1.2.22 Annex – Somers Point

Please fill in the contact details for the person filling in this page:

Name: Phillip J Gaffney

Title: Emergency Management Coordinator

Representing: ATLANTIC COUNTY
Email: capt076@comcast.net
Phone: 609-287-2122

Local Jurisdiction Role/Position	Name	Email	Phone	Date Notified About Mitigation Plan Development Process	Agreed to participate? (Yes/No)
Land Use/ Community Planner	Greg Schneider	greg@mottassociates.net	609-569-1551	5/15/2015	Yes
Emergency Manager	Phillip Gaffeny	capt076@comcast.net	609-287-2122	9/22/2014	Yes
Floodplain Manager/ Floodplain Administrator	Jim McBrien	jmcbrien@spgov.org	609-927-9088 ext 138	5/15/2015	yes
Public Works Director / City Engineer	Guy Martin	gmartin@spgov.org	609-927-4048	5/15/2015	yes
Building Code Official	Jim McBrien	jmcbrien@spgov.org	609-927-9088 ext 138	5/15/2015	yes
Fiscal/Budget Officer	Wes Swain	wswain@spgov.org	609-927-9088 ext 128	5/15/2015	yes
Manager/Administrator	Wes Swain	wswain@spgov.org	609-927-9088 ext 128	5/15/2015	yes
Elected Officials	Jack Glasser	jglasser@spgov.org	609-927-9088 ext 121	5/15/2015	yes
Other 1: Police Chief	Mike Boyd	mboyd@somerspointpd.org	609-927-9088 ext106	5/15/2015	yes
Other 2: Fire Chief	Frank Denan	fdenan@spgov.org	609-927-9088 ext132	5/15/2015	yes
Other 3:					

WORKSHEET 1

National Flood Insurance Program Worksheet Template

Jurisdiction: City of Somers Pant

Describe your community's current participation in the NFIP. You may need to contact your community floodplain administrator, State NFIP coordinator or FEMA Insurance Specialist for this information.

NFIP Topic	Comments
Insurance Summary	
How many NFIP policies are in the community? What is the total premium and coverage?	Privates: 688 Premiums: 860,825 Coverage: 230,694 70
How many claims have been paid in the community? What is the total amount of paid claims? How many of the claims were for substantial damage?	- Claims: 2.65 \$ 5,939,542,39 7 swestouttelly damaged
How many structures are exposed to flood risk within the community? Repetitive Loss properties? Describe high-risk areas.	- 488
Describe any areas of flood risk with limited NFIP policy coverage	- Along Atlantic Ave. currently not in
Staff Resources	
Does the community have a dedicated Floodplain Manager or NFIP Coordinator? Is he or she certified?	-Yes -No, not certified
Provide an explanation of NFIP administration services (e.g., permit review, GIS, education or outreach, inspections, engineering capability)	Permit Review, 615, autrenth, and Inspections.
What are the barriers to running an effective NFIP program in the community, if any?	funding, lack of training, staffing

NFIP Topic	Comments
Regulation	
When did the community enter the NFIP? Are the FIRMs digital or paper? When did the Flood Insurance Rate Maps become effective?	Nov. 17,1982 - Paper -Nov. 17,1982
What is the date and status of any DFIRMs (preliminary, letter of final determination, effective)?	None
Does the Floodplain Ordinance meet or exceed FEMA or State minimum requirements? If so, in what ways?	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Compliance History	
Is the community in good standing with the NFIP? Are there any outstanding compliance issues (i.e., current violations)?	Yes, in good standing. Yes, warning strongh compliance issues.
Are all records well kept?	Yes
Community Rating System	-11
What is the community's CRS Class Ranking?	None
Does the plan include CRS planning requirements?	MA

July 2015 Update:

*The city of Somers Point submitted a letter of interest to the FEMA Regional office to become a member in the CRS, a community site visit occurred, and the city expects to be included in the Community Rating System in 2015. This effort is also documented in our Master Plan Re-Examination which was completed in January of 2015 and incorporates elements of the above referenced NFIP. - JF May 2015

SECTION 9.4: CITY OF SOMERS POINT

presiding officer. The City Council is the governing body of the City of Somers Point. The City Council is responsible for enacting ordinances, adopting the annual budget, and setting other policy for the municipality.

The City Administrator is responsible for the day-to-day operations of the City. Department heads from all sects of the City report to the Administrator. The City Administrator's primary duty is make sure all of the services needed are provided to the residents of Somers Point. The City Administrator implements policies and procedures set forth by the governing body.

Growth/Development Trends

The following table summarizes major residential/commercial development and major infrastructure development that are identified for the next five (5) years in the City. Those items listed with bold text are projects that the City (as an independent governing body) is planning. Other items listed are general growth/development trends expected within various municipalities. Refer to the map in section 9.4.10 of this Annex which illustrates the hazard areas along with the location of potential new development.

Table 9.4-1. Proposed New Growth and Development

Property Name	Type (Residential or Commercial)	No. of Structures	Address	Parcel ID	Known Hazard Zone*	Description /Status
Tuscany by the Bay	Residential	18 condas	10 Somers Point-Mays Landing Rd,	Bik 2021 Lot 1.05	Flood Hazard Area 1%/ Sea Level Rise/ Wildfire	Approved by board in 2007

^{*}Only location-specific hazard zones or vulnerabilities identified. With the exception of flood and wildfire, all locations in this planning area are exposed to the natural hazards addressed in this plan.

June 2015 Update -

New Commercial Development -

1 Bethel Rd. - Permits Issued June 2015 for STS Tire and Auto, Retail Location, [Block 251 Lot 1] 575 New Rd - Permits Issued June 2015 for Auto Zone, Retail Location, [Block 1213 Lot 4,5,6,7.02]

Proposed Development -

924 Bay Ave - Application Submitted April 2015 for Proposed Restaurant, Restaurant, [Block1810 Lot 8]

\Updated June 2015 - JF

SECTION 9.4: CITY OF SOMERS POINT

9.4.5 CAPABILITY ASSESSMENT

This section describes the following capabilities of the local jurisdiction:

- Planning and regulatory capability
- Administrative and technical capability
- Fiscal capability
- Community classification
- National Flood Insurance Program

Planning and Regulatory Capability

The table below summarizes the regulatory tools that are available to the City of Somers Point.

Table 9.4-6. Planning and Regulatory Capability

Regulatory Tools (Codes, Ordinances, Plans)	Do you have this? (Y or N)	Enforcement Authority	Code Citation (Section, Paragraph, Page Number, Date of Adoption)
Building Code	Y	City Council	Chapter 114 (4/24/1980)
Zoning Ordinance	Υ	City Council	Chapter 114.113 (4/24/1980) Chapter 114.115 (4/8/1999)
Subdivision Ordinance	Υ	City Council	Chapter 114.171-1 (12/8/2011)
NFIP Flood Damage Prevention Ordinance	Υ	City Council	Chapter 146.119 (3/24/1988)
Cumulative Substantial Damages	N/A		
Freeboard	N/A		
Growth Management	Υ	City Council	Vision Plan (2/10/2012)
Floodplain Management / Basin Plan	Υ	City Council	Chapter 146.25 (3/24/1988)
Stormwater Management Plan/Ordinance	Y	City Council	Chapter 114.177 Chapter 114.182 (3/23/2006) Chapter 114.183 (11/29/1984)
Comprehensive Plan / Master Ptan/ General Plan	Y	City Council	Under Development (11/10/2004)
Capital Improvements Plan	N/A		
Site Plan Review Requirements	Υ	City Council	Chapter 114.141 (6/10/2010)
Open Space Plan	Y	City Council	2/27/2008
Stream Corridor Management Plan	N/A		
Watershed Management or Protection Plan	N/A		
Economic Development Plan	Y	Economic Development	Chapter 20.2 (3/23/2006)
Comprehensive Emergency Management Plan	Y	Office of Emergency Management	Chapter 22.1-,6 (3/12/1981)
Emergency Response Plan	Y	Office of Emergency Management	Chapter 22.24 and 22.6 (3/12/1981)
Post-Disaster Recovery Plan	N/A		
Post-Disaster Recovery Ordinance	N/A		
Real Estate Disclosure Requirement	N/A		
Other (Special Purpose Ordinances such as critical or sensitive areas)	Y	City Council	Chapter 114.179 (4/24/1980) Chapter 114.67 (4/24/1980) Curb/Bulkhead Maintenance

Administrative and Technical Capability

The table below summarizes staff and personnel resources available to the City of Somers Point.

Table 9.4-7. Administrative and Technical Capability

Staff / Personnel Resources	Available (Y or N)	Department / Agency / Position
Planner(s) or Engineer(s) with knowledge of land development and land management practices	Y	City of Somers Point – Mott & Associates
Engineer(s) or Professional(s) trained in construction practices related to buildings and/or infrastructure	Y	City of Somers Point – Mott & Associates
Planners or engineers with an understanding of natural hazards	Υ	City of Somers Point - Mott & Associates
NFIP Floodplain Administrator	Y	Jim Mc Brien, Construction Official
Surveyor(s)	Y	City of Somers Point - Mott & Associates
Personnel skilled or trained in GIS applications	Y	City of Somers Point - Mott & Associates
Scientist familiar with natural hazards	N	
Emergency Manager	Y	City of Somers Point - OEM
Grant Writer(s)	N	
Staff with expertise or training in benefit/cost analysis	N	

Fiscal Capability

The table below summarizes financial resources available to the City of Somers Point.

