

APPENDIX D –

PARTICIPATING JURISDICTIONS ACTION ITEM PRIORITIZATION SHEETS



PRIORITIZATION OF ACTIONS

Monmouth County

(Name of Jurisdiction) _____

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Project # 1 (See Attached)	+	+	+	+	0	0	+	0	+	0	HIGH	LOW	HIGH
Project # 2A (See Attached)	+	+	0	+	0	0	+	+	+	0	HIGH	MED	MED
Project # 2B (See Attached)	+	+	0	0	0	-	0	-	+	-	MED	HIGH	LOW

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

Monmouth County

(Name of Jurisdiction) _____

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Project # 3 (See Attached)	+	+	0	0	0	+	+	+	0	+	MED	LOW	MED
Project # 4 (See Attached)	+	+	0	0	0	0	+	+	+	0	HIGH	MED	MED
Project # 5 (See Attached)	+	+	-	+	0	+	0	0	+	0	HIGH	HIGH	MED

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

Monmouth County

(Name of Jurisdiction) _____

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Project # 6 (See Attached)	+	+	0	+	+	+	+	0	+	0	HIGH	MED	HIGH

Please attach additional pages as needed.

MONMOUTH COUNTY PROJECTS FOR PRE-DISASTER MITIGATION PLAN

1. RETROFIT EXISTING FACILITIES FOR STORAGE OF CRITICAL EQUIPMENT PRESENTLY HOUSED AT FLOOD-PRONE HIGHWAY DISTRICT GARAGES

Highway districts #1 (Belford) and #8 (Hazlet)

Monmouth County stores equipment at regional Highway District Garages. There are flooding problems at County Highway District #1, in the Belford section of Middletown and at County Highway District #8, in Hazlet. Critical equipment necessary to prepare for, respond to and recover from natural disasters would be moved to other Highway District Garages or other County facilities. These other existing facilities need to be retrofitted and expanded to provide adequate storage.

2. REGIONAL STORMWATER MANAGEMENT (Phase 1 – Hydrological and Drainage Studies ----- Phase 2 – Acquisition/Construction of Sediment Management Site)

2A. Phase 1: Identify and Prioritize critical stream segments and receiving water bodies most often flooded, Develop and Secure Permits to clean, dredge, widen and otherwise improve water flow to reduce flooding impacts and flooded areas.

2B. Phase 2: Acquire Properties for Regional Dredge Management Site(s), Design and Secure Permits to construct appropriate facilities for acceptance, storage and reuse of the materials removed from impacted streams and lakes. Construct Facilities.

3. PROTECTIVE MEASURES FOR UTILITY RIGHTS-OF-WAY

Upgrade existing power line, natural gas, water supply and sewer easements served by unimproved dirt roads or trails to assure ready access by emergency response and repair vehicles, in cooperation with local utilities. (Many Utility ROW have become impassable without 4WD vehicles and on-the-spot cut and fill; and severely impede timely storm preparation or repairs.)

4. PURCHASE OF FLOOD-PRONE PROPERTIES

Acquisition and deed restriction of properties Monmouth County and locally active conservation organizations have identified for preservation which are located in flood-prone areas.

5. UPGRADE CRITICAL COUNTY ROADS AND BRIDGES IMPACTED BY FLOODING

Under this project, Monmouth County will investigate and prioritize roadways and bridges with history of flooding with negative implications to public safety with respect to the drivers and/or nearby residents' mobility. Once they have been prioritized, County will then develop a schedule to proceed with the design of improvements to the specific critical County facility to safeguard the infrastructure as well as the general public utilizing the said critical County facility.

- An example of a critical Monmouth County facility upgrade which may fall under this project is the Monmouth County Route 7, Palmer Avenue, on the Holmdel-Middletown

border, just north of State Route 35. The roadway, which has a history of frequently flooding, is a two lane arterial which serves as a direct link between SR35, CR516 and SR36 to the north. Residents on a local residential street, Billingsgate Drive, are essentially trapped when Palmer Avenue floods since the only access to the neighborhood is via Palmer Avenue. Specifically, the roadway floods in two areas:

- South of Billingsgate Drive which floods for a length of several hundred feet. The low point of the roadway is at the headwaters of a tributary branch of the Waackaack Creek.
- North of Billingsgate Drive in the vicinity of a Monmouth County bridge (H-5) where CR7, Palmer Avenue, crosses a tributary of the Waackaack Creek. While this area floods less frequently than the first area, it is of concern.

Potential means to address the flooding in the first area is de-silting & de-snagging the tributary branch and/or raising the roadway to be above the common flood elevation. Correcting the flooding at the second area will require investigation of alternatives and their impacts to the surrounding area. With funding, alternatives will be investigated, moved to final design, and construction of remedial repairs and reconstruction Palmer Avenue and the bridge may be performed.

- Another example of critical facilities that may fall under this project is the bridges and roadways that are associated with high hazard potential (Class I) dams in the County. By NJDEP Dam Safety Standards, high hazard potential dams are “those dams, the failure of which may cause the probable loss of life or extensive property damage.”

While we understand that the primary dam structure, i.e. the spillway system, is not a fundable project, the bridge and roadway, which are linked to the dam due to the spillway system being just upstream of the bridge and associated roadway, are eligible. It is imperative that when a high hazard dam is rehabilitated to safely discharge the State required rainfall event between the 100-year storm event and the Probable Maximum Precipitation event, the bridge and roadway will also have to be upgraded or the safety problem is just being transferred to the adjoining bridge and roadway. The safety problem may be from the bridges and roadways flooding due to inadequate capacity to safely pass the flow being discharged through the spillway and/or the structural integrity of the bridge and roadways being compromised by the spillway discharge.

This is a major issue for the County as generally speaking, Monmouth County does not own the primary dam structure but owns the adjoining properties in the form of a bridge and roadway. There are currently nine (9) high hazard potential dams of which three (3) are owned and maintained by various Water Supply Authorities and six (6) have the County identified as a co-owner. Of these six (6) dams, one has been rehabilitated within the last ten years and five (5) require major rehabilitation to maintain its integrity for public safety. They are:

- Monmouth County Bridge U-12 and County Route 539, Main Street, are connected to the spillway system of Allentown Dam. The County has recently completed the

design for rehabilitation of the dam, bridge, and roadway by partnering with the local owner, the municipality. County is currently proceeding to advertisement, award, and the construction of the necessary rehabilitation work to maintain the integrity of the dam. The associated bridge is being reconstructed and the associated roadway is being upgraded to ensure safe passage of the necessary spillway discharge as per NJDEP Dam Safety Standards.

- Monmouth County Bridge MN-10 and County Route 527, Sweetman's Lane, are connected to the spillway system of Millhurst Mill Dam. The design for rehabilitation of the dam, bridge and roadway are being finalized and will be in compliance with the NJ Dam Safety Standards to ensure public safety.
- Monmouth County Bridge HL-72 is connected to the spillway system of Echo Lake Dam. The design for rehabilitation of the dam, bridge and roadway are being finalized and will be in compliance with the NJ Dam Safety Standards to ensure public safety.
- Monmouth County Bridges MA-9 and MA-13 and roadways are connected to the spillway systems of Lake Lefferts Dam and Matawan Lake Dam respectively. The bridges and roadways will need to be upgraded when the dams are rehabilitated to be in compliance with the NJ Dam Safety Standards to ensure public safety.
- Other examples of critical facilities are bridges susceptible to scour as a result of nor'easters or hurricanes. In particular, Monmouth County Bridge W-43 carries a coastal roadway immediately adjacent to the Atlantic Ocean. The substructures are exposed to direct tidal and storm flow. The substructures can be easily undermined by significant natural events (and have been in the past):
 - The bridge currently has suffered from scour conditions because a seawall was breached by a barge collision thereby exposing the south abutment to scour. A major storm event could compromise the structure.
 - The rip rap seawall immediately west of the bridge has suffered the same fate and further undermining could affect adjacent residential properties.

