grant from NOAA for a Sea Level Rise Study, the higher regulation will be pursued when the study is completed and presented to City Council.	Revisited the higher ordinance language, but upper administration does not want to implement the limitation at this time.	Continue to encourage the higher ordinance language, but upper administration does not want to implement the limitation at this time.
10	Continue acquisition/demolition of high-risk flood-prone properties.	2, 4	✓			Prevention, Property Protection	David Keating, Director of Real Property Department, administers the acquisition program. In 2015 to date the COS has acquired ten (10) structures. Three of the structures are in FEMA's RLA Database. 1108 East Waldburg St, 1312 Eleanor St, 12430 Deerfield Rd, 410 Montclair Blvd, 1310 Eleanor St, 202 Chatham St, 1715 Delesseps Ave, 12411 Woodley Rd, 16 Paradise Dr., and 1320 Eleanor St,	The City did not purchase any dwellings in 2016. I continue maintain a list of properties as citizens inquire a buyout. At this time the City is not actively pursuing properties while the City undergoes budget concerns.	The City did not purchase any dwellings in 2017. I continue maintain a list of properties as citizens inquire a buyout. At this time the City is not actively pursuing properties while the City undergoes budget concerns.	The City did not purchase any dwellings in 2018. I continue maintain a list of properties as citizens inquire a buyout. At this time the City is not actively pursuing properties while the City undergoes budget concerns.	The City did not purchase any dwellings in 2019. I continue maintain a list of properties as citizens inquire a buyout. At this time, the City is not actively pursuing properties while the City continues to have budget concerns.
11	Evaluate the feasibility of a floodproofing program for homes where acquisition is not an option – especially historic structures.	2, 4	✓			Prevention, Property Protection	The COS continues to promote homeowners to contact City staff for "on site visit" through the annual community outreach. When contacted, City staff provided retrofitting advice. In 2015-2016 City staff were contacted and provided advice John Seaman (Montgomery at West Hall St) and Mr. Gillman at 2013 W Waldburg.	The city did not pursue purchasing any flooded structures this year. However, Lynette Allen, of Real Property Services Department continues to review potential sites for possible elevation vs. demo. Additionally, the COS continues to promote in all the annual outreaches that business and homeowners should contact Tom McDonald, CFM for an "on site visit" to provide retrofitting recommendations. When contacted, City staff provides retrofitting advice that includes elevation of the dwelling. In 2016-2017 City staff were contacted and provided advice Patrick Symmed (10611 Abercorn)	The City continues to advise home and business owners about retrofitting floodproofing measures to protect their structures from flooding in annual outreach publications, meetings, and phone calls. City continues to promote "on site visit" to provide retrofitting recommendations.	The City continues to promote flood proofing techniques for structures that if applied could lower flood damage costs, thereby, potentially preventing a home from being substantially damaged. Also, during the plan review of building permit applications, City encourages owners/developers to implement flood protection techniques in areas of high flood risks.	The City continues to advise home and business owners about retrofitting floodproofing measures to protect their structures from flooding in annual outreach publications, meetings, and phone calls. City continues to promote "on site visit" to provide retrofitting recommendations.
12	Target repetitive loss structures by conducting a detailed study as outlined in the RLAA.	2	✓			Prevention, Property Protection	In 2015 to date the COS has acquired ten (10) structures. Three structures are in FEMA's RLA Database: 12430 Deerfield Rd_ 202 Chatham St_1715 Delesseps Ave,	840 letters were mailed to the Repetitive Loss area encouraging owners to contact the City for mitigation solutions. City conducted site investigation of known flooded structures caused by Hurricane Matthew and mailed a flood protection information letter along with a questionnaire to capture owner's flooding data.	On August 1, 2018 The City mailed 840 letters to the Repetitive Loss Area encouraging owners to contact the City for mitigation solutions and Flood Insurance information..	As part of the 2018/2019 RLAA program, the City mailed 840 letters to the Repetitive Loss Area encouraging owners to contact the City for mitigation solutions and Flood Insurance information.	Completed and emailed the ISAA form to FEMA, requesting for the updated RL Properties data. Awaiting for response. As part of the 2019/2020 RLAA program, the City mailed 801 letters to the Repetitive Loss Area that encouraging owners to contact the City for mitigation solutions and Flood Insurance information.

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13	Target critical facilities for flood mitigation.	3	✓			Prevention, Property Protection, Emergency Services	Critical facilities continuing to be checked for compliance with the Flood Prevention Ordinance. This year several properties for fire and police stations were rejected because the property or access routes fall within the 500 year floodplain.	Critical facilities continuing to be checked for compliance with the Flood Damage Prevention Ordinance. This year several properties for fire and police stations were rejected because the property or access routes fall within the 500 year floodplain.	Critical facilities continuing to be checked for compliance with the Flood Damage Prevention Ordinance. This year several properties for fire and police stations were rejected because the property or access routes fall within the 500 year floodplain. However, due to the City of Savannah and Chatham County Police Department demerger, two precedents were place in the SFHA to meet the deadline.	Continuing to implement previous years activities that include promoting protection of the Critical Facilities through outreaches and advertisement of onsite inspections. As part of the 2018/2019 outreach program that include newspaper inserts, mailing to the floodplain, and letters to the RLA, encouraging owners to contact the City for mitigation solutions and Flood Insurance information.	Continuing to implement previous years activities that include promoting protection of the Critical Facilities through outreaches and advertisement of onsite inspections. As part of the 2019/2020 outreach program, that include newspaper inserts, mailing to the floodplain, and letters to the RLA area, the City encourages owners to contact the City for mitigation solutions and Flood Insurance information.
14	Post flood mitigation information at libraries, post offices, heavily trafficked municipal buildings and community centers. Develop and post "potential high water mark" signs.	1	✓		✓	Public Information and Outreach	The City continues to provide updated flood information in the library and Development Services buildings. I organized to have Ms. Lynn Keating of FEMA Region IV to present a presentation about FEMA' Highwater Mark at the Local Coastal CRS user Group meeting. I forward the information to the City's Emergency Manager for his input.	The City continues to provide updated flood information in the library, City buildings and CEMA office. Tom McDonald is working with City's new Emergency Manager to seek a grant for implementing the High Water Mark program.	The City continues to provide updated flood information in the library, City buildings and CEMA office. Tom McDonald and David Donnelly, Emergency Manager, have sidelined the High Water Mark program to concentrate on the Georgia Tech University's "Smart Sea Level Sensor Project." The program will add several tide sensors and possibly rain gages through out Savannah and Chatham County. Local Emergency and City storm water personnel will have access to an app that provides real time tide levels and rain fall measures. Form More information see: http://smartcities.ipat.gatech.edu/chatham-county .	Continue to support the Georgia Tech University's "Smart Sea Level Sensor Project." Over the past year the program has hosted two community meetings, installed over 30 tide sensors, and created a website. Local Emergency and City storm water personnel will have access to an app that provides real time tide levels and rain fall measures. We have included temperature and barometric pressure sensors, and hope to include rain gages. For more information see: https://www.sealevelsensors.org/ to see the gage data visit https://dashboard.sealevelsensors.org	Worked with Public Information Office with the outreach to the community and letters to the RL area. Signed a contract with Wood consulting to help develop the City's Program for Public Information (PPI).
15	Continue to enhance newly implemented City website "flood protection information" webpage.	1	✓		✓	Public Information and Outreach	The City's Flood Protection Information web page (savannahga.gov) has been greatly enhanced to provide flooding information, FMP 2015, Historic FIRMS, Flood Damage Prevention Ordinance, Elevation Certificates, LOMA, river gages, alternative street flooding routes, pertinent web links and 2016 Preliminary Maps.	The City is currently undergoing a new web design. Over the year Tom McDonald maintained or added to the web site Preliminary maps, links to new flood information websites, updates to the flood ordinance, post disaster insurance adjusting training, and 311 on line survey for reporting flooding.	The city continues to update the website. This years activity includes a new AE Floodplain Worksheet for building permits, Hurricane Irma information, and updates of the 2018 Preliminary FIRM that will go into effect August 16, 2017.	The City continues to update the website. Promoting CEMA's 2019 update of the Multi Hazard Plan, revised 2018 FIRM panels with an effective date of August 16, 2018, new GIS public iMap, Georgia Tech University's "Smart Sea Level Sensor Project, and Storm water Department local flood studies.	Added new EC, LOMA, FEMA Fact Sheets, building permit forms, and the 2018 FIRMS. Have links to the Sea Level Sensor web page and other Floodplain related sites
16	Continue coordination with CEMA, NWS and USGS to enhance flood warning system.	4	✓	✓		Emergency Services	CEMA continues to update the warning system and other promotional products through Federal grants. CEMA now has an App "Chatham EMA" that they forward NWS weather alerts.	During the Hurricane Matthew and Irma CEMA and the City of Savannah posted updated storm information on their websites.	During the Hurricane Matthew and Irma CEMA and the City of Savannah posted updated storm information on their websites.	2019 activities include promoting CEMA Alert system: alerts@swiftreach.com plus the City and Georgia Tech University's "Smart Sea Level Sensor Project."	2020 activities include promoting CEMA Alert system: alerts@swiftreach.com, plus the City and Georgia Tech University's "Smart Sea Level Sensor Project." I have an Twitter and Facebook account that I retweet the different agencies' hazard warnings.
17	Continue flood preparedness and outreach activities at local community events	1	✓		✓	Public Information and Outreach	Continued to be done. GIS day: Wednesday November 18, 2015. Earth Day: Saturday - April 16, 2016 & Home Depot Day: Saturday - May 21, 2016	Continued to be done. GIS day: Wednesday November 16, 2016. Earth Day: Saturday - April 15, 2017 & Home Depot Day: Saturday - June 3, 2017	Continued to be done. GIS Day: Wednesday - Nov. 15, 2017; Earth Day: Saturday - April 21, 2018; and Home Depot Expo: Saturday - June 18, 2018.	Continued to be done. GIS Day: Wednesday - Nov. 14, 2018; Earth Day: Saturday - April 20, 2019; and Home Depot Expo: Saturday - June 1, 2019.	Continued to register but some events were canceled due to COVID -19 in hopes to reschedule at a later date in the year. GIS Day: Wednesday - Nov. 13, 2019; Earth Day: Saturday - April 19, 2020; and Home Depot Expo: Saturday - June 16, 2020.