Table 9.4-8. Fiscal Capability

Financial Resources	Accessible or Eligible to Use (Yes/No/Don't know)
Community Development Block Grants (CDBG)	Yes - City Administration Office
Capital Improvements Project Funding	Yes – City Administration Office
Authority to levy taxes for specific purposes	No
User fees for water, sewer, gas or electric service	Yes - Tax Collection; City has a sewer utility
Impact fees for homebuyers or developers of new development/homes	Yes - City Administration Office
Incur debt through general obligation bonds	Yes - City Administration Office
Incur debt through special tax bonds	Yes - City Administration Office
Incur debt through private activity bonds	Yes - City Administration Office
Withhold public expenditures in hazard-prone areas	Yes City Administration Office
State mitigation grant programs	Na
Other	N/A

Community Classifications

The table below summarizes classifications for community program available to the City of Somers Point

Table 9.4-9. Community Classifications

Program	Classification	Date Classified
Community Rating System (CRS)	NP	
Building Code Effectiveness Grading Schedule (BCEGS)	NP	
Public Protection	NP	
Storm Ready	NP	
Firewise	NP	

Notes:

- = Unavailable

N/A = Not applicable

NP = Not participating.

The classifications listed above relate to the City of Somers Point's ability to provide effective services to lessen its vulnerability to the natural hazards identified. These classifications can be viewed as a gauge of the community's capabilities in all phases of emergency management (preparedness, response, recovery and mitigation) and are used as an underwriting parameter for determining the costs of various forms of insurance. The CRS class applies to flood insurance, while the BCEGS and Public Protection classifications apply to standard property insurance. CRS classifications range on a scale of 1 to 10 with class 1 being the best possible classification, and class 10 representing no classification benefit. Firewise classifications include a higher classification when the subject property is located beyond 1,000 feet of a creditable fire hydrant and is within 5 road miles of a recognized fire station.

Criteria for classification credits are outlined in the following documents:

- The Community Rating System Coordinators Manual
- The Building Code Effectiveness Grading Schedule
- The ISO Mitigation online ISO's Public Protection website at http://www.isomitigation.com/ppc/0000/ppc0001.html
- The National Weather Service Storm Ready website at http://www.weather.gov/stormready/howto.htm
- The National Firewise Communities website at http://firewise.org/

National Flood Insurance Program

The City of Somers Point has identified personnel to manage and uphold the City's compliance with the NFIP. Dedicated staff include: Mr. Jim McBrien is the construction official and dedicated floodplain administrator.

The City of Somers Point joined the NFIP on November 17, 1982

Integration of Mitigation Planning into Existing and Future Planning Mechanisms

It is the intention of this municipality to incorporate mitigation planning as an integral component of daily municipal operations. Below is a list of planning mechanisms that have been/will be incorporated into municipal procedures.

Table 9.4-10. Planning Mechanisms

Planning Mechanisms	Has Boen Utilized	Will Be Utilized
Operating Budget When constructing upcoming budgets, hazard mitigation actions will be funded as budget allows. Construction projects will be evaluated to see if they meet the hazard mitigation goals and objectives.	х	x
Capital Improvement Budget When constructing upcoming budgets, hazard mitigation actions will be funded as budget allows. Construction projects will be evaluated to see if they meet the hazard mitigation goals and objectives.		x
Human Resource Manual Employee Job descriptions may contain hazard mitigation actions.		
Building and Zoning Ordinances A variety of building and zoning regulations are used to restrict the uses of land and establish building specifications. Prior to land use, zoning changes, or development permitting, the municipality will review the hazard mitigation plan and other hazard analyses to ensure consistent and compatible land use.	х	х
Comprehensive Land Use Plan A land use plan is intended to identify land use issues and to make recommendations on how to address these issues. When applicable, the municipality will incorporate hazard mitigation actions in the development and extent of the regulations.		Х
Grant Applications Data and maps will be used as supporting documentation in grant applications.		х
Municipal Ordinances When updating municipal ordinances, hazard mitigation will be a priority.		х
Fire Plan The Hazard Mitigation Plan will be used as a resource for the development of future Fire Plans.		Х
Capital improvement Planning The municipality will establish a protocol to review current and future projects for hazard vulnerability. The municipality will incorporate hazard-resistant construction standards into the design and location of projects.	х	х
Day-to-Day Operations The municipality will incorporate hazard mitigation actions in daily operations and all projects.	х	х
Local School Service Projects The municipality will work closely with the local school district and assist with community service projects for the service organizations. Several of the municipality's hazard mitigation actions can be implemented as a joint project with the school district.		×
Municipal Budget Adopted annually, the municipality will look at mitigation actions when allocating funding.		Х
Economic Development The local economic development group will take into account information regarding identified hazard areas when assisting new businesses in finding a location.		х

JUNE 2015 UPDATE:

No Changes other than a Freeboard Height Ordinance [No. 30-2014] adopted in November of 2014 mandating an increase in elevation in height measured from the base flood elevation plus the freeboard applied to the specific zones (A,AE, or AO) as set forth in 146-5.2A and B as same may be amended from time to time.

JF June 2015

PROPOSED HAZARD MITIGATION INITIATIVES 9.4.7

Some of the identified mitigation initiatives in the table below are dependent upon available funding (grants and local match availability) and may be modified or omitted at any time based on the occurrence of new hazard events and changes in municipal priorities.

Table 9.4-11. Proposed Hazard Mitigation Initiatives

noitsgitiM yrogetsO	LPR	G G	<u>n</u>	<u>r</u>	8	
thous	High	High	Hgh		ation, flood- it miligation	
Timbline	Short	Short	Short	Short	via retrofit (e.g. elevê ippikcable: implemen	ing area:
Sources of Funding	HMGP, Municipal Budgel	HMGP with Local Capital Improvements Budget for 25% cost share	HMGP with Local Capital Improvements Budget for 25% cost share	HMGP with Local Capital Improvements Budget for 25% cost share	nerable structures v s as priority virten a svailability.	owners in the follow
Estimated Cost	Low	High	High	High	to mitigate wis loss properties of local match a	ssled property o
Estimated Benefits	High	High	High	High	g attematives vera repetitiv rom FEMA ar	ing with intere
Load and Support Agencies	Municipality	Gity, DPW, City Englneer, Others	City, DPW, City Englneering, Others	City, DPW, City Engineering, Others	us well as fundin tive loss and se tive loss and se tive loss and se allable funding f	s currently work
Goals	All	69	ø	en.	eveileble a with repetitions and on averaged on averag	ers, and
Hazard(s) Mitigated	All Hazards	Flood, Sevens Storm	Flood, Severe Storm, Severa Vynler Storm	Flood, Severe Storm, Severe Winter Storm	om future damage, om future damage, om future damage, de prioritize, illon (in progress). It selected action bay on which one is fu	verable property own
Applies to Now and/or Existing Structures*	N/A	Existing	Existing	Existing	the full range o ect structures from savailable. The properties are we mitigation opers to implement of the contraction of the	outreach to vulr
Mitigation inflative	Fully participate in the 2015 update of the Atlantic County Hazard Mitigation Plan and provide a letter of intent to Atlantic County Office of Emergency Management.	Azquire three flood prone properties on Jordan Road.	Construct two pump stations including two diesel pumps at the end of Guph Mill Road and Yale Blvd, as well as a pump station with one electric pump on School House Lane. These pump stations will be designed to ensure confundus power will be available to the stations keeping them operational during a storm event.	Upgrade/retrofit undersized stormwater system elements with prioritized areas of: Bethel Road, Defeo Lane and Atlantic Avenue.	Priorlize problem properties, investigate the full range of mitigation options available as funding alternatives to mitigate vulnerable structures via retrofit (e.g. elevation, flood-proofing) or acquisition/relocation to protect structures from future damage, with repetitive loss and severa repetitive loss properties as priority when applicable. Implement mitigation of the prioritize as funding becomes available. Phase 1: Identify appropriate candidate properties and prioritize. Phase 2: Determine most cost-effective mitigation option (in progress). Phase 3: Work with the property owners to implement selected action based on available funding from FEMA and local match availability. Use one or the other of the two options below depending on which one is true	The municipality has already conducted outreach to vulnerable property owners, and is currently working with interested property owners in the following area: • Jordan Road Area
ovitsäinl	1	п	en	4	VO.	