Monmouth County owns and operates three (3) other coastal bridges that are also susceptible to wave, tidal and storm surge damage. Each of these would require a form of armoring to limit damage.

6. SPECIAL NEEDS SHELTER HARDENING

Retrofit, harden and make structural improvements to the four (4) regionally designated Special Needs Population Evacuation Shelters that are located outside of flood prone and other high hazard areas and are considered critical infrastructure.

Based on the list of approved American Red Cross Shelters, four (4) regional critical infrastructure sites will be identified as "regional hub" (supply distribution) and Special Needs Shelters. The hardening of these shelters would include making them resistive to high winds and flooding from

Nor'easters and hurricanes. It would also harden them against the adverse conditions of tornados, winter storms, and utility outages protecting against extreme temperature differences. The project will include fire resistive construction products that will aid in protection from wildfires and lightning strikes. None of these critical infrastructure sites are located in such an area that is susceptible to storm surge, wave action, coastal erosion or dam failure. These sites are located in the municipalities of Neptune, Holmdel, Tinton Falls and Colts Neck.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Aberdeen Township

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Create a mitigation outreach program that helps residents prepare for disasters.	+	0	+	+	+	+	0	+	+	+	High	Low	High
Develop specific mitigation solutions for flood-prone roadways, specifically State Highway 35 at Long Neck Creek, Lakeshore Drive and Greenwood Ave., and Amboy Ave., under the leadership of NJDOT. Develop a work plan for when sites will be surveyed and what role can the local government play in selection and implementation of mitigation activities (e.g. any monetary or contextual support through the local capital improvement plan).	-	+	-	+	0	-	0	-	0	-	Medium	High	Medium

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) **BOROUGH OF ALLENHURST NJ0130100**

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Action Number 2.B Create a mitigation outreach program that helps residents prepare for disasters.	0	+	+	+	0	0	0	0	+	+	High	Low	High
Action Number 11.A Purchase NOAA weather radios for critical facilities.	0	+	+	+	0	0	0	+	+	+	High	Low	High
Action Number 11.B Educate residents about driving in winter storms and handling winter related health effects.	0	0	+	+	+	0	0	+	0	+	Medium	Low	Medium

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) **BOROUGH OF ALLENHURST NJ0130100**

Action Number 3.D Publish and distribute pamphlets on water conservation techniques and drought management strategies.	0	+	0	+	0	+	0	+	0	+	Medium	Low	Medium
Action Number 6C Public awareness/outreach regarding the use of ground outlets and surge protectors in homes and businesses.	0	+	+	+	0	+	0	+	0	+	High	Low	High

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Allentown Borough

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Educate residents about what to do before, during and after a flood.	+	+	+	+	+	+	+	+	+	+	High	Low	Medium
Develop inventory of addresses for route alerting during a wildfire.	0	+	+	+	+	+	+	+	+	+	High	Low	Medium
Reconstruct existing dam.	+	+	-	+	-	+	+	-	+	0	High	High	High

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) City of Asbury Park

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Repair damaged storm drains throughout city to alleviate localized flooding.	+	+	-	+	0	-	+	+	+	-	High	Medium	Medium
Replace bulkhead and increase bulkhead heights for Wesley and Sunset Lakes.	+	+	-	+	-	+	+	+	+	-	High	High	High
Dredge Wesley and Sunset Lakes to increase storage capacity.	+	+	-	+	+	+	+	+	+	+	High	High	High

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Atlantic Highlands

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)										(high, medium, or low)		
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Project #1 μ See Attached Hillside Road μ Phase II	+	+	0	+	0	+	+	- Plan needs engineering and funds	+	-	High	Med	High
Project #2 μ See Attached Fireman's Field	+	+	0	+	-	+	-	- Requires design, plans, permits, & grants	+	-	High	Med	Med
Project #3 μ See Attached Bayside Drive Erosion Stabilization	+	+	0	+	0	+	+	- Requires design, plan, & funds	+	-	High	High	Med

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Atlantic Highlands

Priority #1 – Hillside Road – Phase II

Design and construct proper drainage so the area will be free of erosion that flows at a high velocity downhill. This will eliminate damage to municipal and 4 private property homes that are in the downstream line of the drainage. To date, insurance claims have been submitted and paid due to this problem.

Priority #2 – Fireman's Field

Design and construct a gabion wall drainage system or place sheathing along creek to protect the only recreational baseball, football and soccer park from constant flooding during heavy storms. Proper DEP permits will be needed and work has to be coordinated with the BJ Natural Gas Company due to area contamination. This work will eliminate flooding and loss of field use caused by inland and at times, coastal flooding.

Priority #3 – Bayside Drive Erosion Stabilization

This will reduce or eliminate erosion and the possible failure of the roadway which includes underground utilities (gas and water). If this area were to fail, it is possible that homeowners would be landlocked with no way to exit to safety. The project would stabilize approximately one mile of roadway that runs along side the Raritan / Sandy Hook Bay. The hillside improvement would reduce the weight associated with the current damage being monitored.



PRIORITIZATION OF ACTIONS

Avon By The Sea

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Continue outreach efforts to residents and businesses through the quarterly Borough newsletter and Borough website	+	+	+	+	+	+	+	+	0	+	Medium	low	Medium
Establish a resource library in cooperation with the librarian at the Borough Free Public Library to include printed materials as well as electronic data from the internet related to natural disasters	+	+	+	+	+	+	+	+	+	+	Medium	Low	Medium
Evaluate vulnerabilities of existing emergency facilities including the Municipal Building (Police & Fire HQ) First Aid Building and water Treatment Plant. Develop action plan for deficiencies identified	+	+	+	+	+	+	+	+	+	+	High	Low	High

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PRIORITIZATION OF ACTIONS

Avon By The Sea _____

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Expand upon the lake management efforts for the Sylvan lake to reduce damage from flooding. Include additional wal replacement and dredging activities to remove silt from steams feeding the lake	+	+	+	+	+	-	+	-	+	-	Medium	High	Low

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Belmar

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Continue implementing projects identified in Capital Improvements Plan.	+	+	+	+	+	+	+	+	+	-	High	Medium	Medium
Stabilization of Shoreline.	+	+	+	+	+	+	+	+	+	+	High	Medium	Medium
Lake Como Flooding Mitigation Project.	+	+	+	+	+	+	+	-	+	-	High	Medium	High

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Bradley Beach Borough

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)										(high, medium, or low)		
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Continue to implement measures to mitigate ocean and lake flooding due to hurricanes and large storms. This includes the new installation of outfall pipes and bulk-heading around Sylvan Lake and continued maintenance of the dunes which run along the entire beachfront.	+	+	0	+	0	+	+	+	+	0	High	High	Medium
Action 14.A-Conduct evaluations of emergency facilities to determine the level of protection from flooding and wind damage.	+	+	0	0	0	0	0	+	0	+	Medium	Low	Medium
Action 2.D-Continue to support and fund the Borough's Community Emergency Response Team (CERT)	+	+	+	+	+	+	+	+	+	+	High	Low	Medium

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Bradley Beach Borough

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)										(high, medium, or low)		
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Action 4.D-Continue to implement the best management practices for floodplain areas.	+	+	-	0	0	0	+	0	0	+	High	Medium	Medium

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Borough of Brielle

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
First Aid Building (Shelter) Reinforcement	+	+	+	+	0	+	0	-	+	0	High	Low	High
Bulkhead Restored on Ocean Ave	+	+	-	+	0	+	+	0	+	0	High	Medium	Medium

Please attach additional pages as needed.