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18	Mail information to all structures in the floodplain promoting flood insurance and sound floodplain management practices.	1	✓		✓	Public Information and Outreach	** Completed **	** Completed **	** Completed **	** Completed **	** Completed **
19	Organize public information campaign and organize public cleanups to reduce litter/debris in storm drains.	1	✓		✓	Public Information and Outreach, Natural Resource Protection	Staff organized the annual river clean up in conjunction with the statewide River's Alive effort. In addition a bill insert was included in the utility bills for 78,000 customers and in the community newspaper outreach. The theme was "If it is on the ground, it is in the water" highlighting the importance of pet waste cleanup and natural or no fertilizer application. In 2016 Staff will implement an anti-litter campaign focused on a tributary of the Vernon River.	Due to hurricane Mathew the 2016 annual river cleanup usually held in October was pushed back to April 2017. The October 2017 is scheduled and if completed will account for 2 events in 2017. These events are in conjunction with the statewide River's Alive effort.	In addition to a video staff produced educating public "only rain down the drain", staff conducted a pilot program paying the homeless to pick up litter in wetlands and waterways. The pilot is still underway but hoping to apply for grant funds to increase the budget and lengthen the project.	In addition to a video staff produced educating public "only rain down the drain", staff conducted a pilot program paying the homeless to pick up litter in wetlands and waterways. The pilot is still underway but hoping to apply for grant funds to increase the budget and lengthen the project.	No Change: In addition to a video staff produced educating public "only rain down the drain", staff conducted a pilot program paying the homeless to pick up litter in wetlands and waterways. The pilot is still underway but hoping to apply for grant funds to increase the budget and lengthen the project.
20	Conduct public outreach and direct technical assistance – particularly targeting repetitive loss properties and discussion of potential funding.	1, 2	✓		✓	Public Information and Outreach	One of the ways to reach parents is through their children. COS has provided several educational presentation in the school system to include Heard Elementary school, Jacob G Smith Elementary School 4th Grade, and 8 other public school 5th grade. Additional presentations include the Lion's Club, Episcopal Diocesan of Georgia, and Savannah Realtors. City Staff held neighborhood meeting for areas that flood such as Bacon Park and Liberty City	Staff has completed presentations and workshops at the following events: Jacob G Smith, Heard, and May Howard Elementary Schools; Savannah's Earth Day Festival, Savannah's March for Science Event, Savannah's Southern Family Food and Music Festival, Savannah High Special Ed Class, Highlands High School Special Ed Class, Ardsley Chatham Crescent Neighborhood Association, YFace Festival (Youth For A Cleaner Environment), and COS employees.	Staff has completed presentations and workshops at the following events: Heard Elementary School, Elementary Schools; Edgemere/Sackville neighborhood; Savannah's Earth Day Festival, Low Country Improvement Home and Garden Show. Staff completed a New Water Customer Packet which is given to every new and existing water customer. The packet includes information on Water as well as Stormwater and Sewer. 4000 were distributed last year and approximately 10,000 will be distributed annually. Additional Outreaches by the City's Stormwater Department. * Savannah State Summer Campers 30 - 4th thru 9th grades * City of Savannah Police Summer Campers 25 - 5th thru 12th grades * Kicklighter Summer School 30 -1st thru 7th grades * Heard Elementary School 40 - 4th graders * Pooler Elementary School 40 - 4th graders * Hancock Elementary School 250 - 1st thru 5th graders * Oglethorpe Charter School - 40 - 7th Graders * The Southeastern Forestry Commissioners 25 * 5 Home School Groups totaling 18 * St Peters Engineering Club 15 6th - 8th graders * Boy Scouts 30 scouts	Staff has completed presentations and workshops at the following events: Heard Elementary School, Elementary Schools; Edgemere/Sackville neighborhood; Savannah's Earth Day Festival, Low Country Improvement Home and Garden Show. Staff completed a New Water Customer Packet which is given to every new and existing water customer. The packet includes information on Water as well as Stormwater and Sewer. 4000 were distributed last year and approximately 10,000 will be distributed annually. Additional Outreaches by the City's Stormwater Department. * Savannah State Summer Campers 30 - 4th thru 9th grades * City of Savannah Police Summer Campers 25 - 5th thru 12th grades * Kicklighter Summer School 30 -1st thru 7th grades * Heard Elementary School 40 - 4th graders * Pooler Elementary School 40 - 4th graders * Hancock Elementary School 250 - 1st thru 5th graders * Oglethorpe Charter School - 40 - 7th Graders * The Southeastern Forestry Commissioners 25 * 5 Home School Groups totaling 18 * St Peters Engineering Club 15 - 6th - 8th graders * Boy Scouts 30 scouts	Staff initiated a pilot program with Savannah Chatham County Public School middle school teachers on water education. The program included a digital interface that the teacher used to enhance the Georgia Standards for 6th grade. Four schools and 750 students participated though it was cut short due to COVID 19 closers for schools. At the time the baseline knowledge of the students on stormwater increased 24%. The plan is to continue the program as the teacher feedback was very positive. Cost of program is \$8 per child. This includes the cost to build the digital program and prizes/incentives for the teachers and students.