SECTION 9.4: CITY OF SOMERS POINT

Mitigation Vategory	<u>a</u>	iska nd	EAP	LPR	S P	© ⊡
V tiroi19	Мgh	ıral hazardı s. sidenis and ss meetings a	High	Med	Med	Med
Timeline	Ongoing (outreach and specific project Identification); Lorg term DOF (specific project application and implementation)	tion program on natural and business owners e goal to reach all re well as preparedne sedictribution at civic ad.	Short	Short Term DOF	Short Term DOF	Long Term
Sources of Funding	FEMA Mitigatlori Grant Programs and local budget (or property owner) for	fulligation informs incern to residents and malfings with the y mitigation and as City hall as well a apping can be post	Municipal Budget; HMA programs with local or county match	Existing programs and Municipal Budget	Municipal Budget	Municipal Budget; HMA Grants
Estimated Cost	Hgh	ch / education de erest and/or co lar newsletter a ity and propert materials at the matlon and m	Low	Medium	High	Ë
Estimated Benefits	High	public outrea gram will incluse of particular inter- mation in regur rown commun informational is site where info	Медит	High	High	Hgh
Lead and Support Agencies	Municipal Enginearing via NFIP FPA) with NJOEM, FEMA support	ced sil-hazards, ance. This pro- identify areas c aled NFIP infor- irricipate in theil available NFIP irrunicipal web.	Somers Point OEM, County OEM	City with NJOEM, NJ DEP support	Municipal Engineering	Municipal Engineering, OEM
Goals	2,3	an enhan lood insur bention to n, and rel ctively pe er readily ge on the	124	2,3	m	9
Hazard(s) Mitigated	Flood, Severe Storm, Severe Wirter Storm, Wildfire	ilop and implement redness, including fi surveys with the in- clness and millgatio o allow them to proa ing of flyers and oth- management webpa	All Hazards	All Hazards	Flood, Severe Storm,	Flood, Severe Storm, Severe Winter Storm
Applies to New and/or Existing Structures*	Existing	nunlities to deveration and preparation and preparation recessary to duding the post	V/N	New and Existing	Existing	New and Exicting
Mitigation Initiative	See above	 Work together with the County and communities to develop and implement an enhanced all-hazards, public outreach? Aducation / mitigation in the way of mitigation and preparedness, including flood insurance. This program will include Preparation, distribution and analysis of public surveys with the intention to identify areas of particular interest and/or concern to residents and business owners. Providing general natural hazard risk, preparedness and miligation, and related NFIP information in regular newsletter and mailings with the goal to reach all residents and business owners with information necessary to allow them to proadively participate in their own community and property mitigalion and as well as preparedness. Use multiple media formats including the posting of flyers and other readity available NFIP informational materials at the City half as well as distribution at civic meetings and other appropriate forums. Developing/maintaining a natural hazard risk management webpage on the municipal website where information and mapping can be posted. 	See above	Participate in incentive-based programs such as CRS.	Implement protect measures that are inottelve of but not finited to raising bulkheade along the bay frontage throughout the City.	Implement prolective measures to facilitate stamwater system broprovements throughout the City including the potential projects to: Install check valves at street ends that butt up to the Bay Additional pump stations at critical locations throughout the City Enlarge existing pump stations at critical locations throughout the City stations to meet increased need for capacity
evitatiinl		Q		7	89	co



DMA 2000 Hazard Mitigation Plan – Atlantic 4 Planning Area, New Jersey March 2014

ı	S
l	4-1
l	တ

Mitigation Category		SI	SI	gs	SP
Priority		High	High	High	High
Timeline		Short	Short	Short	Short
Sources of Funding		FEMA HMGP and Municipal Budget	FEMA HMGP and Municipal Budget	FEMA HMGP and Municipal Budget	FEMA HMGP and Municipal Budget
Estimated Cost		High	Ндһ	HgH	High
Estimated Benefits		High	Hgh	High	High
Lead and Support Agençles		Cily, DPW, Engineer and Others	City, DPW, Engineer, and Others	Gry, DPW, Engineer, and Others	City, DPW. Engineer, and Others
Goals Met		3,11	3, 11	5,2 11,2	3,12
Hazard(s) Mitigated		Flood, Severe Storm, Hurricane, Nor Easter	Flood, Severe Storm, Hurrcane, Nor Easier	Flood, Severe Storm, Hurricane, Nor'Easter	Flood, Severa Storm, Hurricane, Nor Easter
Applies to New and/or Existing Structures*		New and Existing	New and Existing	New and Existing	New and Existing
Mitigation Initiative	 Enlarge existing stormweler basins throughout the City to reduce potential flooding impacts to adjacent properties during storms. 	Install various sized tidal check valves throughout the City to address tidal influences which often flood the stormwater system and create aituations where positive discharge into tidal weters may not be achieved. Implement solutions as funding becomes available.	Investigation available options and funding for the installation of pump stations with two diesel pumps at the end of Gulph Mill Road and Yale Boulevard and a pump station with one electric pump on School House Lane. Implement solutions as funding becomes available.	Implement protective measures that would upgrade/retroft undersized stormwater system atong Bethel Road and Defro Lane. Installation of a separate outfall with a tidal check valve along Defro Avenue to reduce the amount of water that is entering the current system from other areas of the CRy, Implement as funding becomes available.	Implement protective measures that would upgrade/retroff undersized stomwater system along Atlantic Avenue, Implement as funding becomes available.
əvitsitinl		10	1	Ĺ	13

SECTION 9.4: CITY OF SOMERS POINT

Acronyms and Abbreviations:
ARC American Red Cross
DPW Department of Public Works

Notes: *Does this nitigation initiative reduce the effects of hazards on new and/or existing buildings and/or infrastructure? Not applicable (N/A) is inserted if this does not apply.



SECTION 9.4: CITY OF SOMERS POINT

Federal Emergency Management Agency

Hazard Miligation Assistance **AMA** ΉMΡ

Hazard Mitigation Proposal

Not applicable

National Flood Insurance Program

New York State Office of Emergency Management National Oceanic and Atmospheric Administration NYSOEM

U.S Army Corp of Engineers II.S. Geological Survey JSACE

VVVV

NFIP PIP

۲Ž

18G8

Costs:

Where actual project costs have been reasonably estimated:

Low = < \$10,000

Metium = \$10,000 to \$100,000

High = > \$100,000

Where actual project costs cannot reasonably be established at this time:

Low = Possible to fund under existing hudget. Project is part of, or can be part of an existing on-going program.

Medium = Could hadget for under existing work plan, but would require a reapportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.

High = Would require an increase in revenue via an alternative source (i.e., honds, grants, fee increases) to implement. Existing lunding levels are not adequate to cover the costs of the proposed project,

Benefits:

Where possible, an estimate of project benefits (per FEMA's bonofit calculation methodology) has been evaluated against the project costs, and is presented as:

Low = < \$10.000

Medium = \$10,000 to \$100,000

High = > \$100,000

Where numerical project benefits cannot reasonably be established at this time:

Low = Long-term benefits of the project are difficult to quantify in the short term.

Medium = Project will have a long-term impact on the reduction of risk exposure to life and property, or project will provide an immediate reduction in the risk exposure to

(Eigh = Project will have an immediate impact on the reduction of risk exposure to life and property

Potential FEMA HMA Funding Sources:

property.

FMA = Flood Mitigation Assistance Grant Program

HMGP = Hazard Mitigation Grant Program

PDM = Pre-Disaster Mitigation Grant Program

RFC = Repetitive Flood Claims Grant Program

SILL = Severe Repetitive Loss Grant Program

Timeline:

Short = 1 to 5 years

Long Term = 5 years or greater

OC = On-going program



DMA 2000 Hazard Mitgation Plan – Atlantic 4 Planning Area, New Jersey March 2014

DOF = Depending on funding

Notes for Mitigation Type:

- Local Plans and Regulations (LPR) These actions include government authorities, policies or codes that influence the way land and buildings are being developed and build.
 - Structure and Infrastructure Project (SIP). These actions involve modifying existing structures and infrastructure to protect them from a hazard or remove them from a bazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also involves projects to construct manmade structures
- Natural Systems Protection (WRP) These are actions that minimize damage and losses, and also preserve or restore the functions of natural systems.
- Education and Awareness Programs (EAP) These are actions to inform and educate citizens, elected officials, and properly owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities, and the protection of essential facilities.

JUNE 2015 UPDATE

of repairs at the time of each such flood event, on the average, equals or exceeds 20 percent of the market valve of the structure flood-related damages sustained by a structure on two or more separate occasions during a 10-year period for which the cost Cumulative Substantial Damages Ordinance which is also part of [No. 30-2014] classifying Substantial Damage as, "Damage of any origin sustained by a structure whereby the cost of restoring the structure to it's before damaged condition would equal No changes other that the previously noted Freeboard Height Ordinance [No. 30-2014] adopted in November of 2014 and a or exceed 40 percent of the market value of the structure before the damage occurred. Substantial Damage also means before the damages occurred.

JF June 2015





Atlantic County Multi-Jurisdictional Hazard Mitigation Plan Update

Worksheet #6 – Plan Integration

For a community to succeed in reducing risk in the long term, the information and recommendations of the hazard mitigation plan must be integrated into day-to-day local government operations. Throughout the planning process, partnerships are formed between departments and agencies, and sustained actions between these partners will increase the community's resilience to disasters. "Plan integration" can be thought of as the process whereby each local government will incorporate the mitigation plan findings and projects into other planning mechanisms (governance structures that are used to manage local land use development and community decision making).