OCEAN AVENUE BULKHEAD MITIGATION:

The Ocean Avenue Bulkhead is deteriorating due to age and the pressure of the tides. At present the Borough is maintaining the bulkhead by adding stone on the landward side, but as the tide ebbs and flows the stones are being gradually displaced.

Unless the outer bulkhead is replaced, the end of the roadway will eventually collapse. This will undermine the adjacent properties and can cause flooding in particular during a period of high tide. Any storm that creates a tidal surge would then pose a severe threat to the area and further undermine Ocean Avenue.

SPECIAL NEEDS FOR SHELTER RESTRUCTURING

Retrofit and make improvements to a dedicated Emergency Shelter located outside of the flood prone areas. The improvements would make the shelter resistive to loss of power during Hurricanes, Nor-easters and other high wind storms. It would also harden the structure against utility outages due to extreme temperature indifferences.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction)

Colts Neck Township

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Action 2A μ Expand and disseminate GIS and other hazard information on the internet.	+	+	0	+	0	+	0	+	+	0	High	Low	Medium
Action 2B μ Create mitigation outreach program that helps residents and businesses prepare for disasters.	+	+	0	+	0	+	0	0	+	0	High	Low	Medium
Action 11B μ Educate residents about driving in winter storms and handling winter related health effects.	+	+	0	+	0	+	+	+	+	0	High	Low	Medium

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction)

Colts Neck Township

Action 11C μ Promote ice and windstorm resistant trees and trimming to reduce tree related hazards.	+	+	0	+	0	+	+	0	+	0	High	Medium	Medium

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) **Borough of Deal**

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Dredge the length of the brook and remove all obstructions of both Popular	0	+	0	+	-	+	-	0	+	-	High	Med	High
Set up detention Pond and berm system to prevent future flooding for Popular Brook	-	+	+	+	-	+	+	+	+	+	High	High	High
Widen coverts under roadways in three different streets for Popular Brook	+	+	+	+	-	+	+	+	+	+	High	High	High

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) **Borough Of Eatontown**

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Goal 2 Action Number 2C/2D Develop a plan to seek funding for backup electrical and telecommunications	O	+	-	O	O	O	+	+	O	+	High	Med	Med
Goal 11 Action number 11A/11B and 11/D reduce possibility of damage due To winter storms	O	+	O	-	O	O	-	O	O	O	High	Low	Med
Goal 4 Action number 4F and 4G Reduce the possibility of loss due to Floods caused by storms	+	+	-	+	+	+	+	-	+	-	High	High	High

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) _____

ENGLISHTOWN

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Conduct Routine Stream Maintenance Program and seek financial assistance to clean out stream segments with heavy sediment deposits. Weamaconk Creek and McGellairds Brook	+	+	0	+	0	0	+	0	+	0	High	Medium	High

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) **BOROUGH OF FAIR HAVEN**

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
PLACE POWER TRANSMISSION LINES UNDER GROUND	+	+	-	-	-	-	+	-	+	-	High	High	High
REPLACE OLDER DAMAGED UTILITY POLES WITH NEWER UP TO DATE POLES	+	+	0	+	-	-	+	-	+	-	High	High	Medium
REMOVE OR TRIM TREES THAT WOULD HAVE THE POTENTIAL OF FALLING DURING A STORM	+	+	+	+	+	+	+	+	+	+	High	Medium	Medium
BUILD SAFE STRUCTURE	+	+	+	+	+	-	+	+	+	-	Medium	Medium	Medium
BUILD AM RADIO STATION	+	+	+	+	+	+	+	+	+	+	High	Low	Low

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Farmingdale

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Harden shelter locations against wind, water & utility loss	+	0	0	+	+	+	0	+	0	+	Medium	Low	Medium
Increase shelter in place capabilities	+	0	0	+	+	+	0	+	0	+	Medium	Low	Medium
Purchase, raise or address repetitive flood areas	+	+	-	+	0	-	+	-	+	-	Medium	High	Low

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) **Farmingdale**

Redundant dispatch EOC upgrade	+	+	0	+	+	+	0	0	+	0	High	Medium	High
Standby power for emergency needs	+	+	0	+	+	+	+	+	+	+	High	Low	High
Back-up water purification for shelter & utility outage	+	+	0	+	+	+	+	+	+	+	High	Low	high

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Borough of Freehold

Freehold Borough			“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)								(high, medium, or low)		
Action	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Upgrade generator and communications in the EOC	+	+	0	+	0	+	0	0 Funds needed to complete	+	+	Medium	High	Medium
Installation of emergency generators in both grammar schools that are designated as Evac centers	+	+	0	0	-	+	0	Funds needed to complete	+	-	High	High	Medium
Create an outreach program to help residents prepare for disasters	0	+	0	0	+	+	0	Can be implemented easily	+	-	Medium	Low	Low

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PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) **FREEHOLD TOWNSHIP**

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
<u>Action 4-F:</u> Conduct routine stream maintenance program to identify areas prone to flooding and seek financial assistance to clean out problem segments.	+	+	-	+	-	+	+	+	+	0	High	Medium	High
<u>Action 2-B:</u> Create mitigation and preparedness outreach program by providing information that helps residents and property owners prepare for disasters.	+	+	+	+	0	+	0	+	+	+	High	Low	High
<u>Action 11-B:</u> Educate public about driving in winter storms and preparing for winter-related health hazards.	+	+	+	+	0	+	0	+	+	+	High	Low	Medium

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) HAZLET TOWNSHIP

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)										(high, medium, or low)		
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
10.A Develop a mapping of wildland/urban interface areas with assistance of the NJFFS.	+	+	0	0	0	0	+	+	+	0	High	Low	High
10.B Put together a list of addresses for route alerting during wildfire emergencies that require public warning.	+	0	0	0	+	0	0	+	0	+	High	Low	High
10.C Review the local EOP for possible wildfire components regarding Fire / Rescue, Alert Warning Communications and Evacuation.	0	+	0	0	0	0	0	+	+	0	Medium	Low	Medium
10.I Mitigation for Streets, Highways and roads that provide key fire access and fuelbreaks.	+	0	-	0	0	0	+	0	+	-	High	Medium	Medium
10.J With assistance of NJFFS, widen all paths in the wildland area for better access.	0	+	0	0	0	0	–	–	+	0	High	Medium	Medium
10.E Initiate a public outreach program for homeowners.	+	0	0	0	0	0	0	+	0	+	Medium	Medium	Medium

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction)

Highlands

DRAFT

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemente d easily	Achieves multiple objectives	Can be implem ented quickly	Overall Benefits	Overall Costs	Priority
Action (1.E) Update Highlands Flood Mitigation Plan 1999. Use existing flood damage prevention ordinance 0-98-12, flood ID survey results, surface flooding drainage study, and repetitive loss survey results. Include damage surveys and repair cost estimates. Note: Highlands is member of NFIP (1A) and will submit draft plans to the County OEM for courtesy review (1.B)	+	+	0	+	0	+	+	+	+	+	High	Low	High
Action (2.C) Planning for and Funding Improvements to Telecomm and Electrical Systems at Critical Facilities including Facilities used For EOC and as local shelters. Note: Highlands has an emergency Warning System, and Provides Emergency Planning Information on Boro Website and Newsletters (2B); Uses GIS SLOSH Information in Emergency Plans (2F)	+	+	0	+	0	0	0	0	+	0	Medium	Low	Medium