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21	Establish program aimed at providing flood protection assistance to owners of flood-prone properties, including site visits and advice on retrofitting and other flood mitigation measures.	1,2	✓		✓	Property Protection, Public Information and Outreach	The City has set up a program to provide the information through the three annual written outreaches (community newspaper insert, mailer to the SFHA flyer, and letters to the RLA). The publications also include informational topics addressing potential funding sources. Additionally, as part of the program, the City participates at the annual Hurricane Expo and Earth Day events.	The City has set up a program to provide the information through the three annual written outreaches (community newspaper insert, mailer to the SFHA flyer, and letters to the RLA). The publications also include informational topics addressing potential funding sources. Additionally, as part of the program, the City participates at the annual Hurricane Expo and Earth Day events.	The City has set up a program to provide the information through the three annual written outreaches (community newspaper insert, mailer to the SFHA flyer, and letters to the RLA). The publications also include informational topics addressing potential funding sources. Additionally, as part of the program, the City participates at the annual Hurricane Expo and Earth Day events. Citizens can contact the City's 311 Customer Service to request a site visit from a supervisor within the Stormwater Department to discuss their local storm water flooding concerns.	New: Promoted on site visits during the Sea Level Rise public meeting. The City has set up a program to provide the information through the three annual written outreaches (community newspaper insert, mailer to the SFHA flyer, and letters to the RLA). The publications also include informational topics addressing potential funding sources. Additionally, as part of the program, the City participates at the annual Hurricane Expo and Earth Day events. Citizens can contact the City's 311 Customer Service to request a site visit from a supervisor within the Stormwater Department to discuss their local storm water flooding concerns.	Completed. The City continue to encourage citizens to contact the Development Services office for Site Visits from a Certified Floodplain Manager (CFM). Additionally, Development Services has hire Jian Fei, CFM that can help with storm water questions and site visits.
22	Educate the public on the use of permeable concrete paving and establishment of rain gardens to reduce flash flooding impacts.	1	✓	✓	✓	Public Information and Outreach	Staff assisted Jacob G Smith Elementary School install two demonstration rain gardens in 2016. Staff is working on designs for the new municipal building on Liberty Street. The City has Bi weekly Site Plan Review meeting for engineers and developers. During the meeting the attendees are informed of permeable products they can utilize in their development.	City Staff wrote articles that were published in neighborhood newsletters and magazines in the impacts of impervious surfaces to water quality and flooding. City continues to promote permeable products during Site Plan Review meeting with designers and owners.	Staff is working on designs for the new municipal building on West Gwinnet St. The City has Bi weekly Site Plan Review meeting for engineers and developers. During the meeting the attendees are informed of permeable products they can utilize in their development. The City has been awarded a FEMA Mitigation Grant the will utilize purchased Repetitive Loss properties to grow trees that will be transplanted through out Savannah. The Zoning ordinance provided incentives to language for Green Roof construction. Staff received a Coastal Incentive Grant to design green infrastructure in a popular mid-town shopping center and a green roof located in the tourist downtown district. Both of these projects when completed will have public information and an education component.	Staff is working on designs for the new municipal building on West Gwinnet St. The City has Bi weekly Site Plan Review meeting for engineers and developers. During the meeting the attendees are informed of permeable products they can utilize in their development. The City has been awarded a FEMA Mitigation Grant the will utilize purchased Repetitive Loss properties to grow trees that will be transplanted through out Savannah. The Zoning ordinance provided incentives to language for Green Roof construction. Staff received a Coastal Incentive Grant to design green infrastructure in a popular mid-town shopping center and a green roof located in the tourist downtown district. Both of these projects when completed will have public information and an education component.	Last year the City sponsored a rain barrel awareness program. Stormwater Department has an "Public Permeable Paver Program - DR0134." This project creates water quality stormwater management units for purchase by developers in the Bilbo basin and downtown area. City streets get rehabilitated with the Permeable Paver Program on a just in time schedule as developers use the program to purchase water quality credits, in the hard to develop historic downtown area.

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23	Interview and coverage on local news, in newspaper articles and through advertisement to promote flood mitigation.	1	✓		✓	Public Information and Outreach	We will probably have to lead this, as only time news media want to talk about this is when we have a storm approaching, and cannot divert resources to media contacts.	Tom McDonald was interview few time: WTGS on September 1, 2017 and WSAV on July 18, 2016 and May 21, 2016	Savannah had a major rain event on July 20, 2018 during rush hour that flooded several streets, trapping several vehicles in the flood waters. The local TV station covered the flooding event.	Tom McDonald was interview couple time: WTOG on May 10, 2019 while installing Sea Level Sensors and WJCL on May 11, 2019 at Garden City and Surrounding Area Outreach. Additionally, several media stations and newspaper reporters were at COS / GT Georgia Sea Level Sensor community meeting May 16, 2019.	July 2: <i>Thousands of Chatham Residents Think They're Safe from Flooding. They Aren't</i> an article Michael Blakey featured in a newspapers interview. https://www.savannahnow.com/news/20200702/thousands-of-chatham-residents-think-theyrsquore-safe-from-flooding-they-arenrsquot . The nonprofit First Street Foundation combined a series of nationwide flooding models into one tool to create FloodFactor.com. July 29: Tom McDonald and Michael Blakely coordinated an interview with Ms. JoAnn Merrigan of a local TV station, WSAV. The interview was held at 112 Winchester Drive as a backdrop because the house was recently demolished as part of a FEMA buy out. Michael talked about contacting local floodplain managers concerning flooding, Flood Insurance, home visits, FEMA grants, and other flooding topics.