For this Plan Update, FEMA requires:

- a summary of each jurisdiction's past progress in plan integration over the last planning cycle; and
- a description of plan integration activities that each jurisdiction expects to undertake over the course of the next planning cycle.

This worksheet has been set up, therefore, into two components with each portion focusing on one of the bullets above.

- <u>Demonstration of Progress over the Last Planning Cycle</u> In the first component of this
 worksheet (shaded in blue), we have reiterated the targeted plan integration activities
 that were included in the last version of the plan (Section 9, beginning on Page 9-4) in a
 tabular form, and are asking each community to describe their respective
 accomplishments since the plan was adopted five years ago.
- Targeted Plan Integration Activities for the Next Planning Cycle Similarly, in the second component of this worksheet (shaded in yellow), we have outlined a series of plan integration activities for the next five-year planning cycle. Please document to FEMA the manner in which your community will commit to integrate the hazard mitigation plan into your local government operations from this point forward.

Where integration activities are carried out by another jurisdiction through an intergovernmental agreement or by another layer of government (such as the county), please include a note on the bottom of this form and reference the section number on this form that the note is referring too.

Completed worksheets should be returned to via email to Don Weger at weger_don@aclink.org. If you have guestions or need help, please contact Anna Foley of URS at anna.foley@urs.com.

Name:_ Jason Frost_

Title: Asst. City Administrator

Community: City of Somers Point

Email and Phone: P: 609-927-9088 Ext 136 E: Jfrost@spgov.org

DEMONSTRATION OF PAST PROGRESS OVER THE LAST PLANNING CYCLE

Please check all activities that your municipality has undertaken over the last five years.

1. Check here if you (or your predecessor on the CPG) issued a letter to each of your community's department heads to solicit their support and explore opportunities for integrating hazard mitigation planning objectives into their daily activities?	 A. Check here if you (or your predecessor on the CPG) worked with your planning department to educate them on the Hazard Mitigation Plan and encourage that on the next update of your master plan, general or comprehensive plan, hazard mitigation for natural hazards is addressed. Please describe your coordination efforts in the space below. 	B. Check here if your municipality does not have a master, general, or comprehensive plan. C. Check here if your master, general or comprehensive was updated since 2009.	D. If you checked box 2C, please check here if natural hazard risk/mitigation was incorporated into the updated document, and describe how in the space below.	E. If you checked box 2C, please check here if a specific hazard mitigation element was added to the document, and describe in the space below.	3. Check here if you (or your predecessor on the CPG) coordinated with your building department to ensure that they have adopted and are enforcing the minimum standards established in the current State-adopted IBC. Please describe your coordination efforts in the space below.	4. A. If your community participates in the NFIP and was only enforcing minimum requirements at the time of the first plan's adoption, check here if you (or your predecessor on the CPG) coordinated with your Floodplain Administrator to determine if enforcement beyond FEMA minimum requirements would be prudent for your community. Please describe your coordination efforts in the space below.

Page 1 of 4

B. Check here if your community was already enforcing regulations beyond FEMA minimum requirements. C. Briefly explain here what is currently being enforced beyond FEMA minimum requirements.	D. Check here if your community has maintained its participation in the NFIP's Community Rating System (CRS). E. Check here if your community has joined the CRS since 2009. F. Check here if your community has dropped out of the CRS since 2009.	 A. Check here if your community has a local zoning ordinance. B. Check here if you (or your predecessor on the CPG) worked with your local zoning board to educate them on the Hazard Mitigation Plan and encourage consideration of low occupancy, low-density zoning in hazard areas, when practicable. Please describe your coordination efforts in the space below. 	6. A. Check here if any job descriptions were revised to include mitigation-related duties to further institutionalize mitigation. B. If so, describe.	7. A. Check here if capital or operating budgets were revised to include a line item for mitigation project funding. B. Check here if capital or operating budgets already included this when the plan was first adopted.	8. A. Check here if your Department of Public Works has adopted more rigorous procedures for inspecting and cleaning debris from streams and ditches (i.e., more frequently).	B. If so, describe.	9. A. Check here if your Planning Department has added hazard vulnerability to subdivision and site plan review criteria. B. If so, describe.	10. (NOTE: A response to #10 is only required for ACOEP; all municipalities, please leave blank) Check here if ACOEP sought to identify a community conservation society or other interested voluntary organization to perform inventories of historic sites in hazard areas that might require special treatment to protect them from specific hazards.	B. If so, describe.	11. Check here if your community has reached out to partner groups in the community (i.e., nonprofit organizations, businesses, etc.) to identify those who may be willing to donate goods or services and create a database of contact information and indicated goods/services.	B. If so, describe.

Page 2 of 4

						_		
12. Check here if your community has actively sought citizen volunteers to help implement mitigation programs and activities.	B. If so, please describe.	13. A. (NOTE: A response to #13A is only required for ACOEP; all municipalities, please leave blank) Check here if a list was compiled of state agencies that can lend their time, expertise and funds to the implementation of hazard mitigation projects.	B. (NOTE: A response to #13A is only required for ACOEP; all municipalities, please leave blank) Check here if assistance was provided to participating jurisdictions in reaching out to state agencies for support.	C. If A or B was checked, please describe.	14. A. Check here if your community has reached out to colleges and universities for technical assistance with hazard mitigation activities.	B. If so, please describe.	15. A. Check here if your community has met at least once with your local library staff members to discuss he mitigation plan so they are well-versed in its purpose and understand where to direct interested parties for more information, to provide feedback, or to become involved.	B. If so, please describe.

Page 3 of 4

TARGETED PLAN INTEGRATION ACTIVITIES FOR THE NEXT PLANNING CYCLE

Please check all activities that your municipality is committing to undertake over the next five years.

Atlantic County Multi-Jurisdictional Hazard Mitigation Plan Update Plan Integration Worksheet

Page 4 of 4

City of Somers Point Department of Administration



Seided 1693 Incorporated 1902

July 24, 2015

Ms. Foley,

Please find this note as certification that the recent submissions for the Atlantic County Hazard Mitigation Plan have been reviewed by the Somers Point Jurisdictional Assessment Team and that all documentation is still relevant at this time. Do not hesitate to reach out to me with questions or concerns regarding any of the above mentioned documentation.

Regards,

Phillip Gafney Emergency Management Coordinator

City of Somers Point

I West New Jersey Ave | Somers Point, NJ 08244

會: 609.927.6814 | 图: 609.653.6031 | 図: capt076@comcast.net

Jason Frost | Asst. City Administrator

City of Somers Point

1 West New Jersey Ave | Somers Point, NJ 08244

雷: 609.927.9088 Ext. 136 | ♣: 609.927.4014 | ⊠: jfrost@spgov.org



SOMERS POINT

Page 1.2.22 - 2

9.4.6 MITIGATION STRATEGY

This section discusses past mitigations actions and status, identifies hazard vulnerabilities, and describes proposed hazard mitigation initiatives.

Past Mitigation Actions/Status

Officials from the City of Somers Point noted the following mitigation actions which have been initiated and/or completed in the past:

 The City of Somers Point installed a check valve at the end of Edgewood Drive in 2012 and a stormwater pump station at Jordan Road in 1999.

Mitigation actions which have been, or will be incorporated into the City's planning and land use mechanisms are noted in Section 9.4.10 of this Annex.

Hazard Vulnerabilities Identified

The City has identified the following vulnerable areas:

- The area along Atlantic Avenue beginning at the intersection of Groveland Avenue and Atlantic through to the intersection of and just beyond Wilmont and Atlantic Avenues flood considerably due to an undersized drainage pipe.
- The intersection of Bethel Road and Route 9 floods as it cannot properly drain given the inadequate basin size and its relative low topographical point to the surrounding area.
- An inadequately sized pipe runs perpendicular roughly through the middle of Jordan Road,
 Osborne Road, Princeton Road, Haddon Road, and Ambler Road, then parallel along Dartmouth
 Road, then perpendicular across Exton Road floods due to the inadequate basin size that the pipe drains into and given its relative low topographical point to the surrounding area.
- The area that runs perpendicular to Schoolhouse Drive roughly through the middle of the block to Edgewood Drive floods due to rain and tidal water that cannot drain.
- A stretch of road along Exton Road between Cedar Court and Chapman Boulevard floods given
 its relative low topographical point to the surrounding area from tidal flooding.
- A stretch of road along Ocean Avenue from Philadelphia Avenue and Laurel Drive floods due to an undersized basin.
- There are multiple street ends (Dawes Avenue to Harned Avenue) to the marsh flowing out to Steelman's Bay along Bay Avenue that do not have check valves and flood due to tidal issues.
- There are multiple street ends (Maryland Avenue in addition to the street endings from New Jersey Avenue to Anna Avenue) flowing out to Ship Channel along Bay Avenue that do not have check valves and flood due to tidal issues.
- There is an area that runs perpendicular through Woodland Avenue across the block and across
 Somers Point Mays Landing Road to a small section behind Broadway Avenue that floods due to
 tidal and rain water drainage issues.
- There is flooding that occurs along Bucknell Road North and around the block to Bucknell Road South due to tidal issues.