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction)

Highlands

DRAFT

<p>Action (4.E) Use flood ID Survey results in Highlands Mitigation plan to mitigate steps to reduce damage and losses due to flooding caused by Coastal Floods, Hurricanes and Nor'easters, and routine tidal flooding from the Shrewsbury river and Sandy Hook Bay. Storm water runoff from hill sections need to be repaired and upgraded through control of water flow and through more efficient drainage to the river and ocean.</p> <p>Note: Boro is a member of NFIP (4A) and is active pursuing tidal flood gauging and warning systems (4.C)</p>	+	+	0	+	0	+	+	-	+	-	High	Medium	High
<p>Action (7.B) Reduce the possibility of damage and losses due to coastal erosion and wave action. Highlands has Implemented V Zone construction requirements for new development located in coastal A zones.</p>	+	+	0	0	0	+	+	+	+	+	High	Low	High

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) **Highlands**

DRAFT

<p>Action (9.D) Reduce the possibility of damage and losses due to landslides. Highlands has specific areas identified (9.A) prone to landslides. Damage as a result of a landslide currently has Bayside Drive closed.</p> <p>Note: Highlands has adopted a steep slope ordinance 21-65-21 Steep Slopes and Slump Blocks.</p>	+	+	0	+	0	+	-	+	0	+	High	Med	High
<p>Action (13.E) Install hurricane clips and wind shutters on existing development particularly emergency facilities and shelters built before existing codes were adopted to offer some degree of protection.</p> <p>Note: Highlands has adopted building codes that require hurricane clips on new construction (13.D)</p>	+	+	0	0	0	+	-	+	0	+	High	Low	Medium
<p>Action (14.A) Reduce the possibility of damage to emergency facilities by conducting an evaluation to determine Existing level of protection, particularly to flooding, and implementing recommendations.</p> <p>Completion of (11.A) purchase NOAA weather radios for critical facilities. Complete (14.B)</p>	+	+	0	+	0	+	0	+	0	+	High	Low	Medium

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Holmdel Township

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Retrofit Existing Sewer Pump Stations with Hurricane Clips/Straps as needed.	+	+	0	0	0	+	0	+	+	+	High	Low	High
Require mulch on or adjacent to commercial shopping area parking lots to be fire resistant.	0	+	+	+	0	+	0	+	+	+	High	Low	High

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Howell

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Harden shelter locations against wind, water & utility loss	+	0	0	+	+	+	0	+	0	+	Medium	Low	Medium
Increase shelter in place capabilities	+	0	0	+	+	+	0	+	0	+	Medium	Low	Medium
Purchase, raise or address repetitive flood areas	+	+	-	+	0	-	+	-	+	-	Medium	High	Low

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Howell

Redundant dispatch EOC upgrade	+	+	0	+	+	+	0	0	+	0	High	Medium	High
Standby power for emergency needs	+	+	0	+	+	+	+	+	+	+	High	Low	High
Back-up water purification for shelter & utility outage	+	+	0	+	+	+	+	+	+	+	High	Low	high

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Interlaken

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Develop mitigation steps to reduce damage and losses due to flooding through control of storm water runoff and more efficient drainage and discharge to ocean waters	+	+	+	+	0	+	0	0	+	0	HIGH	MED	HIGH

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Borough of Keansburg

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Enact hazard zoning ordinances	+	0	+	+	0	+	0	+	+	+	High	Low	High
Specifically allow variances on foundations of newly built structures.	+	0	+	0	0	+	+	+	+	+	High	Low	High
Develop mitigation steps to reduce damage and losses due to flooding, through the control of water flow and more efficient drainage.	+	-	0	+	+	-	+	-	+	-	High	High	Medium

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Borough of Keansburg

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)										(high, medium, or low)		
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Create an outreach program to help resident prepare for disasters.	+	+	+	+	0	+	0	+	+	+	High	Low	High
Develop a plan and seek funding for back up electric in critical care facilities.	+	+	0	+	0	-	0	+	+	0	Medium	Medium	Medium
Reduce water use for landscaping by imposing mandatory water use restrictions	+	+	+	+	0	+	+	+	+	+	High	Low	Low

Please attach additional pages as needed.

PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Borough of Keyport

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Fireman’s Park Bulkhead Extension from Bulkhead (Elevation 8.1) to Monmouth County Bridge on W. Front Street	+	+	0	+	-	0	+	-	+	-	High	Medium	High
Raising of Green Grove Avenue at Chingarora Creek culvert crossing to alleviate storm flooding	0	+	0	+	+	+	-	-	+	0	High	Low	High

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Lake Como

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Action 1C Enact Hazard Zoning/Ordinances on height of homes in flood areas to place foundations above flood plain.	+	+	0	+	0	+	+	+	0	+	High 7	Low 0	High 7
Develop mitigation steps to reduce damage & losses due to flooding caused by inland and coastal floods, Hurricanes & Nor’easters at Lake Como through the control of water flow and through more efficient drainage to the ocean.	+ (High benefit)	+	0	+	0	+	+	- (Requires Planning, Grants & Multiple Municipality Support	+	-	High 6	Medium 2	High 4

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) LITTLE SILVER

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	P r i o r i t y
Action 4E: Develop steps to reduce damage and losses due to flooding caused by coastal flooding, hurricanes, nor'easters, and storm surge at the end of Little Silver Point Rd (Howard Beach) specifically by new outfall structure for storm drainage system	+	+	0	+	0	+	+	+	+	+	High	Medium	H i g h
Action 4F: Reduce possibility of flood damage by conducting stream maintenance plan	+	+	0	+	0	+	+	+	+	-	High	Medium	H i g h

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) **VILLAGE OF LOCH ARBOUR**

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)											(high, medium, or low)		
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority	
Action 4E. Develop mitigation steps to reduce damage and losses caused by inland and coastal floods, hurricanes and nor'easters at Deal Lake through control of water flow and more efficient drainage to the Atlantic Ocean by electrification of Deal Lake Flume gates. Note: The Village is a member of NFIP and has implemented a local warning system.	+	+	0	+	0	+	+	- (requires cooperation and joint funding from area municipalities)	+	- (permitting requirements are onerous and must be eased for municipalities)	High	Medium	High	
Action 4F. Reduce the possibility of flood damage by conducting stream maintenance and clearing sediment from Deal Lake and surrounding streams in the watershed.	+	+	0	+	-	+	0	- (see above; also requires identifying a facility to accept dredge spoils)	+	- see above	High	High	High	

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) **VILLAGE OF LOCH ARBOUR**

Action 4H. Reduce possibility of flooding at the eastern terminus of Deal Lake by implementing stormwater retention projects identified by the Deal Lake Commission in the Regional Stormwater Management Plan for the Deal Lake Watershed	+	0	+	0	+	+	+	-(requires cooperation and joint funding from area municipalities)	+	-	High	Med - High	High
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Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

City of Long Branch _____

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemente d easily	Achieves multiple objectives	Can be implem ented quickly	Overall Benefits	Overall Costs	Priority
Enact updated Hazard Zoning/ Ordinances. Specifically to conform to FEMA’s new FIRM program.	-	+	0	+	0	+	+	+	+	+	High	Low	High
Develop mitigation steps to reduce damage and losses due to flooding caused by Inland and Coastal Floods, Hurricanes and Nor’easters. Through control of water flow and through more efficient drainage to ocean and river. Specifically, install drainage and storm water pipe to control flood waters and increase strategic locations to control flow.	+	+	-	-	0	-	+	-	+	-	High	High	High



