

## *Appendix Vol I.51 Upper Freehold Township*

Please find below the following documents specific to this jurisdiction that have been included as part of the plan update process.

- Summary Sheet
- Mitigation Action Table
- Mitigation Action Worksheets
- Capability Assessment
- Flood Zone Map
- Sea Level Rise Vulnerability Map
- Meeting Material



## NFIP Statistics

**15** *Polices In-force*

**4** *Total Losses*

**\$13,142** *Total Payments*

**1** *Number of RL Properties*

**0** *Number Mitigated  
RL Properties*

**8** *RL - Total Losses*

**\$161,720** *RL - Total Paid*

**1** *Number of SRL Properties*

**0** *Number Mitigated SRL  
Properties*

**6** *SRL - Total Losses*

**\$67,301** *SRL - Total Paid*

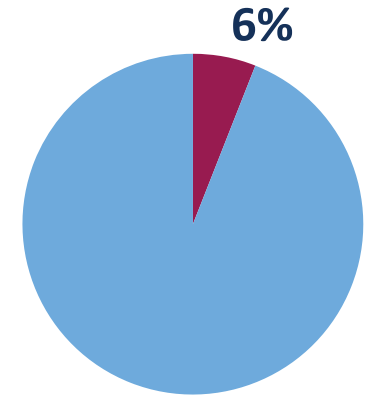


## Critical Facilities

**13** *Critical Facilities*

**0** *Critical Infrastructure*

**144** *Historic & Cultural Resources*



Percent Land Area Within SFHA

**9**

*Total Mitigation  
Actions*

**2**



*Education and Awareness Programs*

**6**



*Structure and Infrastructure Projects*

**0**



*Local Plans and Regulations*

**1**



*Natural Systems Protection*



**0** *SV Population At Risk (2017)*

**412** *Population at Risk (2017)*

| Upper Freehold, Township of |                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                          |                                      | Monmouth County HMP Mitigation Action Summary   |          |                        |                                                       |                                                                                    |               |          |               |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|--------------------------------------|-------------------------------------------------|----------|------------------------|-------------------------------------------------------|------------------------------------------------------------------------------------|---------------|----------|---------------|
| Community Action #          | Action Name                                                                                                                                                       | Action Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Action Category                          | Action Type                          | Hazard(s) Addressed                             | Priority | Ease of Implementation | Responsible Party                                     | Potential Funding Sources                                                          | Cost Estimate | Timeline | Action Status |
| 51_01                       | Continue to Provide Hazard Education and Risk Awareness                                                                                                           | Ongoing development of education materials for distribution on the Township website and the OEM Facebook portal as well as print materials. Emergency notifications will be made as necessary via the Township's emergency notification system.                                                                                                                                                                                                                                                                                                                                                                                                                                    | Administrative                           | Education and Awareness Programs     | All Hazards                                     |          |                        | Emergency Management Coordinator, Office of Emergencv | Local budget and personnel are able to maintain & further develop this mitigation. | \$5,000.00    |          | Completed     |
| 51_02                       | Improve Drainage System Capacity                                                                                                                                  | Seasonal cleanup of culverts, roadside water management ditches, and drainage basins in flood prone areas.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                          | Structure and Infrastructure Project | Flood                                           |          |                        | Department of Public Works                            | Local budget and personnel are able to maintain & further develop this mitigation. | \$25,000.00   |          | Completed     |
| 51_03                       | Acquire, elevate, or relocate buildings and infrastructure in flood prone areas, with a focus on Repetitive Loss (RL) and Severe Repetitive Loss (SRL) properties | Phase 1 - Meet with local zoning board to raise awareness of repetitive flood loss and meet with home & property owners with repetitive loss due to flooding to identify mitigation options and seek input to develop a strategy (i.e., elevation, acquisition, floodproofing, etc.). This action is regarding the single property in Upper Freehold on FEMA 's repetitive loss list. This property has had 6 losses between 1984 and 2012 totaling \$50,532 in damages (\$43,840 in damages to the building and \$6,692 in contents damages). Phase 2 - Submit a FEMA mitigation project grant application on behalf of the homeowner for the mitigation project of their choice. | Mitigation - Risk Reduction              | Structure and Infrastructure Project | Flood, Nor'easter, Hurricane and Tropical Storm | High     | Medium                 | Emergency Management Coordinator, Office of Emergency | FEMA HMA, County funding                                                           |               | 1 year   | Ongoing       |
| 51_04                       | Identify and Remove Hazardous Trees                                                                                                                               | Identify trees and/or tree limbs with the potential to cause loss of life, property damage, utility loss or road closure. Advise property owners of potential hazards and where appropriate, engage community resources, and/or utility company resources to mitigate potential hazards.                                                                                                                                                                                                                                                                                                                                                                                           | Administrative                           | Natural Systems Protection           | Extreme Wind                                    | Medium   | Low                    | Public Works                                          | Municipal budget, JCP&L Utility                                                    | \$25,000.00   | 1 year   | Ongoing       |
| 51_05                       | Create a Wildfire Inventory of Potential At Risk Properties and Develop an Alerting System to Notify Those Residents                                              | Develop an inventory of addresses that could be affected by a wildfire. Use inventory and develop a route alerting system. Identify property owners for focused outreach, education & awareness of wildfire hazards.                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Administrative                           | Education and Awareness Programs     | Wildfire                                        | Medium   | Low                    | DPW                                                   | Municipal budget                                                                   | \$5,000.00    | 1 year   | Ongoing       |
| 51_06                       | Coordinate with the County on Clearing Sediment and Debris at Bridges U-15 Breza Rd. and U-52 Ellisdale Rd.                                                       | Coordinate with the County on cleaning the sediment, debris, and fallen trees which block waterways at bridges U- 15 Breza Road and U-52 Ellisdale Road.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Maintenance/Respon se/Recovery           | Structure and Infrastructure Project | Flood, Nor'easter, Hurricane and Tropical Storm | Medium   | Medium                 | Township and Monmouth County                          | Municipal and County budget                                                        |               | 1 year   | Ongoing       |
| 51_07                       | Clear Sediment and Debris at Bridges U-53, U-47, and U-48                                                                                                         | Roadway bank protection at Bridge U-53 Provinceline Rood; and Bridges U-47 & U-48 Walnsmill Road. Since Upper Freehold does not have jurisdiction over these county bridges, our action will be to meet with the County advise them of the issues we have observed.                                                                                                                                                                                                                                                                                                                                                                                                                | Maintenance/Respon se/Recovery           | Structure and Infrastructure Project | Flood, Nor'easter, Hurricane and Tropical Storm | Medium   | Low                    | Township and Monmouth County                          | Local budget and personnel are able to maintain & further develop this mitigation. |               | 1 year   | Ongoing       |
| 51_08                       | Purchase and Install Generators for the Municipal Building and the First Aid Building                                                                             | New generators for the Municipal Building and the First Aid Building.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Mitigation - Continuity of Fuctional Use | Structure and Infrastructure Project | All Hazards                                     | Medium   | Low                    | Township                                              | FEMA HMA                                                                           |               | 1 year   | New           |