SECTION 9.4: CITY OF SOMERS POINT

- There is flooding that occurs along Ambler Road from Yale Boulevard to Bala Drive due to tidal issues.
- There is flooding that occurs along Exton Road from Cornell Road to Bala Drive due to tidal issues.
- There is a section of pipe that runs perpendicular through Wisteria Walk across Laurel Drive that floods due to tidal and rainwater that cannot drain.
- There is a section along Somers Point Mays Landing Road that runs along the marsh and Patcong Creek that floods from the intersections of Horter Avenue to Cliveden Avenue and Woodlawn Avenue and beyond to the bridge to Egg Harbor Township.

PROPOSED HAZARD MITIGATION INITIATIVES 9.4.7

Some of the identified mitigation initiatives in the table below are dependent upon available funding (grants and local match availability) and may be modified or omitted at any time based on the occurrence of new hazard events and changes in municipal priorities.

Table 9.4-11. Proposed Hazard Mitigation Initiatives

Mitigation Category	Ŗ	S G	S B	a a	75
Priority	High	Нgh	High	High	ation, flood- nt mitigalion
Timeline	Short	Short	Short	Short	tigation options available as well as funding alternatives to mitigate valverable structures via retrofit (e.g. elevation, flood-future damage, with repetitive loss and severe repetitive loss properties as priority when applicable. Implement mitigation of rioritize. (In progress). (In progress). (Which one is true) (Which one is true)
Sources of Funding	HMGP, Municipal Budget	HMGP with Local Capital Improvements - Budget for 25% cost share	HMGP with Local Capital Improvements Budget for 25% cost share	HMGP with Local Capital Improvements Budget for 25% cost share	nerable structures is as priority when a svaltability.
Estimated Cost	Low	High	High	High	to miligate vuli i loss propertie id local match i
Estimated Benefits	High	High	High	High	ng allemathes swere rapatilive from FEMA an king with intere
Lead and Support Agencles	Municipality	City, DPW, City Engineer, Others	Cily, DPW, Cily Engineering, Others	City, DPW, City Engineering, Others	ss well as fundi litve loss and se allable funding s currently wort
Goals Met	IF	es .	м	e)	avallable i with repet sed on av re
Hazard(s) Mitgated	All Hazards	Flood, Severe Storm	Flood, Savare Storm, Severe Winter Storm	Floot, Severe Storm, Severa Winter Storm	f mitigation options : orn future damage, i d prioritize. Hon (in progress). It selected action ba t selected action ba g on which one is tru erable property own
Applies to New andfor Existing Structures:	NVA	Existing	Existing	Existing	the full range of ect structures if the structures if the structures if the properties at we mitigation opers to implementable with a structure of the structur
Mitigation Initiative	Fully participate in the 2015 update of the Attentic County Hazard Miligation. Plan and provide a letter of intent to Atlantic County Office of Emergency. Management.	Acquire three flood prone properties on Jordan Road.	Construct two pump stations including two diesel pumps at the end of Gulph Mill Road and Yele Blvd. 89 well as a pump station with one electric pump on School House Lane. These pump stations will be designed to ensure confinuous power will be available to the stations keeping them operational during a storm event.	Upgrade/retrofit undersized stormwater system elements with prioritized areas of: Bethel Road, Defeo Lane and Atlantic Avenue.	Prioritize problem properties; investigate the full range of mitigation options available as well as funding alternatives to mitigate value satisfication to protect structures from future damage, with repetitive loss and severe repetitive loss properties as priority when applicable. Implement mitigation the prioritized properties as funding bacomes available. Phase 2: Determine most cost-effective mitigation option (in progress). Phase 2: Determine most cost-effective mitigation option (in progress). Phase 2: Vorts with the property owners to implement selected action based on available funding from FEMA and local match availability. Phase 3: Work with the property owners to implement selected action based on available funding from FEMA and local match availability. Use one or the other of the two options below depending on which one is true The municipality has already conducted outreach to vulnerable property owners, and is currently working with interested property owners in the following area: * Jordan Road Area
aviteitini	-	5	ю	4	u)



DMA 2000 Hazard Mitigation Plan – Allantic 4 Planning Area, New Jersey March 2014

Category EAP 3 읈 믮 믮 noitegitlM Work together with the County and communities to develop and implement an enhanced all-hazards, public outreach / education / miligation information program on natural hazard risks Use multiple media formats including the posting of fiyers and other readily available NFIP informational materials at the City hall as well as distribution at cluic meetings and Prowding general natural hazard risk, preparedness and mitigation, and related NFIP information in regular newsletter and mailings with the goal to reach all residents and 를 Med Med Med Priority business owners with information necessary to allow them to proactively participate its their own community and property mitigation and as well as preparedness Preparation, distribution and analysis of public surveys with the intention to identify areas of particular intensit and/or concern to residents and business owners. Lang term DOF (specific project specific project application and Implementation (outreach and Identification); Short Termi DOF Short Term Long Term Timeline Ongoing Short ğ Developing/maintaining a natural hazard risk management webpage on the municipal website where information and mapping can be posted. programs with local or county programs and Municipal Budget; HMA Grants Programs and Sources of Funding Budget; HMA local budget (or property FEMA owner) for cost share Municipal Mundopal Municipal Existrac Budget Budget Grant match Estimated Medium Cost 配 鲁 튵 à and what they can do in the way of mitigation and preparedness, including flood insurance. This program will include Estimated Benefits Medium 듄 윤 HgH 튵 Engineering. OEM City with NJOEM, NJ FPA) with NJOEM, Lead and Support Engineering Somers Point OEM, County OEM DEP support Engineering Agencies Municipa vie NFIP Municipal Municipal FEMA support Goals 2,3 es es m N S. N Slorm, Severe Winter Storm Flood, Severe Storm, Storm, Severe Winter Storm, Flood, Severa Flood, Severe Hazard(s) Mitigated All Hazards All Hazards Existing Structures* Applies to New and/or New and Exfstling Existing Existing Existing New and ş Install check valves at streat ends that butt up to the Bay Additional pump stations at critical locations throughout Implement protect massures that are inclusive of but not limited to raking stations to meet increased other appropriate forums. implement protective measures to improvements throughout the City bulkheads along the bay frontage neluding the patential projects to: Enlarge existing pump Mitigation Initiative Participate in incentive-based facilitate stormwater system need for capacity See above programs such as CRS. throughout the City the City See above evitatini ώ œ æ

SECTION 9.4: CITY OF SOMERS POINT



ONA 2000 Hazard Mitigation Plan - Atlantic 4 Planning Area, New Jersey

aotjegiliM yrogetsO		G.	<u>ro</u>	<u>a</u>	gs
Priority		High-	High	E E	High
Timetino		Short DOF	Short	Short	Short
Sources of Funding		FEMA HMGP and Municipal Budget	FEMA HMGP and Municipal Budgel	FEMA HMGP and Municipal Budget	FEMA HMGP and Municipal Budget
Estimated Cost		High	High	High	HgH
Estimated Benefits		High	High	High	High
Lead and Support Agencies		City, DPW, Engineer and Others	City, DPW, Engineer, and Others	City, DPW, Engineer, and Others	City, DPW, Engineer, and Others
Goals Mot		는 e.	3,12,	3,11	3,11
Hazard(s) Mitlgated		Fhood, Severe Storm, Hurricane, Nor'Easter	Flood, Severe Storm, Hurricane, Nor'Easter	Flood, Severe Storn, Hurricane, Nor'Easter	Flood, Severe Storm, Hurricane, Nor Easter
Applies to New and/or Existing Structures*		New and Exleting	New and Existing	New and Existing	New and Existing
Mitigation Initiative	 Enlarge existing stormwater basins throughout the City to reduce potential flooding impacts to adjacent properties during storms. 	Install various sized tidal check valves throughout the City to address tidal influences which often flood the slomwater system and create slugitions where positive discharge into tidal waters may not be achieved, implement solutions as funding becomes available.	Investigation available options and funcing for the Installation of pump stations with two diesel pumps at the end of Guiph Mill Road and Yale Bordevard and a pump station with one electric pump on School House Lane. Implement solutions as funcing becomes available.	Implement prolective measures that would upgrade/nativost undersized stormwater system along Bethel Road and Defao Lane. Installation of a separate outfall with a tidal check vaive along Defao Avenue to reduce the amount of water that is extering the current system from other areas of the City. Inplement as funding becomes evaluable.	Implement protective measures that would upgrade/retroit undersized stormwater system along Allarbic Avenue. Implement as funding becomes available.
avitsitin)		10	1	27	13

Notes: "Does this mitigation initiative reduce the effects of hazards on new and/or existing buildings and/or infrastructure? Not applicable (N/A) is inserted if this does not apply.