PRIORITIZATION OF ACTIONS

City of Long Branch _____

Develop mitigation steps to reduce damage and losses due to flooding caused by excessive precipitation in areas surrounding City Hall from Broadway to Morris Avenue	0	+	+	+	0	+	0	-	-	-	High	High	High
Reduce the likelihood of flood damage by creating and executing a Stream & Lake Maintenance Plan	+	+	0	+	-	+	+	-	+	-	High	Medium	Medium
Develop and implement a mitigation plan to control flash flooding condition under NJ Transit Railroad trestle near train station.	-	+	0	-	+	+	-	-	-	-	Medium	Medium	Medium



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Manalapan Township

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Action #1 Holiday Lake Dredging Project. Temporary dewatering and removal of sediment, stream bank stabilization. Construction of an outlet control structure (sluice gate) between gate & existing headwall.	+	+	-	+	0	+	+	+	+	0	High	High	High

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) **MANASQUAN BOROUGH**

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Increase Public Warning Capabilities: Upgrade existing AM Radio Station, increase warning siren coverage, implement Reverse911 system, install electronic sign system.	+	+	0	+	0	-	0	+	+	+	6	1	5 High
Evaluate and Upgrade Stormwater Drainage System: Evaluate existing drainage system and upgrade as required (Tideflex valves, upgrade stormwater pipes, inlets, and discharges)	0	+	0	+	0	-	0	-	-	-	2	4	-2 Low
Evaluate and Modify Existing Building Codes: Evaluate pertinent building codes and change as required to accommodate updated flood elevations, wind design load criteria, etc.	0	+	-	-	-	+	0	+	+	0	3	3	0 Medium

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) **MANASQUAN BOROUGH**

Develop Residential Mitigation Strategies: Develop specific hazard mitigation actions that home/business owners can undertake that will reduce property damage resulting from coastal storms.	0	+	-	+	0	+	0	+	+	0	5	1	4 High
Develop Public Outreach Program: Implement a public outreach program that includes hazard identification, public warning systems and mitigation activities that home/business owners can undertake.	+	0	-	+	0	0	0	+	+	+	5	1	4 High
Develop Digital GIS Flood Inundation Mapping: Develop inundation mapping based upon aerial topographic mapping and incorporating the latest SLOSH values from the US Army Corps.	0	+	0	+	0	0	0	+	+	+	5	0	5 High

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Township of Marlboro

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)										(high, medium, or low)		
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Action 1D: Improve the Townships ability to alert & warn the public in advance of an impending event.	+	0	+	+	+	-	+	+ Alternatives need to be explored	0	0	High 6	Low 1	High 5
Action 2D: Establish and maintain an ongoing stream maintenance program providing for de-snagging and de-silting streams and tributaries throughout the Township. Note: The Township has a Stormwater Management Plan (2C).	+	+	-	+	0	+	+	0 Equipment & manpower available pending DEP permitting	+	-	High 6	Low 1	High 5
Action 4A: Increase public awareness and outreach to all residents regarding the risks related to severe weather events and the benefits of increased personal preparedness.	+	+	+	+	+	0	0	+	+	+	High 8	Low 0	High 8

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) MATAWAN BOROUGH

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Replacement of the Lake Lefferts Dam	+	+	-	+	+	O	O	-	+	-	Med	High	Low
Replacement of the Lake Matawan Dam	+	+	-	+	+	O	O	-	+	-	Med	High	Low
Reduce flooding frequency of Aberdeen Road- downstream from Lake Lefferts- elevate roadway	O	+	O	+	O	O	-	O	+	O	Med	Med	Med

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Township of Middletown

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)										(high, medium, or low)		
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Action 1C Enact Hazard Zoning/ Ordinances. Township recently amended ordinance for height flexibility. Height can be measured after the lot is filled to place foundations above flood plain Note: Township is member of NFIP (1A) and has a Storm water Management Plan (1E)	+	+	+	0	+	0	0	+	-	+	High	Medium	Medium
Within the flood hazard areas, raise dwelling units one foot above base flood elevation	0	+	+	-	+	-	0	-	-	-	High	High	High

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Township of Middletown

Action 4F Conduct a routine stream and ditch maintenance program in flood prone areas	0	0	-	+	+	-	+	0	+	-	Medium	Medium	Medium
Wetlands Maintenance and Removal of invasive plant species	+	+	-	+	0	+	+	-	+	-	High	Medium	High
Maintenance and upgrade of storm water management structures and facilities	0	-	-	+	+	-	+	-	+	-	High	Medium	High

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) MILLSTONE TOWNSHIP

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Develop mitigation steps to reduce significant damage from losses to do wild fires.	+	+	+	+	0	+	-	0	+	0	HIGH	MED	HIGH
Develop a mitigation plan to reduce Losses due to flooding by controlling storm water run-off in certain areas of the Township.	+	+	+	+	0	+	-	0	+	0	HIGH	MED	HIGH

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) _____

MONMOUTH BEACH

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Install and upgrade drainage to relieve flooding from high flood prone areas within the Borough. Example; Johnson St./Anderson St./Drew Ct./ Valentine St.	+	+	O	O	O	-	O	-	+	-	High	Med	High
Radio Station and Communications	+	O	+	+	O	O	-	+	+	O	High	Med	Med

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Neptune City

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Action 2.C Develop a plan and seek funding for backup electric for shelters	+	+	0	+	0	0	0	-	+	-	Medium	Low	medium
Action 6.C Implement a public awareness campaign on the use of grounded outlets and surge protectors	+	0	+	+	0	0	0	+	+	+	High	Low	high
Action 11.B Implement a public awareness campaign on driving in winter storms and handling winter related health effects	+	0	+	+	0	0	0	+	+	+	High	Low	high

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Township of Neptune

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Stream Maintenance Desnagging/Desilting contributory waterways, for enhanced water quality, capacity and alleviate flooding issues.	+	+	0	+	-	-	+	-	+	-	Medium	Medium	Medium
Development of Hazard Overlay Zones to aid property owners through awareness	-	+	-	+	-	+	0	-	+	-	Medium	High	Low
Implementation of Drainage Improvements to piping and drainage along Category One and other receiving water bodies to improve water quality and decrease solids, siltation and runoff.	+	+	+	+	+	+	+	-	+	+	High	Low	High

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Township of Neptune

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)										(high, medium, or low)		
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Dredging of Shark River Marina, Expanded Marina, River and River Channels to improve water quality, capacity, alleviate potential flooding of residents and minimize potential compromise of adjacent roadways	+	+	-	+	+	-	+	-	+	+	High	Low	High
Shark River Bank Stabilization to protect residents and adjacent roadways	-	+	+	+	+	-	+	-	+	-	High	Medium	Medium
Beach Replenishment Ocean Grove	-	-	0	+	+	-	+	-	-	-	Low	High	Low

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Township of Neptune

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Bulkhead Replacement along Shark River Marina to protect shoreline, help alleviate flooding and protect adjacent businesses and residents	+	+	-	+	+	-	+	+	+	+	High	Low	High
Lake Dredging Fletcher/Wesley/Alberta, increase capacity, improve water, water quality and alleviate flooding	+	+	-	+	-	+	-	+	+	-	High	Medium	Medium
Public Education and Awareness through GIS/Hazard Data on the Internet improve residents interaction and awareness through education	+	-	0	+	0	+	+	+	+	+	High	Low	High