24	Provide flood mitigation update and outreach to neighborhood groups and other interested parties via an email group address.	1	✓		✓	Public Information and Outreach	No progress	CEMA send out emails. Continue to encourage citizens view the City website.	CEMA and City of Savannah send out emails, tweets, and posting on Face Book. Continue to encourage citizens view the City website.	CEMA and City of Savannah send out emails, tweets, and posting on Face Book. Continue to encourage citizens view the City website. April 4, 2019 coordinated a Sea Level Rive Sensor webinar.	CEMA continues to send out notices. The City Flood Protection Webpage is changed up to keep the material fresh.
25	Organize annual/semi-annual single-focus public workshops/meetings to discuss flood mitigation.	1	✓		✓	Public Information and Outreach	We conduct project focused meetings with the public as our projected. July 19 April 27, 2016 for the Casey canal. March 23, 2-15 Leedsgate Neighborhood.	Sent out reach notices after Hurricane Matthew and Stormwater Department has neighborhood meetings	Sent out reach notices after Hurricane Matthew and Stormwater Department has neighborhood meetings	As part of GA Tech and COS's Sea Level Sensor project, held several public community meetings (October 26, 2018; January 29, 2019 and May 16, 2019 requesting feed back from attendees of flooded locations to install sensors.	As part of GA Tech and COS's Sea Level Sensor project, held several public community meetings, October 26, 2018; January 29, 2019 and May 16, 2019, requesting feed back from attendees of flooded locations to install sensors.
26	Provide flood protection assistance to vulnerable populations (elderly, disabled and low-income individuals) so they can purchase flood insurance.	1	✓		✓	Public Information and Outreach	No change at this time	No change at this time	No change at this time due to funding	No changed, but during Home Depot and Garden City's outreaches talked with several sensor citizens mentioning how difficult payment are on a fixed income. Continue to encourage them to talk with their State representative.	Typically can accomplish this task through public outreaches, but due to COVID 19 personal activities where prohibited since March 2020. Hope to return to normal schedule soon.
27	Strategically focus SPLOST funds toward identified drainage improvement projects.	4	✓	✓		Structural Projects	Over \$300 M in improvements have been identified and remain unfunded	Over \$300 M in improvements have been identified and remain unfunded. However the On August 31, 2017 City Council adopted "Savannah Forward: Implementation Plan for City Strategic Plan" that includes reviewing funding options.	Over \$300 M in improvements have been identified and remain unfunded. However the On August 31, 2017 City Council adopted "Savannah Forward: Implementation Plan for City Strategic Plan" that includes reviewing funding options.	Over \$300 M in improvements have been identified and remain unfunded. However the On August 31, 2017 City Council adopted "Savannah Forward: Implementation Plan for City Strategic Plan" that includes reviewing funding options.	ON Going: The City has 12 CIP line Items addressing failing pipes, drainage studies, pavers replacement, and increase pipe compacity.

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28	Complete AW-501 forms for acquired Repetitive Loss properties to remove from FEMA Repetitive Loss Property list (or classify each as "mitigated").	2	✓		✓	Prevention, Property Protection	_* 12430 Deerfield Rd (HMGP 1973) * 202 Chatham St & 1715 Delesseps Ave. (PDM 2011) and * 404 E 58TH ST Private owner.	No changes this year from 2016	Additional addresses have been removed from the 2017 RL Database 6 Liberty Heights Dr. and 207 Fell St	No change this year from 2018	Completed Annually: The City has yet to received the latest requested database due to FEMA new policy, but based on 2018 database no changes from 2019-2020 years.
29	Promote flood insurance through community notification to citizens and business personnel by newspapers, letters, and public outreach.	1	✓		✓	Public Information and Outreach	Newspaper publication in Sunday's paper October 25, 2015. Outreach to the SFHA completed on December 4, 2015	Newspaper publication in Sunday's paper October 7, 2016 . Outreach to the SFHA completed on November 18, 2016	Flood Insurance information is part of every flood determination letter and included in other outreaches to include the August 1, 2018 mailing of 840 letters to the Repetitive Loss Area, October 28, 2017 community outreach publication through Savannah Morning News, and December 18, 2017 mass mailing outreach to all structures in the SFHA.	Flood Insurance information is part of every flood determination letter and included in other outreaches to include the September 20, 2019 mailing of 840 letters to the Repetitive Loss Area, December 2, 2018 community outreach publication through Savannah Morning News, and December 27, 2018 mass mailing outreach to all structures in the SFHA.	Flood Insurance information is part of every flood determination letter and included in other outreaches to include the September 13, 2020 mailing of 801 letters to the Repetitive Loss Area, December 8, 2019 community outreach publication through Savannah Morning News, and January 3, 2020 mass mailing outreach to all structures in the SFHA.