Acronyms and Abbreviations:
ARC American Red Crass
Department of Public Works



SECTION 9.4: CITY OF SOMERS POINT

Federal Emergency Management Agency FEMA

Hazard Mitigation Assistance Hazard Mitigation Proposal EM

Not applicable NFIP

××

National Flood Insurance Program NYSOEM

New York State Office of Emergency Management National Oceanic and Atmospheric Administration

NOAA

U.S. Army Corp of Engineers U.S. Geological Survey SACE

Costs:

nses

Where actual project costs have been reasonably estimated:

Medium = \$10,000 to \$100,000 Low = < \$10,000

High = > \$100,000

Where actual project costs cannot reasonably be established at this time:

Low = Possible to fund under existing hudget. Project is part of, or can be part of an existing on-going program.

Medium = Could budget for under existing work plan, but would require a reapportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.

High = Would require an increase in revenue via an alternative source (i.e., bonds, grants, lee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.

Where possible, an estimate of project benefits (per FEMA's benefit calculation methodology) has been evaluated against the project costs, and is presented as:

Low = < \$10,000

Medium = \$10,000 to \$100,000

High = > \$100,000

Where numerical project benefits cannot reasonably be established at this time:

Low = Long-term benefits of the project are difficult to quantify in the short term.

Medium = Project will have a long-term intract on the reduction of risk exposure to life and property, or project will provide an immediate reduction in the risk exposure to

(Ligh = Project will have an immediate impact on the reduction of risk exposure to life and property

Potential FEMA HMA Funding Sources:

FMA = Flood Mitigation Assistance Grant Program

HMGP = Hazard Mitigation Grant Program

RFC = Repetitive Flood Claims Grant Program PDM = Pre-Disaster Mitigation Grant Program

SRL = Severe Repetitive Loss Grant Program

Short = 1 to 5 years

Long Term = 5 years on greater

OG = On-going program



DMA 2000 Hazard Mitigation Plan – Atlantic 4 Planning Area, New Jersey March 2014

SECTION 9.4: CITY OF SOMERS POINT

DOF = Depending on funding

Notes for Mitigation Type:

- Local Plans and Regulations (LPR) These autions include government authorities, policies or codes that influence the way land and buildings are being developed and build.
 - Structure and Infrastructure Project (SIP). These actions involve modifying existing structures and infrastructure to protect them from a hazard or remove them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also involves projects to construct mannade structures to reduce the impact of hazards.
 - Natural Systems Protection (NRP) These are actions that minimize damage and losses, and also preserve or restore the functions of natural systems.
- Education and Awareness Programs (EAP) These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Pirewise Communities, and the protection of essential facilities.

9.4.8 PRIORITIZATION OF MITIGATION INITIATIVES

The table below summarizes the priority levels for each mitigation initiative, listed by number.

Table 9.4-12, Prioritization of Mitigation Initiatives

Initiative #	# of Objectives Mot	Benefits	Costs	Do benefits equal or exceed costs? (Yes or No)	Is project Grant eligible? (Yes or No)	Can project be funded under existing programs/ budgets? (Yes or No)	Priority (High, Med., Low)
1	12	Н	L	Y	Y	N	High
2	1	Н	Н	Y	Y	N	High
3	1	Н	Н	Y	Y	N	High
4	1	Н	Н	Y	Y	N	High
5	2	Н	Н	Y	Υ	N	High
6	1	М	L	Υ	N	Υ	Med
7	2	Н	М	Y	N	Y	Med
В	1	Н	Н	Y	Y	Υ	Med
₽	2	Н	Н	Y	Υ	N	Med
10	4	Н	Н	Y	Y	N	High
11	4	Н	Н	Y	Υ	N	High
12	4	Н	Н	Y	Υ	N	High
13	4	Н	Н	Y	Y	N	High

Notes:

H = High

M = Medium

L = Low

N/A = Not applicable

N=No

Y = Yes

Explanation of Priorities

Explanations of priority classifications used to assess the mitigation initiatives described in this annex are presented below:

- High Priority = A project that meets multiple objectives (i.e., multiple hazards), where
 potential benefits exceed the costs. High-priority projects have funding secured or are ongoing projects that meet eligibility requirements for the Hazard Mitigation Grant Program
 (HMGP) or Pre-Disaster Mitigation (PDM) Grant Program. High-priority projects can be
 completed in the short term (1 to 5 years).
- Medium Priority = A project that meets goals and objectives, where the potential benefits
 outweigh the costs. Funding for medium-priority projects has not been secured but these
 projects are eligible for grants under HMGP, PDM, or other grant programs. These
 projects can be completed in the short term, once funding is completed. Medium-priority
 projects will become high-priority projects once funding is secured.
- Low Priority = A project that will mitigate the risk of a hazard, where the potential benefits do not exceed the costs or have benefits that are difficult to quantify. Funding for low-priority projects has not been secured and these projects are not eligible for HMGP or PDM grant funding. The timeline for completion is considered long term (1 to 10 years). Low-priority projects may be eligible other sources of grant funding from other programs. A low-priority project could become a high-priority project once funding is secured as long as it could be completed in the short term.

9.4.9 FUTURE NEEDS TO BETTER UNDERSTAND RISK/VULNERABILITY

The City of Somers Point has no additional risk vulnerabilities that need to be addressed at this time.

9.4.10 HAZARD AREA EXTENT AND LOCATION

Hazard area extent and location maps illustrating the probable areas impacted within the City of Somers Point are provided on the following pages. Each map is based on the best data available at the time of the preparation of this plan, and is considered to be adequate for planning purposes. Maps have only been generated for those hazards that can be clearly identified using mapping techniques and technologies, and for which the City of Somers Point has significant exposure. The Planning Area maps are provided in the hazard profiles within Section 5.4, Volume I of this Plan.

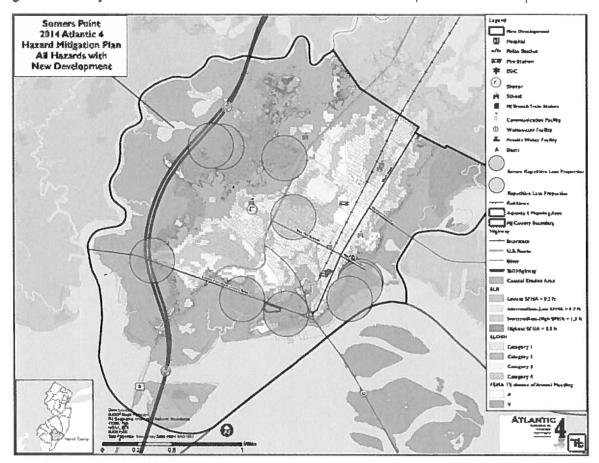


Figure 9.4-1. City of Somers Point Hazard Area Extent and Location Map with New Development

Source: FEMA, NOAA, NJDEP, ACGIS 2013

Note: The entire municipality is vulnerable to the following hazards: drought, earthquake, severe storm, and severe winter

NFIP National Flood Insurance Program.

RL Repetitive Loss.

SRL Severe Repetitive Loss.

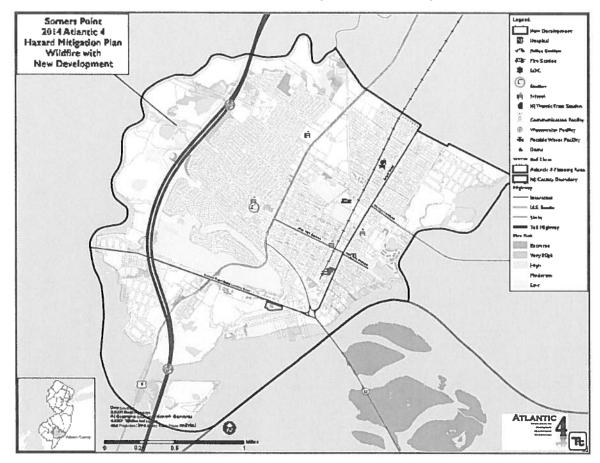


Figure 9.4-2. City of Somers Point Wildfire Hazard Map with New Development

Source: NJDEP, ACGIS 2013

9.4.11 ADDITIONAL COMMENTS

There are no additional comments at this time.



Mitigation Project Capture Sheet

Contact Information:

Name: Wes Swain

Title: City Administrator

Department/Agency: City of Somers Point

Telephone: 609-927-9088 Ext 128

Project Location:

PROPERTY ACQUISITION Jordan Rd

Project Description (Please include what will be done, what hazards it will mitigate, how it will mitigate those hazards and what losses will be reduced:

- 1. The project that is being applied for entails the acquisition of three (3) flood prone properties. All three properties experience repetitive flood damage due to stormwater events and have expressed an interest to the City in being acquired. The properties in question are located at the end of a stormwater collection system which collects stormwater from approximately 105 acres. The City of Somers Point has already spent over \$750,000.00 to install a pump station at the location of the outfall. While this has reduced the amount of flooding events, these homes are still experiencing persistent flooding. If these properties were acquired, they would be demolished and the land would be graded into drainage basins to store any flood waters. This proposal is consistent with the Hazard Mitigation Plan of Somers Point and Atlantic County, NJ that is being developed and that will be adopted by October 2014.
- 2. The project proposal has been developed by using the FEMA HMA unified guide.
- 3. There will be three (3) property acquisitions, which are located at Block 1129, Lots 24 and 25 and Block 1127, Lot 9.
- 4. This project is considered an acquisition project but there will be flood control benefits as the property would be graded into stormwater detention facility to prevent flooding into the street and neighboring properties.
- 5. A benefit cost analysis has not been done for this project. One home is a split-level home where the cost of elevating the home is cost prohibitive.
- 6. This project does not involve hazardous materials or historic site issues but will need approval from the New Jersey Department of Environmental Protection.
- 7. This project does involve private property. The public will be served by reducing the flooding to neighboring properties.