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Township of Neptune

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Construction of Salt Dome for storage of salt at Public Works Department	+	+	+	0	0	-	-	+	+	-	High	Medium	Medium
Encourage Public to build/construct modify construction to be more disaster resistant, to help minimize hazards to residents through flooding and other natural disasters	+	+	+	+	+	0	0	-	+	+	High	Low	High
Implement a Public Education/Awareness program at Neptune Day and on the website for citizen awareness, evacuation routes, construction techniques, and other available resources	+	+	0	+	-	+	0	-	+	+	High	Low	High

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) **Ocean Twp**

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Build a detention pond to gather more water and prevent large amounts of water to move downstream in Whalepond Brook	0	+	-	+	0	0	-	+	+	-	High	High	Med
Widen coverts under roadways in three different streets for Whalepond Brook	-	0	-	+	+	+	-	-	+	-	Med	High	Med
Dredge the length of the brook and remove all obstructions of both Popular and Whalepond brook	0	+	0	+	-	+	-	0	+	-	High	Med	High
Set up detention Pond and berm system to prevent future flooding for Popular Brook	-	+	+	+	-	+	+	+	+	+	High	High	High
Dredge the length of the brook and remove all obstructions	0	+	0	+	-	+	-	0	+	-	High	Med	High

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) **Ocean Twp**

Widen coverts under roadways in three different streets for Popular Brook	+	+	+	+	-	+	+	+	+	+	High	High	High
Planning & Funding Improvements to Telecomm and Electrical Systems at Critical Facilities including Facilities used For EOC and as local shelters	+	+	0	+	0	0	0	0	+	0	High	Med	Med

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) **Borough of Oceanport**

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Goal 4 Action Number 4E Goal 14 Action Number 14A/14B Infrastructure-Critical Facility-Relocation of Boro Hall and DPW Goal 4 Action 4A-Current Member of NFIP	O	+	O	+	O	+	+	O	+	-	High	Med	High
Goal 4 Action Number4F .Remediation of Turtle Mill Floodway -Stream Cleaning	O	+	-	O	O	+	O	O	+	-	Med	Med	Med
Goal 4 Action Number 4G Infrastructure-Examination and Remediation of Storm Water System, Port-au-Peck Section	O	+	O	+	O	+	O	+	+	+	Med	Med	Med

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) **Borough of Oceanport**

Goal 4 Action Number 4G Infrastructure- Roadway Flooding	O	+	-	+	O	O	O	O	O	O	Med	Med	Low
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Please attach additional pages as needed.



Borough of Red Bank

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)										(high, medium, or low)		
	S	T	A	P	L	E	E	Can be implemente d easily	Achieves multiple objectives	Can be implem ented quickly	Overall Benefits	Overall Costs	Priority
Enact Hazard Zoning/ Ordinances. Specifically allow variances on height of homes in flood areas to place foundations above flood plain Note: Boro is member of NFIP (1A) and has a Stormwater Management Plan (1E)	+	+	0	+	0	+	+	+	0	+	High 7	Low 0	High
Planning for and Funding for a Community Emergency Alerting System Replacement of existing Outdated System	+	+	0	+	0	0	0	+	+	0	Medium 4	Low 0	High
Develop mitigation steps to reduce damage and losses due to flooding and erosion to Marine Park	+ community benefit	+	0	+	0	+	+	- Requires Plan, Grants, Funding	+	-	High 6	Medium 2	High 4

Please attach additional pages as needed.



Borough of Red Bank

Reduce the possibility of flood damage by conducting a Storm Management Maintenance Plan and Cleaning and Maintaining the Existing System	+ high community benefit	+	0	+	-	+	+	- (Requires Plan, and funding)	+	-	High 6	Medium 3	Medium 3
Planning and Funding Improvements to the Infrastructure System of the Boro Water and Sewer System	+ high community benefit	+	0	+	0	+	+	- (Requires Plan, Funding)	+	-	High 6	Medium 2	High 4
Action 14 A Reduce the possibility of damage to emergency facilities by conducting a n evaluation to determine Existing level of protection and implementing recommendations	+	+	0	0	0	0	0	+	0	+	Medium 4	Low 0	Medium 4

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

Name of Jurisdiction: **BOROUGH OF RUMSON**

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
1) Implement early flood warning system for Shrewsbury and Navesink Rivers as a shared service with other towns along the rivers	+	+	0	+	0	0	0	0	+	0	Medium	Low	Medium
2) Enact new FEMA flood maps as part of planning and zoning regulations	0	+	0	0/-	0	+	0	+	+	+	Medium	Low	Medium
3) Implement stream and pond cleaning to speed draining of flood prone areas and follow up with regular maintenance	+	+	0	+	0	+	+	0	+	-	Medium	Medium	Medium

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

Name of Jurisdiction: BOROUGH OF RUMSON

4) Upgrade shelter facility located at Rumson Fair Haven Regional High School, including emergency power facility	+	+	0	+	0	0	0	+	+	0	High	Medium	High
5) Continue to maintain current warning systems that are already operational including website, AM radio, Reverse 911 calling system and emergency siren alerting system	+	+	+	+	0	0	0	+	+	+	High	Low	High
6) Tree maintenance of shade trees along streets in community; increase effectiveness of Public Works to clear trees in event of storm	+	+	0	+	0	+	0	+	+	+	High	Medium	Medium/High

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Borough of Sea Bright

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)										(high, medium, or low)		
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Provide additional support and training for the Building Department on wind and flood resistance structures, including information on hurricane clips, wind shutters, beyond the minimum Building Code.	+	+	+	+	-	0	0	+	+	+	Medium	Low	High
Include in Sea Bright Day a public education and awareness component for hazard mitigation, citizen safety, include mitigation techniques highlighting our available resources.	+	0	0	+	0	0	0	+	+	+	Medium	Low	Medium
Develop a town wide strategy to aid both local, county, state and federal officials to provide the ongoing replenishment of beach sand for protection of both the NJSH Route 36 corridor, local residences and businesses.	+	0	0	+	0	+	+	-	+	-	High	Medium	High

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Borough of Sea Bright

Develop a town wide strategy to aid both local, county, state and federal official to provide the reconstruction of bulkheads along the Shrewsbury River for protection of both the NJSH Route 36 corridor, local residences, businesses and bulkheads.	+	0	0	+	0	+	+	-	+	-	High	Medium	High
Encourage citizens and businesses when re-building or modifying their buildings to provide underground utilities in order to promote utilities that are generally not prone to damage during high winds and flooding incidents.	+	+	-	+	-	-	+	0	+	-	Medium	Medium	Medium
Support and create a hazardous material response team including training and equipment to protect by the citizens of Sea Bright and the environment, rather than relying on state, federal or county agencies.	+	+	+	+	0	-	+	-	-	-	High	Medium	High

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Borough of Sea Bright

Develop a storm, flood and wind action plan which will include, police, fire and public works volunteer groups to allow Sea Bright to be methodically protected during a storm or flood event.	+	+	+	+	0	0	+	-	+	-	High	Medium	High
Explore and implement a project to elevate private homes in flood prone areas with State or Federal funds to homeowners.	0	+	0	+	-	-	+	-	+	-	High	High	High