31	Development Services Department reflect new conditions through the FEMA LOMR process.						Funding request for LOMA for Abercorn/Deerfield area remains unfunded. The Pipe Maker's Canal received a LOMR 16-1717P. Although it the LOMR pertains to the City of Pooler, GA the canal effects Savannah.	No additional projects completed since 2016.	As part of updating the Flood Damage Prevention Ordinance, language is being added to ensure a LOMR is completed by the owner prior to completing a development that alters a watercourse. If the LOMR has not been approved by FEMA prior to site acceptance, the owner shall post a bond that the COS can use to complete the necessary LOMR.	Required the School board to provide a BFE in an "Unnumbered A" zone.	Received LOMR, Effective date Oct 13, 2020, for development over five acres in the New Hampstead "Unnumbered A" zone.. I continue to send FEMA requests to accept the City drainage improvement study along the Case Canal South. I also continue to send GA DNR EPD Floodplain Division requests to provide new studies of the area that were thought to be part of the Coastal Study, but were not due to the storm surge did not affect the canals.
End of Existing Mitigation Actions Carried Forward from 2010 Plan											



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New Mitigation Actions											
ID	2014 Action	Related to Goal	Address Current Development	Address Future Development	Continue Compliance with NFIP	Mitigation Category	2016 Comments	2017 Comments	2018 Comments	2019 Comments	2019 Comments
1	Remove building code/insurance disconnect through education of builders/realtors and modification of technical review checklist (cross-check NFIP/Insurance/Ordinance/IBC).	4		✓	✓	Prevention, Property Protection	This year COS conducted three training session: * January 12, 2016 for the Homebuilders Association (HBA) of Savannah. * November 5, 2015 and August 25, 2016 for the Savannah Area Board of Realtors (SABOR). The training was conducted by Tom McDonald and Michael Blakely. Some of the topics covered included backfill material in the SFHA, no petition walls or separate rooms in the enclosure area, hydrostatic venting, The 50% Rule, job-site trailers, swimming pools, elevators in the SFHA, and Coastal A-Zones	This year COS conducted three training session: * June 21, 2017 for the Homebuilders Association (HBA) of Savannah. * December 5, 2016 and June 22, 2017 for the Savannah Area Board of Realtors (SABOR). The training was conducted by Tom McDonald and Michael Blakely. Some of the topics covered included backfill material in the SFHA, no petition walls or separate rooms in the enclosure area, hydrostatic venting, The 50% Rule (SD/SI), job-site trailers, swimming pools, elevators in the SFHA, and Coastal A-Zones. Tom McDonald created a plan review sheet for home builders to use when submitting a building permits. See "AE ZONE FLOODPLAIN WORKSHEET" at http://www.savannahga.gov/DocumentCenter/View/10453	This year COS conducted five training session: * November 16, 2017 and June 14, 2018 for the Savannah Area Board of Realtors (SABOR), February 14, 2018 with Structural Engineers Association of Georgia (SEAOG), March 7, 2018 with Builder Owners and Managers Association (BOMA), and April 10, 2018 with Surveying and Mapping Society of Georgia (SAMSOG). Additionally, February 9-11, 2018 participated in the "Low country Improvement Home and Garden Show" to discuss construction practices with attendees. The training was conducted by Tom McDonald and Michael Blakely. Some of the topics covered included backfill material in the SFHA, no petition walls or separate rooms in the enclosure area, hydrostatic venting, The 50% Rule (SD/SI), job-site trailers, swimming pools, elevators in the SFHA, and Coastal A-Zones. The City continue to use the "AE ZONE FLOODPLAIN WORKSHEET" for building permits in the SFHA. Link to worksheet see: http://www.savannahga.gov/DocumentCenter/View/10453...	Continue to promote information on the City Flood Protection web page, newspaper publication (OPC), letters the Floodplain (OPF) and RLA and Realtor workshop.	Continue to promote information on the City's Flood Protection web page, newspaper publication (OPC), letters the Floodplain (OPF) and RLA, and during Realtor workshop.

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2	Develop outreach strategy to educate building community on new flood maps.	1		✓	✓	Public Information and Outreach	The COS has set up a program to promote the new FIRM through community meetings and publications. COS conducted several training sessions to include the Community Public meetings on July 19, 2016 and September 22, 2016, Homebuilders Association (HBA) of Savannah on January 12, 2016, the Savannah Area Board of Realtors (SABOR) on November 5, 2015 and August 25, 2016, and the Commercial Realtor Alliance on September 22, 2016. Additional strategy includes adding the promotional information in the newspaper outreach to the community, flyers to the SFHA, and letter to the RLA.	The COS continues to promote and provide progress report updates of the new FIRM through the website and local TV interviews. COS conducted several training sessions to include the Home Builders Association (HBA) of Savannah and Savannah Area Board of Realtors (SABOR). Additional strategy includes adding the promotional information in the newspaper outreach to the community, flyers to the SFHA, and letter to the RLA.	The COS continues to promote and provide progress report updates of the new FIRM through the website and local TV interviews. COS conducted several training sessions to include the Savannah and Savannah Area Board of Realtors (SABOR), Structural Engineers Association of Georgia (SEAOG), Builder Owners and Managers Association (BOMA), Surveying and Mapping Society of Georgia (SAMSOG) and "Low country Improvement Home and Garden Show." Additional strategy includes adding the promotional information in the newspaper outreach to the community, flyers to the SFHA, and letter to the RLA. The Preliminary FIRMS will go into effect August 16, 2018.	** Complete ** FIRM went into effect August 16, 2018. COS continues to promote the new FIRM through the website. COS conducted several outreach strategies in the newspaper outreach to the community, flyers to the SFHA, and letter to the RLA.	** Completed **