- 8. The City will fund their share of the project through their Capital Improvement funding.
- 9. The Municipality is participating in NFIP but not CRS. The project does not involve SRL, but does involve RFC properties.
- 10. The problem could not be resolved through maintenance as the flooding is due to excess stormwater runoff. The current stormwater system is maintained to prevent flooding due to blockages.
- 11. The project is unique in that it entails property acquisition along with flood control.

Lead Agency: City	Support Agencies: City DPW, City Engineer, Other
Project Cost: High, Approx. \$820,000	Funding Source (if known): FEMA Hazard Mitigation Grant with Local Capital Improvements Budget for 25% cost share.
Timeline: Short	

Costs:

If an estimated cost is known, please provide or use the following ranges:

Low = < \$10.000 Medium = \$10,000 to \$100.000 High = > \$100,000

If costs have not been estimated, please use the following:

<u>Low</u> = Possible to fund under existing budget. Project is part of, or can be part of an existing on-going program.

<u>Medium</u> = Could budget under existing work-plan, but would require a reapportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.

<u>High</u> = Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.

Funding Source:

Please identify the anticipated funding source, which could be "Grant funding with local cost share".

Timeline:

Short = 1 to 5 years. Long Term= 5 years or greater. OG = On-going program. DOF = Depending on funding.



Mitigation Project Capture Sheet

Contact Information:

Name: Wes Swain

Title: City Administrator

Department/Agency: City of Somers Point

Telephone: 609-927-9088 Ext 128

Project Location:

TIDAL CHECK VALVES
Various Locations (11 Sites: See Attached)

Project Description (Please include what will be done, what hazards it will mitigate, how it will mitigate those hazards and what losses will be reduced:

- 1. The project that is being applied for entails the installation various sized tidal check valves throughout the City. Tidal influences often flood the stormwater system and create situations where positive discharge into tidal waters may not be achieved. Under normal conditions, tidal flooding surcharges the system and discharges tidal water back through inlets and into the streets where homes can be flooded. This proposal is consistent with the Hazard Mitigation Plan of Somers Point and Atlantic County, NJ that is being developed and that will be adopted by October 2014.
- 2. The project proposal has been developed by using the FEMA HMA unified guide.
- 3. There will be no property acquisition or property elevated for this project.
- 4. This project is considered a flood control project for the municipality. Minor excavation will be required for this project. The most tidal flood prone areas of the City will be protected with this project.
- 5. A benefit cost analysis has not been done for this project.
- 6. This project does not involve hazardous materials or historic site issues but will need approval from the New Jersey Department of Environmental Protection.
- 7. This project does not involve any private property.
- 8. The Township will fund their share of the project through their Capital Improvement funding set aside for 2013. The facility was not damaged by a declared disaster.
- 9. The Municipality is participating in NFIP but not CRS. The project does not involve SRL or RFC properties.



- 10. The problem could not be resolved through maintenance as tidal water can enter and surcharge the system even though it is maintained. The current stormwater system is maintained to prevent flooding due to blockages.
- 11. The project is unique by blocking tidal flooding from entering the stormwater system.

Lead Agency: City	Support Agencies: City DPW, City Engineer, Other
Project Cost: High, Approx. \$167,000	Funding Source (if known): FEMA Hazard Mitigation Grant with Local Capital Improvements Budget for 25% cost share.
Timeline: Short	

Costs:

If an estimated cost is known, please provide or use the following ranges:

Low = < \$10,000 Medium = \$10,000 to \$100,000 High = > \$100,000

If costs have not been estimated, please use the following:

<u>Low</u> = Possible to fund under existing budget. Project is part of, or can be part of an existing on-going program.

<u>Medium</u> = Could budget under existing work-plan, but would require a reapportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.

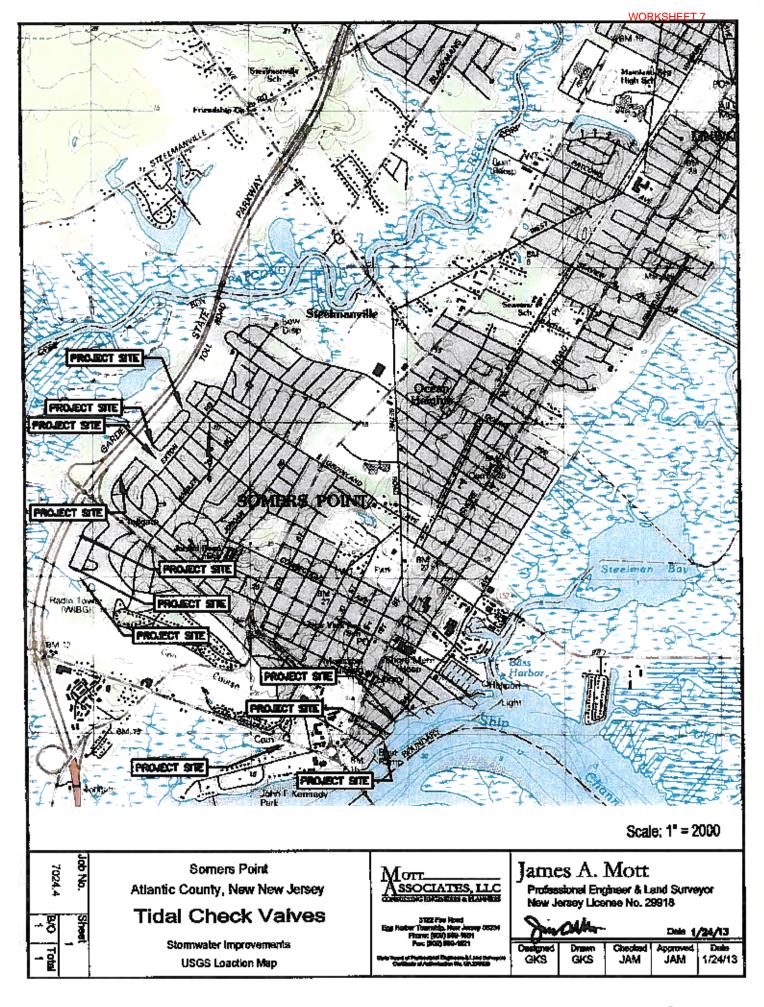
<u>High</u> = Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.

Funding Source:

Please identify the anticipated funding source, which could be "Grant funding with local cost share".

Timeline:

<u>Short</u> = 1 to 5 years. <u>Long Term</u> = 5 years or greater. <u>OG</u> = On-going program. <u>DOF</u> = Depending on funding.





Mitigation Project Capture Sheet

Contact Information:

Name: Wes Swain

Title: City Administrator

Department/Agency: City of Somers Point

Telephone: 609-927-9088 Ext 128

Project Location:

PUMP STATION INSTALLATIONS Gulph Mill Rd & Yale Blvd

Project Description (Please include what will be done, what hazards it will mitigate, how it will mitigate those hazards and what losses will be reduced:

- 1. The project that is being applied for entails the installation of pump stations with two diesel pumps at the end of Gulph Mill Road and Yale Boulevard and a pump station with one electric pump on School House Lane. The Gulph Mill Road, Yale Boulevard, and School House Lane stormwater systems are responsible for conveying stormwater for over 170 acres of the City. All three systems drain into Patcong Creek. When there are tidal waters that flood the system, tidal water is discharged back into the inlets into the street. Tidal check valves are proposed to be installed so that tidal water cannot surcharge the system. Unfortunately, this creates a problem if there is a large amount of precipitation that falls during tidal flooding as the tidal check valves will not open and flooding from precipitation will occur. This project consists of the installation of pump stations so that when the tidal check valves are closed, stormwater can still be pumped into Patcong Creek. This proposal is consistent with the Hazard Mitigation Plan of Somers Point and Atlantic County, NJ that is being developed and that will be adopted by October 2014.
- 2. The project proposal has been developed by using the FEMA HMA unified guide.
- There will be no property acquisition or property elevated for this project.
- 4. This project is considered a flood control project for the municipality. Excavation will be required for this project. The system drains stormwater into Patcong Creek.
- A benefit cost analysis has not been done for this project.
- 6. This project does not involve hazardous materials or historic site issues but will need approval from the New Jersey Department of Environmental Protection.
- 7. This project does not involve any private property.
- 8. The City will fund their share of the project through their Capital Improvement funding.