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Sea Girt Borough _____

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemente d easily	Achieves multiple objectives	Can be implem ented quickly	Overall Benefits	Overall Costs	Priority
Enact Hazard Zoning/ Ordinances. Specifically allow variances on height of homes in flood areas to place foundations above flood plain Note: Boro is member of NFIP (1A) and has a Stormwater Management Plan (1E)	+	+	0	+	0	+	+	+	0	+	High 7	Low 0	High 7
Planning for and Funding Improvements to Telecomm and Electrical Systems at Critical Facilities including Facilities used For EOC and as local shelters Note: Boro has Established Emergency Warning Systems such as reverse 911 and Provides Emergency Planning Information on Boro Website and Newsletters (2B); Uses GIS SLOSH Information in Emergency Plans (2F)	+	+	0	+	0	0	0	0 (Needs Budget for Emergency Power and Telecomm)	+	0	Medium 4	Low 0	Medium 4

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Sea Girt Borough

<p>Develop mitigation steps to reduce damage and losses due to flooding caused by Inland and Coastal Floods, Hurricanes and Nor'easters at local ponds (Wreck Pond) through control of water flow and through more efficient drainage to ocean</p> <p>Note: Boro is a member of NFIP (4A) and has Implemented a Local Warning System (4C)</p>	+	0	+	0	+	+	- (Requires Plan, Grants, Multiple Municipality Support)	+	-	High 6	Medium 2	High 4
<p>Reduce the possibility of flood damage by conducting a Stream Maintenance Plan and cleaning out sediment at Wreck Pond and Black Creek. Need to work with Wall, SL and SLH on this</p>	+	0	+	-	+	+	- (Requires Plan, Grants, Multiple Municipality, State Support)	+	-	High 6	Medium 3	Medium 3
<p>Reduce the possibility of flooding at Wreck Pond by implementing stormwater retention projects identified by the Wreck Pond Regional Stormwater Management Committee in Subregion 12 watershed</p>	+	0	+	0	+	+	- (Requires Plan, Grants, Multiple Municipality, State Support)	+	-	High 6	Medium 2	High 4

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Sea Girt Borough_____

Reduce the possibility of damage to emergency facilities by conducting an evaluation to determine Existing level of protection, particularly to flooding, and implementing recommendations	+	+	0	0	0	0	0	+	0	+	Medium 4	Low 0	Medium 4

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Shrewsbury Bprouh

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
1. Address repetitive flooding of Haddon Ave following heavy rain fall, improve existing drainage and storm water infrastructure. The First Aid Bldg is located on the corner of this street and response route is affected.	+	+	-	+	0	+	+	+	+	+	M	H	H
2. Address repetitive flooding of Monroe Ave following heavy rain fall, improve existing drainage and storm water infrastructure	+	+	-	+	0	+	+	+	+	+	M	H	H
3. Address repetitive flooding of Traffalgar Pl following heavy rain fall and high tide, improve existing drainage and storm water infrastructure	+	+	-	+	0	+	+	+	+	+	M	H	H

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Shrewsbury Bprouh

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
4. Conduct routine stream maintenance and debris removal in 6 Borough streams to alleviate flooding and improve drainage. Perform work in conjunction with NJDEP and County oversight.	0	+	-	+	0	+	+	+	+	+	H	M	H
5. Support and fund CERT programs that also include mitigation and public outreach components.	+	0	0	+	0	0	0	+	+	+	M	L	M
6. Address repetitive flooding of Newman Springs Rd following heavy rain fall, improve existing drain and storm water infrastructure. This is a county road and a designated coastal evacuation route.	+	+	-	+	0	+	+	+	+	+	M	H	H

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Shrewsbury Township

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Action 2.C Planning for and funding improvements to Telecomm and Electrical Systems at critical facilities including EOC and local shelters.	+	+	0	+	+	+	+	+	+	+	High	Medium	Medium
Action 1.E Develop Stormwater Management Plan.	+	+	0	+	+	+	+	+	+	+	High	Medium	Medium

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Spring lake Heights

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Action 1C: Explore Hazard zoning ordinance. Raising Utilities, Exceeding Height requirements	+	+	0	+	0	+	+	+	+	+	High	Low	High
Action 4D: Continue implementation of the best mitigation practices for flood plain areas	+	+	0	+	0	+	+	+	0	+	High	Low	High
Action 2B: Create mitigation outreach program to prepare residents for a disaster	+	+	+	+	0	+	+	+	+	+	High	Low/Medium	High

Please attach additional pages as needed.



6/9/2008 PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) **Spring Lake Monmouth County NJ_**

1

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)										(high, medium, or low)		
	S	T	A	P	L	E	E	Can be implemente d easily	Achieves multiple objectives	Can be implem ented quickly	Overall Benefits	Overall Costs	Priority
Action 1C Enact Hazard Zoning/ Ordinances. Consider elevation changes on height of homes in flood areas to place foundations above flood plain Note: Boro is member of NFIP (1A) and has a Stormwater Management Plan (1E)	+	+	0	+	0	+	+	+	0	+	High 7	Low 0	High 7
Action 2C Planning for and Funding Improvements to Telecomm and Electrical Systems at Critical Facilities including Facilities used For EOC and as local shelters Note: Boro has Established Emergency Warning Systems and Provides Emergency Planning Information on Boro Website and Newsletters (2B); Uses GIS SLOSH Information in Emergency Plans (2F)	+	+	0	+	0	0	0	0 (Needs Budget for Emergency Power and Telecomm)	+	0	Medium 4	Low 0	Medium 4

Please attach additional pages as needed.



6/9/2008 PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Spring Lake Monmouth County NJ_

2

Action 4E. Develop mitigation steps to reduce damage and losses due to flooding caused by Inland and Coastal Floods, Hurricanes and Nor'easters at local ponds (Wreck Pond and Lake Como) through control of water flow and through more efficient drainage to ocean Note: Boro is a member of NFIP (4A) and has Implemented a Local Warning System (4C)	+	(Very high community benefit)	+	0	+	0	+	+	-	(Requires Plan, Grants, Multiple Municipality Support)	+	-	High 6	Medium 2	High 4
Action 4F Reduce the possibility of flood damage by conducting a Stream Maintenance Plan and cleaning out sediment at Wreck Pond and Black Creek	+	(Very high community benefit)	+	0	+	-	+	+	-	(Requires Plan, Grants, Multiple Municipality, State Support)	+	-	High 6	High 3	Medium 3
Action 4H Reduce the possibility of flooding at Wreck Pond by implementing stormwater retention projects identified by the Wreck Pond Brook Regional Stormwater Management Plan (RSWMP) Committee in Subregion 12 watershed	+	(Very high community benefit)	+	0	+	0	+	+	-	(Requires Plan, Grants, Multiple Municipality, State Support)	+	(Supports regional stormwater control and environmental objectives)	High 6	Medium 2	High 4

Please attach additional pages as needed.