3	Modify Flood Damage Prevention Ordinance (FDPO) to include LIMWA criteria.	4		✓	✓	Prevention, Property Protection	In Fall of 2017 the COS will adoption Preliminary FIRM that are now undergoing the 90 day appeal process phase (July 19 - Oct 16, 2016). At that time the COS will review the change.	In Spring of 2018 the COS will adoption Preliminary FIRM. FEMA has completed the 90 days public appeal process phase (September 18, 2017). During the 180 adoption period the COS will review the change.	As part of the Preliminary FIRM adoption on August 16, 2018 the COS is updating the FDPO the includes the LIMWA language that meets the GA DNR State model ordinance and ASCE 24-15 requirements. The FDPO in under staff review.	** Complete ** City continues to enforce ASCE 24-05 - 4.0 COASTAL HIGH HAZARD AREAS AND COASTAL A ZONE that required property to follow the LIMWA regulation.	** Completed **
4	Prioritize CIP projects to address flooding in the following areas: Victory Drive, Skidaway & 41 st , 37 th MLK, Montgomery & 52 nd , Abercorn & 65 th , Springfield Canal, Cloverdale, Detention Pond @ 52 nd Derange, Bilbo basin and Placentia basin.	2, 4				Structural Projects	The majority of the projects named deal with street or nuisance flooding. Over \$300 M of improvements focused upon structural flooding remain unfunded. However, the COS will continue to be aware that these locations need to be monitored and eventually eliminate to prevent the potential of emergency vehicles being delayed during a storm event or a citizen's car damaged due to flooding.	Funding shortfalls continue to plague the program.	Funding shortfalls continue to plague the program.	Funding shortfalls continue to plague the program.	* Under Design: Placentia Basin Drainage Improvements - DR0132. * Under Construction Bilbo Box Culvert Improvements - DR0308, * Design – Ongoing Springfield Drainage Improvements - DR0905 Savannah River to I 516, MLK to Chatham Parkway * Design – On going Casey South Drainage Improvements Phase II - DR0911 55th St to North, Harmon to East, 63rd St to South, and Abercorn to West
5	Complete a study to evaluate the effectiveness of a stormwater utility based on impervious area and its impact on the typical homeowner.	4	✓	✓		Structural Projects	A concept study created in 2008-10 could be updated for this purpose for approximately \$50K	Consultant has been awarded a contract to perform a study of the Stormwater Unity Program	Consultant has been awarded a contract to perform a study of the Stormwater Unity Program. After Fire Fee concern, Utility Fee is not a option.	Consultant has been awarded a contract to perform a study of the Stormwater Unity Program. After Fire Fee concern, Utility Fee is not a option.	No Change
6	Chatham County Emergency Management (CEMA) will provide a prioritized list of critical facilities.	3	✓			Property Protection, Emergency Services	We should consider removing 500 year protection for ingress/egress for critical facilities due to low topography within the City. This should be weighed against CRS points in play.	CEMA's December 2015: <u>Chatham County Multi-Jurisdiction Pre-Disaster Hazard Mitigation Plan</u> that includes discussions of Critical facility buildings.	** Completed **	** Completed **	** Completed **

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7	The City of Savannah will adopt the CEMA Post-Disaster Mitigation Plan and Pre-Disaster Mitigation Plan.	4	✓			Emergency Services	From: Tom McDonald To: Kate Busbee; Dustin Hetzel Subject: Savannah Dates. Good morning, I was wondering if you have the dates the City adopted your two plans. As part of the City's CRS 510 Plan update, I need to provide the dates. The City of Savannah will adopt the CEMA Post-Disaster Mitigation Plan and Pre-Disaster Mitigation Plan." Thank you for your help. Tom McDonald,	On December 22, 2015 the City of Savannah adopted the "RESOLUTION OF THE CITY OF SAVANNAH AUTHORIZING ADOPTION OF THE CHATHAM COUNTY MULTI-JURISDICTION HAZARD MITIGATION PLAN." This is the only "plan" that CEMA has. Signature page available upon request.	** Completed **	** Completed **	** Completed **
8	Consider expanding riparian impervious surface setbacks including a 25' setback on coastal marshland and wetlands.	4		✓		Prevention, Natural Resource Protection	** Completed ** The State of Georgia requires a 25 foot setback to coastal marshland and all streams.	** Completed ** The State of Georgia requires a 25 foot setback to coastal marshland and all streams.	** Completed ** The State of Georgia requires a 25 foot setback to coastal marshland and all streams.	** Completed ** Note the New zoning Ordinance, adopted September 1, 2019, created an additional 10' setback beyond the State requirements. See the new Zoning Ordinance: Article 10.0 Natural Resource Standards, Section 10.5.4 Buffer Width: A buffer width of 35 feet is required for all wetland and marsh buffers.	** Completed **
9	Support the Chatham County Savannah MPC Greenway Plan and coordinate with the MPC on the Plan as needed.	4		✓		Prevention, Natural Resource Protection	We are working with Chatham County to achieve flood protection mitigation for the Truman Linear Trail Project. Several COS staff are on the Greenway Steering Committee	We are working with Chatham County to achieve flood protection mitigation for the Truman Linear Trail Project. Several COS staff are on the Greenway Steering Committee	Nick Deffley has submitted RFP for Engineers to start design of the City's portion of the project from DeRenne to Henry Street. Project time 3 years. We are working with Chatham County to achieve flood protection mitigation for the Truman Linear Trail Project. Several COS staff continue to participate on the Greenway Steering Committee	Nick Deffley, project manager, of the Truman Linear Park Trail (RE0127) a project from DeRenne to Henry Street. June 2019 Update: The Concept Report has been approved by the GA Department of Transportation, which includes approval of the general alignment of the trail. Preparations are currently being made for the Public Information Open House (PIOH) coming up on August 1st. This is an opportunity for the public to review the proposed trail alignment and submit their feedback and comments. All comments submitted by the public will be addressed and provided publicly after the PIOH. The PIOH will be held on Thursday, August 01, 2019 at Calvary Baptist Temple – Oasis Building (4625 Waters Avenue, Savannah, GA 31404). Open to the public	Unincorporated Chatham County has completed the county's section from DeRenne to Lake Mayer. The City has temporarily delayed completing the City's portion of construction due to lack of funds.