- 9. The Municipality is participating in NFIP but not CRS. The project does not involve SRL or RFC properties.
- 10. The problem could not be resolved through maintenance as the flooding is due to tidal flooding. The current stormwater system is maintained to prevent flooding due to blockages.
- 11. The project is unique in that it entails the pumping of stormwater when tidal check valves are closed so that stormwater can still discharge from the stormwater system.

Lead Agency: City	Support Agencies: City DPW, City Engineer, Other
Project Cost: High, Approx. \$1,700,000	Funding Source (if known): FEMA Hazard Mitigation Grant with Local Capital Improvements Budget for 25% cost share.
Timeline: Short	

Costs:

If an estimated cost is known, please provide or use the following ranges:

Low = < \$10.000 Medium = \$10,000 to \$100,000 High = > \$100,000

If costs have not been estimated, please use the following:

<u>Low</u> = Possible to fund under existing budget. Project is part of, or can be part of an existing on-going program.

<u>Medium</u> = Could budget under existing work-plan, but would require a reapportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.

<u>High</u> = Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.

Funding Source:

Please identify the anticipated funding source, which could be "Grant funding with local cost share".

Timeline:

Short = 1 to 5 years. Long Term = 5 years or greater. \underline{OG} = On-going program. \underline{DOF} = Depending on funding.



Mitigation Project Capture Sheet

Contact Information:

Name: Wes Swain

Title: City Administrator

Department/Agency: City of Somers Point

Telephone: 609-927-9088 Ext 128

Project Location:

BETHEL RD STORMWATER IMPROVEMENTS Along Bethel Rd in Somers Point NJ.

Project Description (Please include what will be done, what hazards it will mitigate, how it will mitigate those hazards and what losses will be reduced:

- 1. The project that is being applied for entails the replacement of an undersized stormwater system along Bethel Road and Defeo Lane. The end of the current system has a 12" corrugated metal pipe that is responsible for conveying stormwater for over 20 acres of the City. The project also consists of the installation a separate outfall with a tidal check valve along Defeo Avenue to reduce the amount of water that is entering the current system from other areas of the City that are currently connected. During rainstorms with moderate precipitation, the current system is overloaded with the amount of water that it is receiving and flooding occurs along Bethel Road. If heavy precipitation occurs, flooding from the street overflows into private properties. This proposal is consistent with the Hazard Mitigation Plan of Somers Point and Atlantic County, NJ that is being developed and that will be adopted by October 2014.
- The project proposal has been developed by using the FEMA HMA unified guide.
- There will be no property acquisition or property elevated for this project.
- 4. This project is considered a flood control project for the municipality. Excavation will be required for this project to replace an inadequately sized stormwater conveyance system. The system drains stormwater into Patcong Creek.
- A benefit cost analysis has not been done for this project.
- 6. This project does not involve hazardous materials or historic site issues but will need approval from the New Jersey Department of Environmental Protection.
- 7. This project does not involve any private property.
- 8. The City will fund their share of the project through their Capital Improvement funding.



- The Municipality is participating in NFIP but not CRS. The project does not involve SRL or RFC properties.
- 10. The problem could not be resolved through maintenance as the flooding is due to an inadequately sized stormwater system. The current stormwater system is maintained to prevent flooding due to blockages.
- 11. The project is unique in that it entails replacing an antiquated stormwater system with a system that is designed for the stormwater runoff of the present and future.

Lead Agency: City	Support Agencies: City DPW, City Engineer, Other
Project Cost: High, Approx.\$330,500	Funding Source (if known): FEMA Hazard Mitigation Grant with Local Capital Improvements Budget for 25% cost share.
Timeline: Short	

Costs:

If an estimated cost is known, please provide or use the following ranges:

Low = <\$10,000 Medium = \$10,000 to \$100,000 High = >\$100,000

If costs have not been estimated, please use the following:

<u>Low</u> = Possible to fund under existing budget. Project is part of, or can be part of an existing on-going program.

<u>Medium</u> = Could budget under existing work-plan, but would require a reapportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.

<u>High</u> = Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.

Funding Source:

Please identify the anticipated funding source, which could be "Grant funding with local cost share".

Timeline:

Short = 1 to 5 years. Long Term= 5 years or greater. $\underline{OG} = \text{On-going program}$. $\underline{\underline{DOF}} = \text{Depending on funding}$.



Mitigation Project Capture Sheet

Contact Information:

Name: Wes Swain

Title: City Administrator

Department/Agency: City of Somers Point

Telephone: 609-927-9088 Ext 128

Project Location:

ATLANTIC AVE STORMWATER IMPROVEMENTS Along Atlantic Ave. in Somers Point NJ.

Project Description (Please include what will be done, what hazards it will mitigate, how it will mitigate those hazards and what losses will be reduced:

- 1. The project that is being applied for entails the replacement of an undersized stormwater system along Atlantic Avenue. The current system has a 15" corrugated metal pipe that is responsible for conveying stormwater for over 75 acres of the City. During rainstorms with moderate precipitation, the system is overloaded with the amount of water that it receives and flooding occurs along Atlantic Avenue and the neighboring streets. If heavy precipitation occurs, flooding from the streets overflows into private properties. This proposal is consistent with the Hazard Mitigation Plan of Somers Point and Atlantic County, NJ that is being developed and that will be adopted by October 2014.
- 2. The project proposal has been developed by using the FEMA HMA unified guide.
- 3. There will be no property acquisition or property elevated for this project.
- 4. This project is considered a flood control project for the municipality. Major excavation will be required for this project to replace an inadequately sized stormwater conveyance system. The system drains stormwater into Steelmans Bay.
- A benefit cost analysis has not been done for this project.
- 6. This project does not involve hazardous materials or historic site issues but will need approval from the New Jersey Department of Environmental Protection.
- This project does not involve any private property.
- 8. The City will fund their share of the project through their Capital Improvement funding.
- 9. The Municipality is participating in NFIP but not CRS. The project does not involve SRL or RFC properties.



- 10. The problem could not be resolved through maintenance as the flooding is due to an inadequately sized stormwater system. The current stormwater system is maintained to prevent flooding due to blockages.
- 11. The project is unique in that it entails replacing an antiquated stormwater system with a system that is designed for the stormwater runoff of the present and future.

Lead Agency: City	Support Agencies: City DPW, City Engineer, Other
Project Cost: High, Approx.\$1,199,100	Funding Source (if known): FEMA Hazard Mitigation Grant with Local Capital Improvements Budget for 25% cost share.
Timeline: Short	

Costs:

If an estimated cost is known, please provide or use the following ranges:

Low = <\$10.000 Medium = \$10,000 to \$100,000 High = >\$100,000

If costs have not been estimated, please use the following:

<u>Low</u> = Possible to fund under existing budget. Project is part of, or can be part of an existing on-going program.

<u>Medium</u> = Could budget under existing work-plan, but would require a reapportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.

<u>High</u> = Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.

Funding Source:

Please identify the anticipated funding source, which could be "Grant funding with local cost share".

Timeline:

Short = 1 to 5 years. Long Term = 5 years or greater. $\underline{OG} = \text{On-going program}$. $\underline{DOF} = \text{Depending on funding}$.



Atlantic County Multi-Jurisdictional Hazard Mitigation Plan Update

OUTREACH LOG:

Summary of Outreach Activities to the General Public and Other Stakeholders

City of Somers Point

DATE OF ACTIVITY	TYPE OF ACTIVITY	ACTIVITY DETAILS	LEAD DEPARTMENT AND/OR STAFF TITLE WHO UNDERTOOK ACTIVITY
Continual	Electronic Posting	The City website has links to the Atlantic County Hazard MitIgation Plan and our Planned Participation, A Sandy Recovery Survey, The Local Office of Emergency Management, and additional information regarding the city's Storm Ready Designation, access to our Code Red System, and Emergency Evacuation Information	Dept. of Administration
4/25/15	Meet and Greet with the Public	Office of Emergency Management held a "meet and greet" with the Public at the Annual Bayfest In Somers Point. Members educated the public on Storm Preparedness and our tentative participation in the County Hazard Mitigation Plan	Dir. Of Emergency Management and Staff
1/28/15	Direct Mailing	Dept. of Administration sent mailings to over 400 residents whose homes would be impacted by Ferna flood map changes and invited them to attend a FEMA sponsored event held February 5, 2015 in Ventnor NJ.	Dept. of Administration
1/22/15	Presentation to City Council / Dissemination of Info./ Request for Public Feedback	The Director of Emergency Management presented to the governing body with regard to participation in the County HMP which is spearheaded by the Atlantic County Emergency Management Office. He explained that the parameters of the plan and asked for feedback from the Public and Governing Body. President Kern stated that she will give this to a subcommittee to work with Emergency Management going forward.	Dire. Of Emergency Management

Continual Electronic Posting OEM Maintains a Facebook page which gives residents and visitors updates on Storms, Emergencies, Outreach, and Community Information.	Office of Emergency Management
--	--------------------------------

Please add additional pages as needed and return via email to Anna Foley at: anna.foley@urs.com. For questions, please call 973-883-8500.