6/9/2008 PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Spring Lake Monmouth County NJ_

3

Action 14 A Reduce the possibility of damage to emergency facilities by conducting a n evaluation to determine Existing level of protection, particularly to flooding, and implementing recommendations	+	+	0	0	0	0	0	+	0	+	Medium 4	Low 0	Medium 4

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

TINTON FALLS

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)										(high, medium, or low)		
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Action 1.E μ Develop a storm water management plan that includes subdivision regulations to control run-off; both for flood reduction and to minimize saturated soils on steep slopes that can cause landslides.	+	+	+	+	0	0	+	+	+	-	High	Low	High
Action 2.B - Create a mitigation outreach program that helps residents prepare for disasters	+	+	+	+	0	-	0	+	+	-	Medium	High	Medium
Action 2.E μ Support and Fund Community Response Team (CERT) programs that also include a mitigation component NOTE: Borough has existing CERT Program	+	+	+	+	0	-	0	+	+	-	Medium	High	Medium

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

TINTON FALLS

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)										(high, medium, or low)		
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Action 4.F - Conduct a routine maintenance program and seek financial assistance to clean out stream segments with heavy sediment deposits.	+	+	+	+	0	-	+	+	+	-	High	High	High
Action 4.G μ Develop specific mitigation solutions for flood-prone roadways and intersections under the leadership of NJDOT. Develop a work plan for when sites will be surveyed and what role Borough can play in selection and implementation of mitigation activities.	+	+	+	+	0	-	+	-	+	-	High	High	High
Action 4.H μ Implement identified storm water recharge, rate or volume projects identified in Regional Storm water Management Plans to decrease flash\$ in streams during/after storm events	+	+	+	+	0	0	+	-	+	-	High	Low	High

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

TINTON FALLS

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)										(high, medium, or low)		
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Action 9.B μ Locally identify and map specific areas of potential slope failure and limit future development in these areas.	+	+	+	+	-	0	+	+	+	-	High	Low	High
Action 9.D Consider adopting a steep slope ordinance, if one is not already in place, to regulate development on these higher risk areas.	+	+	+	+	-	0	+	-	+	-	High	Low	High
Action 10.A μ In consultation with NJFFS, local fire service, develop mapping of wildland/urban interface areas.	+	+	+	+	0	0	+	+	+	-	High	Low	Medium

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

TINTON FALLS

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)										(high, medium, or low)		
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Action 10.C - In consultation with NJFFS, local fire service, review local EOP for possible wildfire components regarding Fire-Rescue, Alert Warning and Communications	+	+	+	+	0	-	+	+	+	-	High	High	Medium
Action 10.E μ Initiate a public outreach program for homeowners to reduce the possibility of damage and losses due to wildfires	+	+	+	+	0	0	+	-	+	-	High	High	Medium
Action 10.I μ Mitigation for streets. Highways and roads that provide key fire access and fuel breaks.	+	+	+	+	0	0	+	-	+	-	High	Low	High

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

TINTON FALLS

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)										(high, medium, or low)		
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Action 11.A μ Promote (or purchase, for critical facilities) NOAA weather radios	+	+	+	+	0	-	0	+	+	-	High	Low	Low
Action 11.B μ Educate residents about driving in winter storms and handling winter-related health effects.	+	+	+	+	0	0	0	+	+	+	High	Low	Low
Action 11.C μ Ice and windstorm-resistant trees and landscaping practices to reduce related hazards	+	+	+	+	0	-	+	-	+	-	High	High	High

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Borough of Union Beach

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Raise the Roadway Elevation of the Flood Prone Section of Florence Avenue	+	+	0	+	0	-	-	+	+	-	High	High	High
Raise the Roadway Elevation of the Flood Section of Jersey Avenue	+	+	0	+	0	-	-	+	+	-	High	High	High
Raise the Roadway Elevation of the Flood Prone Intersection of Spruce Street and Center Street	+	+	0	+	0	-	-	+	+	-	High	High	High

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Borough of Union Beach

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Action Number 3.D Publish and distribute pamphlets on water conservation techniques and drought management strategies.	0	+	0	+	0	+	0	+	0	+	Medium	Low	Medium
Action Number 6C Public awareness/outreach regarding the use of ground outlets and surge protectors in homes and businesses.	0	+	+	+	0	+	0	+	0	+	High	Low	High

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Township of Upper Freehold

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Action 4 D Ellisdale Road-Installation of sheet piling, increase culvert size, construct ditching and reconstruction 700 LF roadway at Bridge U-52.	+	+	0	+	0	+	+	+	+	0 DEP Permits Needed	High	Medium	High #1
Action 4F Cleaning of sediment and debris and removal of fallen trees which block waterways. Examples are at Bridges U-15 Breza Road and U-52 Ellisdale Road.	+	+	0	+	0	0	+	+	+	+	High	Medium	High #2
Action 4D Roadway bank protection at Bridge U-34 Sharon Station Road; Bridge U-53 Provinceline Road; and Bridges U-47 & 48 Walosmill Road.	-	+	0	+	0	-	+	+	+	0 To be coordinated with County Bridge Reconstruction -	Low	Medium	Low #3

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Township of Upper Freehold

1. **Priority No.1 μ Ellsdale Road at Bridge U-52 floods during times of heavy rainfall caused by hurricanes, nor~~e~~asters, and inland flooding. When the road is overtopped and the floodwaters cross the roadway, it erodes the side slopes an the roadway itself. On the upstream side a ditch is right up against the pavement which further erodes the roadway during flooding. It is proposed to install sheet piling in order to move the ditch back from the roadway; increase the size of a Township culvert in this area; widen the roadway and raise the elevation; and stabilize the roadway shoulder and embankment.**
2. **Priority No.2 μ Stream Cleaning μ There are several locations where sizable trees have fallen across the streams. (Estimated that there are a minimum of 10 locations). The fallen trees block the waterway and act as a dam. Sediment builds up on the upstream side of the trees which in turn raises the floodwater elevations and increases the flooding limits and damages during major storms. The trees must be removed and sediment removed to reestablish the stream channel.**
3. **Priority No. 3 μ Roadway bank protection at four (4) County bridges. The County bridges are undersized and need to be upgraded (3 are already on the County Capital Improvement Plan). When the floodwaters build up and overtop the roadway, the roadway shoulders and banks become eroded. It is proposed to install stone gabion blankets covered with soil to stabilize the areas which erode.**

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Wall Township

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)										(high, medium, or low)		
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Action 10. B Develop inventory of addresses for route alerting during wildfire emergencies that require public warning and information. Specifically by implementing reverse telephone notification.	+	+	+	+	+	+	0	+	+	+	High	High	High
Action 3. B Develop and adopt an emergency water allocation strategy to be implemented during severe drought	0	+	+	+	+	0	+	+	+	-	High	Low	High
Action 4. H Reduce the possibility of flooding at Wreck Pond by implementing stormwater retention projects identified by the Wreck Pond Regional Stormwater Management Committee Subregion 12 watershed	+	+	0	+	0	+	+	- (Requires plan, grants, multiple municipalities, state support)	+	-	High	Medium	High

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) Wall Township

Action 10.A In conjunction with NJFFS and local Forest Fire Warden, develop mapping of wildland / urban interface areas.	+	+	0	+	0	+	+	+	+	+	High	Low	Medium
Action 2.B Create a mitigation outreach program. Specifically by using a website and media outreach to assist residents prepare for disasters.	+	+	+	0	0	+	+	+	+	+	High	Low	Medium

Please attach additional pages as needed.



PRIORITIZATION OF ACTIONS

(Name of Jurisdiction) **West Long Branch**

Action	“-” = cost (unfavorable) “0”=neutral or not applicable “+” = benefit (favorable)									(high, medium, or low)			
	S	T	A	P	L	E	E	Can be implemented easily	Achieves multiple objectives	Can be implemented quickly	Overall Benefits	Overall Costs	Priority
Goal 4 Action Number 4F													
Stream and Drainage Relief	O	+	O	+	-	+	O	O	+	-	High	Med	High
Goal 4 Action 4A- Current Member of NFIP													
Goal 4 Action Number4F .Remediation of Turtle Mill Floodway -Stream Cleaning	O	+	-	O	O	+	O	O	+	-	Med	Med	Med

Please attach additional pages as needed.