Upper Freehold, Township of

Monmouth County HMP Mitigation Action Summary

| Community Action # | Action Name                                                   | Action Description                                                                                                 | Action Category             | Action Type                          | Hazard(s) Addressed | Priority | Ease of Implementation | Responsible Party    | Potential Funding Sources                                      | Cost Estimate | Timeline | Action Status |
|--------------------|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------------------|---------------------|----------|------------------------|----------------------|----------------------------------------------------------------|---------------|----------|---------------|
| 51_09              | Repair, Remove, or Rehabilitate the Assunpink #4 Dam          | Repair, remove, or rehabilitate the Assunpink #4 Dam, a High-Hazard Potential Dam, located on the Assunpink Creek. | Mitigation - Risk Reduction | Structure and Infrastructure Project | Dam Failure         | High     | High                   | Ownership not known. | Municipal budget, NJDEP Bureau of Dam Safety and Flood Control |               | 2 years  | New           |
| 51_10              | Create a Plan to Manage Development in Landslide Hazard Areas | Create a plan to implement reinforcement measures in high-risk areas.                                              | Administrative              | Local Plans and Regulations          | Landslide           | Low      | Low                    | Township             | Municipal funding                                              |               | 3 years  | New           |

# Monmouth County Mitigation Action Worksheets

Community Action Number: 51\_01

Upper Freehold, Township of

## Describing the Action

|                        |                                                                                                                                                                                                                                                 |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Action Name:           | Continue to Provide Hazard Education and Risk Awareness                                                                                                                                                                                         |
| Action Category:       | Administrative                                                                                                                                                                                                                                  |
| Action Type:           | Education and Awareness Programs                                                                                                                                                                                                                |
| HMA Eligible Activity: | Miscellaneous/Other                                                                                                                                                                                                                             |
| Action Description:    | Ongoing development of education materials for distribution on the Township website and the OEM Facebook portal as well as print materials. Emergency notifications will be made as necessary via the Township's emergency notification system. |

## Evaluating the Action

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard(s) Addressed:        | All Hazards                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Goals:                      | 3, 4                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Risk Reduction:             | The general public's understanding of natural hazards and mitigation possibilities could be improved. The community's overall level disaster resistance would increase if a greater number of households undertook low-cost or no-cost, small-scale mitigation activities.                                                                                                                                                  |
| Technical:                  | Highly feasible. The Township maintains a website with content reserved for the Office of Emergency Management. The Office of Emergency Management maintains a Facebook site with access to more than 700 community members. In addition, the Office of Emergency Management utilizes a Community Notification System with GIS integration to identify & notify property owners and residents in the event of an emergency. |
| Political:                  | There is continued community and local government support for this mitigation.                                                                                                                                                                                                                                                                                                                                              |
| Legal:                      | The community is authorized to continue to implement and maintain this action.                                                                                                                                                                                                                                                                                                                                              |
| Environmental:              | No adverse environmental impact anticipated.                                                                                                                                                                                                                                                                                                                                                                                |
| Social:                     | This mitigation is available to all members of the community.                                                                                                                                                                                                                                                                                                                                                               |
| Administrative Capability:  | Township has sufficient capacity and experience to administer this action.                                                                                                                                                                                                                                                                                                                                                  |
| Local Champion:             | Emergency Management Coordinator, The Office of Emergency Management                                                                                                                                                                                                                                                                                                                                                        |
| Other Community Objectives: |                                                                                                                                                                                                                                                                                                                                                                                                                             |
| STAPLEE Evaluation:         | N/A                                                                                                                                                                                                                                                                                                                                                                                                                         |

## Implementing the Action

|                                  |                                                                                                                          |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Cost Estimate:                   | \$5,000.00                                                                                                               |
| Priority:                        |                                                                                                                          |
| Scale of Ease of Implementation: |                                                                                                                          |
| Responsible Party:               | Emergency Management Coordinator, Office of Emergency Management                                                         |
| Local Planning Mechanism:        | Upper Freehold Office of Emergency Management and the Upper Freehold Local Emergency Preparedness Council                |
| Likely Funding Source(s):        | Local budget and personnel are able to maintain & further develop this mitigation.                                       |
| Timeline:                        |                                                                                                                          |
| Action Status:                   | Completed                                                                                                                |
| