



2016 ANNUAL RECERTIFICATION ACTION ITEMS EVALUATION REPORT OF THE July 2015 REPETITIVE LOSS AREA ANALYSIS

City of Savannah, Georgia
Development Services Department

512.b. Repetitive loss area analysis (RLAA)

(4) The community must prepare an annual evaluation report for its area analyses.

- The report must review each action item, describe what was implemented (or not implemented), and recommend changes to the action items as appropriate.
- One annual report can cover some or all of the area analyses that were prepared.
- The report must be made available to the media and the public (including the property owners and residents of the repetitive loss areas).
- The report is submitted with the community's annual recertification.

Documentation for RLAA Provided by the Community

(2) With the annual recertification,

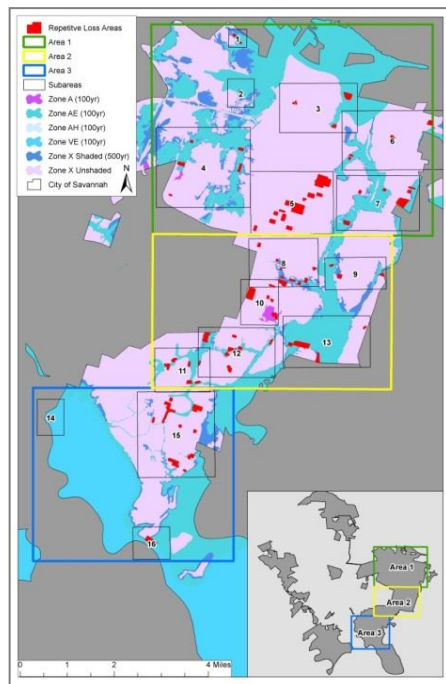
(a) A copy of the annual evaluation report (Section 512.b, credit criterion (4)). If not in the evaluation report, the recertification submittal must also document how the evaluation report and update were made available to the media and the public.

How the City provided the Report to the media and public:

1. The City of Savannah provided the report to the media through a press release by the City's Public Information Office.
2. The Report is posted on the City's Flood Protection Information Web Page.
3. Copies of the report are available at the City's Development Service Department, Located at: 5515 Abercorn St, Savannah GA, 31405

City of Savannah 2016

510 Redetive Loss Area Analyses RLAA General Area 1



Conclusion and Recommendations - General Area 1

Conclusion

Based on the field survey and collection of data, the analysis of existing studies and reports, and the evaluation of various structural and non-structural mitigation measures, the City of Savannah proposes that mitigation measures be implemented for General Area 1. Table 16 examines past and current mitigation actions in this area.

Past and Current Mitigation Actions in General Area 1

Current Actions

1	Property owners have documented flooding and identified flooding concerns in returned questionnaires from this analysis.
2	The City has eliminated 21 properties from the repetitive loss list through acquisition and demolition. Many of these areas have been converted to community gardens which have proven to be very popular in the City.
3	Property owners are aware of flooding causes. Some property owners have undertaken specific floodproofing measures at their own expense.
4	City has undertaken numerous, costly capital improvement projects to improve drainage within this Area.

Recommendations

The City will encourage property owners to use floodproofing measures to help protect lower levels of their property. The City will also increase its public education efforts to increase awareness of flood preparedness and flood protection measures including moving valuable items to above the flood elevation and permanently elevating vulnerable HVAC units. At the same time, the City will work with property owners, citizens, neighboring communities, the state and other regional and federal agencies to implement capital improvement projects which will help to eliminate flooding in the repetitive loss areas.

Mitigation Action 1:

Property owners should obtain and keep a flood insurance policy on their structures (building and contents coverage). The City will continue on an annual basis to target all properties in the repetitive loss areas reminding them of the advantages to maintaining flood insurance through its annual outreach effort.

Responsibility

The City's Development Services Department will provide the most relevant up-to-date flood insurance information to all property owners within the repetitive loss areas located in General Area 1.

Funding

The cost will be paid for from the City's operating budget through the Development Services Department.

City of Savannah 2016 Action

The City of Savannah (COS) has mailed out 412 letters to residence of the General Area 1. The letter provides advice on elevating equipment and retrofitting their homes from the effects of flooding. Other topics include funding opportunities through grants, to include ICC and flood insurance. The City and County governments contracts Morning News to deliver a six full page advertisement promoting a multiple topics of flood awareness, dangers of flooding, flood protection, and facts about the Homeowner Flood Insurance Affordability Act (2014). The information publication is free and delivered to each residence and business in the area. The City's Floodplain Manager is a co-organizer that formed the Coastal CRS User Group. The user group is comprised of over 15 jurisdictions, several contractors and governmental organizations that work along the 100 miles of Georgia's coast. NOAA's Sea Grant program and University of Georgia are instrumental in educating the members of grant opportunities and other resources they can provide.

Mitigation Action 2:

Property owners should not store personal property in basements and crawl spaces since personal property is not covered by a flood insurance policy. The City will increase its outreach efforts on an annual basis to include information to the outreach materials for the identified repetitive loss areas.

Responsibility

The City's Development Services Department will provide the most relevant up-to-date information to all property owners within the repetitive loss areas located in General Area 1.

Funding

The cost will be paid for from the City's operating budget through the Development Services Department.

City of Savannah 2016 Action

As part of the letter that is sent to the 412 structures in General Area 1 provides the informational facts that flood insurance has limitations. Policy holders need to learn what items will not be covered, particularly if the claimed items are below that BFE. The information flyers promote sump pumps and backwater valves in the basement.

Mitigation Action 3:

When appropriate, property owners should consider flood proofing measures such as flood gates or shields, flood walls, and hydraulic pumps.

Responsibility

The City's Development Services Department will promote effective flood protection measures and provide advice and assistance to property owners who may wish to implement such measures in an on-going program.

Funding

The cost will be paid for by individual property owners. Advice and assistance will require staff time. Promotion of existing floodproofing measures may require some additional funds from the City's operating budget.

City of Savannah 2016 Action

COS suggest simple projects property owners can perform to protect their home from rising water through the letter sent to the RLA properties, mailers to the SFHA buildings, newspaper advertisements, and COS website. COS also promotes "on site visit" in all flood determination letters. Each year the City's Floodplain Manager attends outreach functions such as Earth Day, Hurricane Expo, and neighborhood meetings promoting on site evaluations and flood protection measures.

Mitigation Action 4:

Continue acquisition/demolition mitigation of high-risk flood-prone properties. The highest priorities are properties at the greatest flood risk and where drainage improvements will not provide an adequate level of protection.

Responsibility

The City's Real Property Services in conjunction with the Development Services Department will continue to target properties for acquisition/demolition.

Funding

The acquisition and demolition will be paid for using FEMA mitigation grant funds. Staff time to develop the list of target properties will require funds from the City's operating budget.

City of Savannah 2016 Action

The COS Floodplain Manager maintains a list of properties that the owners have inquired for the City to purchase their homes. As grants become available, the list is sent to the Real Properties Department Director to be included as possible candidates. In 2015 the COS purchased ten (10) houses funded by either PDM or HMGP grants. Five of the ten structures purchased are in General Area 1.

HMGP & PDM BUYOUT: 5

Mitigation Action 5:

Prioritize CIP projects to focus on drainage improvement projects in those basins containing repetitive loss areas.

Responsibility

The City's Development Services Department in conjunction with CIP Management.

Funding

Special Purpose Local Option Sales Tax (SPLOST) funds.

City of Savannah 2016 Action

The City has over \$300 Million CIP projects that will address of improvements focused upon structural flooding remain unfunded. The City will continue to evaluate flooding throughout the City and maintain the over 1,700 Flooded Structure database. The City's Flood Damage Prevention Ordinance requires structures that are on the Flooded Structures Database and outside the SFHA to adhere to the Substantial Improvement requirement.

Mitigation Action 6:

Encourage property owners to elevate inside and outside mechanical equipment above the BFE and install flood resistant materials in crawl spaces.

Responsibility

The City's Development Services Department will promote effective flood protection measures and provide advice and assistance to property owners who may wish to implement such measures in an on-going program.

Funding

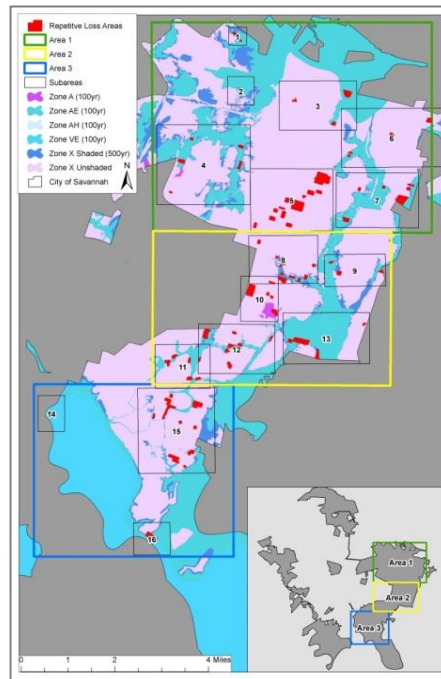
The cost will be paid for by individual property owners. Advice and assistance will require staff time. Promotion of existing floodproofing measures may require some additional funds from the City's operating budget.

City of Savannah 2016 Action

The COS continues to provide flood protection advice through outreach literature and public events. Each year COS sends out three separate notices to residential and business properties throughout the city. The first notice is a four page letter that is mailed to 412 properties in General Area 1. The letter provides advice on elevating equipment and retrofitting their homes from the adverse effects of flooding. Other topics include funding opportunities through grants, to include ICC and flood insurance. The other two notices are the newspaper outreach and the flyer to structures in the SFHA. The City and County governments contract Savannah Morning News to deliver a six, full page advertisement and Sure Bill company to print and mail over 25,000 mailers to the high risk areas. Both documents promote "on site" evaluation and numerous topics about flood awareness, dangers of flooding, flood protection, and facts about the Homeowner Flood Insurance Affordability Act. The newspaper outreach is displayed in several governmental buildings and delivered to each residence and business in the Area. The City's Floodplain Manager is a co-organizer that formed the Coastal CRS User Group. The user group is comprised of riverine and coastal communities that helped provide diverse and meaningful flood protection messages in the newspaper outreach.

City of Savannah 2016

510 Redetive Loss Area Analyses RLAA General Area 2



Conclusion and Recommendations - General Area 2

Conclusion

Based on the field survey and collection of data, the analysis of existing studies and reports, and the evaluation of various structural and non-structural mitigation measures, the City of Savannah proposes that mitigation measures be implemented for General Area 2. Table 30 examines past and current mitigation actions in this area.

Past and Current Mitigation Actions in General Area 2

Current Actions

- 1 Property owners have documented flooding and identified flooding concerns in returned questionnaires from this analysis.
- 2 The City has eliminated 3 properties from the repetitive loss list through acquisition and demolition. Many of these areas have been converted to community gardens which have proven to be very popular in the City.
- 3 Property owners are aware of flooding causes. Some property owners have undertaken specific floodproofing measures at their own expense.
- 4 City has undertaken costly capital improvement projects to improve drainage within this Area.

Recommendations

The City will encourage property owners to use floodproofing measures to help protect lower levels of their property. The City will also increase its public education efforts to increase awareness of flood preparedness and flood protection measures including moving valuable items to above the flood elevation and permanently elevating vulnerable HVAC units. At the same time, the City will work with property owners, citizens, neighboring communities, the state and other regional and federal agencies to implement capital improvement projects which will help to eliminate flooding in the repetitive loss areas.

Mitigation Action 1:

Property owners should obtain and keep a flood insurance policy on their structures (building and contents coverage). The City will continue on an annual basis to target all properties in the repetitive loss areas reminding them of the advantages to maintaining flood insurance through its annual outreach effort.

Responsibility

The City's Development Services Department will provide the most relevant up-to-date flood insurance information to all property owners within the repetitive loss areas located in General Area 2.

Funding

The cost will be paid for from the City's operating budget through the Development Services Department.

City of Savannah 2016 Action

The City of Savannah (COS) has mailed out 253 Letters to residence of the General Area 2. The letter provides advice on elevating equipment and retrofitting their homes from the effects of flooding. Other topics include funding opportunities through grants, to include ICC and flood insurance. The City and County governments contracts Morning News to deliver a six full page advertisement promoting a multiple topics of flood awareness, dangers of flooding, flood protection, and facts about the Homeowner Flood Insurance Affordability Act (2014). The information publication is free and delivered to each residence and business in the area. The City's Floodplain Manager is a co-organizer that formed the Coastal CRS User Group. The user group is comprised of over 15 jurisdictions, several contractors and governmental organizations that work along the 100 miles of Georgia's coast. NOAA's Sea Grant program and University of Georgia are instrumental in educating the members of grant opportunities and other resources they can provide.

Mitigation Action 2:

Property owners should not store personal property in basements and crawl spaces since personal property is not covered by a flood insurance policy. The City will increase its outreach efforts on an annual basis to include information to the outreach materials for the identified repetitive loss areas.

Responsibility

The City's Development Services Department will provide the most relevant up-to-date information to all property owners within the repetitive loss areas located in General Area 2.

Funding

The cost will be paid for from the City's operating budget through the Development Services Department.

City of Savannah 2016 Action

As part of the letter that is sent to the 253 structures in General Area 2 provides the informational facts that flood insurance has limitations. Policy holders need to learn what items will not be covered, particularly if the claimed items are below that BFE. The information flyers promote sump pumps and backwater valves in the basement.

Mitigation Action 3:

When appropriate, property owners should consider flood proofing measures such as flood gates or shields, flood walls, hydraulic pumps, and the use of flood resistant materials in crawl spaces.

Responsibility

The City's Development Services Department will promote effective flood protection measures and provide advice and assistance to property owners who may wish to implement such measures in an on-going program.

Funding

The cost will be paid for by individual property owners. Advice and assistance will require staff time. Promotion of existing floodproofing measures may require some additional funds from the City's operating budget.

City of Savannah 2016 Action

COS suggest simple projects property owners can perform to protect their home from rising water through the letter sent to the RLA properties, mailers to the SFHA buildings, newspaper advertisements, and COS website. COS also promotes "on site visit" in all flood determination letters. Each year the City's Floodplain Manager attends outreach functions such as Earth Day, Hurricane Expo, and neighborhood meetings promoting on site evaluations and flood protection measures.

Mitigation Action 4:

Continue acquisition/demolition mitigation of high-risk flood-prone properties. The highest priorities are properties at the greatest flood risk and where drainage improvements will not provide an adequate level of protection.

Responsibility

The City's Real Property Services in conjunction with the Development Services Department will continue to target properties for acquisition/demolition.

Funding

The acquisition and demolition will be paid for using FEMA mitigation grant funds. Staff time to develop the list of target properties will require funds from the City's operating budget.

City of Savannah 2016 Action

The COS Floodplain Manager maintains a list of properties that the owners have inquired for the City to purchase their homes. As grants become available, the list is sent to the Real Properties Department Director to be included as possible candidates. In 2015 the COS purchased ten (10) houses funded by either PDM or HMGP grants. **Three** of the ten structures purchased are in General Area 2.

HMGP & PDM BUYOUT: 3

Mitigation Action 5:

Prioritize CIP projects to focus on drainage improvement projects in those basins containing repetitive loss areas.

Responsibility

The City's Development Services Department in conjunction with CIP Management.

Funding

Special Purpose Local Option Sales Tax (SPLOST) funds.

City of Savannah 2016 Action

The City has over \$300 Million CIP projects that will address of improvements focused upon structural flooding remain unfunded. The City will continue to evaluate flooding throughout the City and maintain the over 1,700 Flooded Structure database. The City's Flood Damage Prevention Ordinance requires structures that are on the Flooded Structures Database and outside the SFHA to adhere to the Substantial Improvement requirement.

Mitigation Action 6:

Encourage property owners to elevate inside and outside mechanical equipment above the BFE and install flood resistant materials in crawl spaces.

Responsibility

The City's Development Services Department will promote effective flood protection measures and provide advice and assistance to property owners who may wish to implement such measures in an on-going program.

Funding

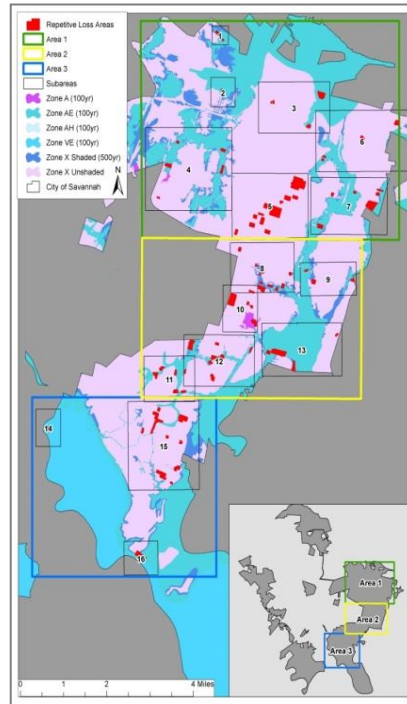
The cost will be paid for by individual property owners. Advice and assistance will require staff time. Promotion of existing floodproofing measures may require some additional funds from the City's operating budget.