10	Consider participation in FEMA's high water mark initiative.	1			✓	Public Information and Outreach	The COS and UCC organized for Ms. Lynn Keating of FEMA Region IV to provide a webinar about FEMA's Highwater Mark at the Local Coastal CRS user Group meeting. I forward the information to the City's Emergency Manager for his input.	Working with the COS Emergency Manager to implement FEMA's high water mark initiative.	At this time concentrating on a Sea Level Rise Study and GA Tech's Tide Sensor project. See activity #14 above for more details.	At this time concentrating on a Sea Level Rise Study and GA Tech's Tide Sensor project. See activity #14 above for more details.	Continue to Support GT Sea Level Sensor project

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11	Coordinate with the Chatham County Resource Protection Land to acquire lands vulnerable to flooding through SPLOST funds.	4		✓		Prevention, Natural Resource Protection	With over \$300 M in unfunded drainage projects, resources other than SPLOST may have to be leveraged.	Coordinate with the Chatham County Resource Protection Land to acquire lands vulnerable to flooding through SPLOST funds.	Coordinate with the Chatham County Resource Protection Land to acquire lands vulnerable to flooding through SPLOST funds.	Coordinate with the Chatham County Resource Protection Land to acquire lands vulnerable to flooding through SPLOST funds.	No Action this year due to lack of funds
12	Create a Natural Floodplain Functions Plan and a Repetitive Loss Area Analysis	2, 4	✓	✓	✓	Property Protection, Natural Resource Protection	** Completed** The Natural Floodplain Functions Plan was completed in July 2015. The Repetitive Loss Area Analysis was completed and adopted by COS on August 6, 2015. Both Plans are on the City's Flood Protection Information Web page, savannahga.gov.	** Completed** The Natural Floodplain Functions Plan was completed in July 2015. The Repetitive Loss Area Analysis was completed and adopted by COS on August 6, 2015. Both Plans are on the City's Flood Protection Information Web page, savannahga.gov.	** Completed **	** Completed **	** Completed **
13	Develop a Watershed Master Plan for the City	2, 3, 4	✓	✓		Prevention, Property Protection, Natural Resource Protection	We have watershed plans for both the Savannah and Vernon Rivers. The first step to a masterplan is to study the individual basins. The basin studies remain unfunded.	The watershed plans for the Savannah and Vernon Rivers will begin revisions and updates at the end of 2017 beginning of 2018. The COS was instrumental in starting a new nonprofit called the Savannah River Clean Water Fund. The Funds purpose is to protect the water quality of the Savannah River by targeting land for conservation. A consultant has approached the COS to sign a MOA to apply for a grant for a Sea Level Rise Plan. The City is reviewing the proposal.	In February 2018, as part of GA DNR grant program, COS submitted a Letter of Support with Chatham County for Chatham County's Coastal Incentive Grant (CIG) Application to analyze "Sea Level Rise Impacts on Stormwater Systems in Chatham County." We are currently waiting if we are awarded the grant. Additionally, Tom McDonald is working with Jill M Gambill, of University of Georgia Marine Extension and Georgia Sea Grant and Professor Brian Bledsoe concerning the possibility of UGA hosting SWMM modeling software/server so that the City could access it. The purpose is for COS to have access to an upgraded modeling software and larger server memory to support more modeling nodes. If approved, the COS would upload current and future local City basin studies. The loaded studies will allow City personnel and engineers to run modeling of proposed development and maintain completed development to ensure proposed project do not adversely affect up and down stream properties	instead of a Watershed Master Plan, the City and Chatham county are completing a Sea Level Rise Plan. Had meetings on March 1, 2019, May 28, 2019, and August 28, 2019. Contractor developing storm water models based on the City and County's Stormwater GIS utility layers.	Instead of a Watershed Master Plan, the City and Chatham County are completing a Sea Level Rise Plan. During the 2019 & 2020 year, the City staff supported the Sea Level Rise Grant Study by attending meetings and providing supportive GIS Data. Phase One of the SLR Grant study is coming to a close. On September 16, 2020, Jason Evans presented the findings to the Coastal GA User Group and City Engineer as part of a Lunch and Learn. The team has been approved to present the finding to City Mayor at the GA Mayor convention.

End of the New of the Mitigation Actions Report