City of Savannah 2016 Action

The COS continues to provide flood protection advice through outreach literature and public events. Each year COS sends out three separate notices to residential and business properties throughout the city. The first notice is a four page letter that is mailed to 253 properties in General Area 2. The letter provides advice on elevating equipment and retrofitting their homes from the adverse effects of flooding. Other topics include funding opportunities through grants, to include ICC and flood insurance. The other two notices are the newspaper outreach and the flyer to structures in the SFHA. The City and County governments contract Savannah Morning News to deliver a six, full page advertisement and Sure Bill company to print and mail over 25,000 mailers to the high risk areas. Both documents promote "on site" evaluation and numerous topics about flood awareness, dangers of flooding, flood protection, and facts about the Homeowner Flood Insurance Affordability Act. The newspaper outreach is displayed in several governmental buildings and delivered to each residence and business in the Area. The City's Floodplain Manager is a co-organizer that formed the Coastal CRS User Group. The user group is comprised of riverine and coastal communities that helped provide diverse and meaningful flood protection messages in the newspaper outreach.

City of Savannah 2016

510 Redetive Loss Area Analyses RLAA General Area 3



Conclusion and Recommendations - General Area 3

Conclusion

Based on the field survey and collection of data, the analysis of existing studies and reports, and the evaluation of various structural and non-structural mitigation measures, the City of Savannah proposes that mitigation measures be implemented for General Area 3. Table 41 examines past and current mitigation actions in this area.

Past and Current Mitigation Actions in General Area 3

Current Actions

- 1 Property owners have documented flooding and identified flooding concerns in returned questionnaires from this analysis.
- 2 The City has eliminated 24 properties from the repetitive loss list through acquisition and demolition. Many of these areas have been converted to community gardens which have proven to be very popular in the City.
- 3 Property owners are aware of flooding causes. Some property owners have undertaken specific floodproofing measures at their own expense.

Recommendations

The City will encourage property owners to use floodproofing measures to help protect lower levels of their property. The City will also increase its public education efforts to increase awareness of flood preparedness and flood protection measures including moving valuable items to above the flood elevation and permanently elevating structures and vulnerable HVAC units. At the same time, the City will work with property owners, citizens, neighboring communities, the state and other regional and federal agencies to implement capital improvement projects which will help to eliminate flooding in the repetitive loss areas.

Mitigation Action 1:

Property owners should obtain and keep a flood insurance policy on their structures (building and contents coverage). The City will continue on an annual basis to target all properties in the repetitive loss areas reminding them of the advantages to maintaining flood insurance through its annual outreach effort.

Responsibility

The City's Development Services Department will provide the most relevant up-to-date flood insurance information to all property owners within the repetitive loss areas located in General Area 3.

Funding

The cost will be paid for from the City's operating budget through the Development Services Department.

City of Savannah 2016 Action

The City of Savannah (COS) has mailed out 186 Letters to residence of the General Area 3. The letter provides advice on elevating equipment and retrofitting their homes from the effects of flooding. Other topics include funding opportunities through grants, to include ICC and flood insurance. The City and County governments contracts Morning News to deliver a six full page advertisement promoting a multiple topics of flood awareness, dangers of flooding, flood protection, and facts about the Homeowner Flood Insurance Affordability Act (2014). The information publication is free and delivered to each residence and business in the area. The City's Floodplain Manager is a co-organizer that formed the Coastal CRS User Group. The user group is comprised of over 15 jurisdictions, several contractors and governmental organizations that work along the 100 miles of Georgia's coast. NOAA's Sea Grant program and University of Georgia are instrumental in educating the members of grant opportunities and other resources they can provide.

Mitigation Action 2:

Property owners should not store personal property in basements and crawl spaces since personal property is not covered by a flood insurance policy. The City will increase its outreach efforts on an annual basis to include information to the outreach materials for the identified repetitive loss areas.

Responsibility

The City's Development Services Department will provide the most relevant up-to-date information to all property owners within the repetitive loss areas located in General Area 3.

Funding

The cost will be paid for from the City's operating budget through the Development Services Department.

City of Savannah 2016 Action

As part of the letter that is sent to the 186 structures in General Area 3 provides the informational facts that flood insurance has limitations. Policy holders need to learn what items will not be covered, particularly if the claimed items are below that BFE. The information flyers promote sump pumps and backwater valves in the basement.

Mitigation Action 3:

When appropriate, property owners should consider flood proofing measures such as flood gates or shields, flood walls, and hydraulic pumps.

Responsibility

The City's Development Services Department will promote effective flood protection measures and provide advice and assistance to property owners who may wish to implement such measures in an on-going program.

Funding

The cost will be paid for by individual property owners. Advice and assistance will require staff time. Promotion of existing floodproofing measures may require some additional funds from the City's operating budget.

City of Savannah 2016 Action

COS suggest simple projects property owners can perform to protect their home from rising water through the letter sent to the RLA properties, mailers to the SFHA buildings, newspaper advertisements, and COS website. COS also promotes "on site visit" in all flood determination letters. Each year the City's Floodplain Manager attends outreach functions such as Earth Day, Hurricane Expo, and neighborhood meetings promoting on site evaluations and flood protection measures.

Mitigation Action 4:

Continue acquisition/demolition mitigation of high-risk flood-prone properties. The highest priorities are properties at the greatest flood risk and where drainage improvements will not provide an adequate level of protection.

Responsibility

The City's Real Property Services in conjunction with the Development Services Department will continue to target properties for acquisition/demolition.

Funding

The acquisition and demolition will be paid for using FEMA mitigation grant funds. Staff time to develop the list of target properties will require funds from the City's operating budget.

City of Savannah 2016 Action

The COS Floodplain Manager maintains a list of properties that the owners have inquired for the City to purchase their homes. As grants become available, the list is sent to the Real Properties Department Director to be included as possible candidates. In 2015 the COS purchased ten (10) houses funded by either PDM or HMGP grants. **Two** of the ten structures purchased are in General Area 3.

HMGP & PDM BUYOUT: 2

Mitigation Action 5:

Prioritize CIP projects to focus on drainage improvement projects in those basins containing repetitive loss areas.

Responsibility

The City's Development Services Department in conjunction with CIP Management.

Funding

Special Purpose Local Option Sales Tax (SPLOST) funds.

City of Savannah 2016 Action

The City has over \$300 Million CIP projects that will address of improvements focused upon structural flooding remain unfunded. The City will continue to evaluate flooding throughout the City and maintain the over 1,700 Flooded Structure database. The City's Flood Damage Prevention Ordinance requires structures that are on the Flooded Structures Database and outside the SFHA to adhere to the Substantial Improvement requirement.

Mitigation Action 6:

Encourage property owners to elevate inside and outside mechanical equipment above the BFE and install flood resistant materials in crawl spaces.

Responsibility

The City's Development Services Department will promote effective flood protection measures and provide advice and assistance to property owners who may wish to implement such measures in an on-going program.

Funding

The cost will be paid for by individual property owners. Advice and assistance will require staff time. Promotion of existing floodproofing measures may require some additional funds from the City's operating budget

City of Savannah 2016 Action

The COS continues to provide flood protection advice through outreach literature and public events. Each year COS sends out three separate notices to residential and business properties throughout the city. The first notice is a four page letter that is mailed to 186 properties in General Area 3. The letter provides advice on elevating equipment and retrofitting their homes from the adverse effects of flooding. Other topics include funding opportunities through grants, to include ICC and flood insurance. The other two notices are the newspaper outreach and the flyer to structures in the SFHA. The City and County governments contract Savannah Morning News to deliver a six, full page advertisement and Sure Bill company to print and mail over 25,000 mailers to the high risk areas. Both documents promote "on site" evaluation and numerous topics about flood awareness, dangers of flooding, flood protection, and facts about the Homeowner Flood Insurance Affordability Act. The newspaper outreach is displayed in several governmental buildings and delivered to each residence and business in the Area. The City's Floodplain Manager is a co-organizer that formed the Coastal CRS User Group. The user group is comprised of riverine and coastal communities that helped provide diverse and meaningful flood protection messages in the newspaper outreach.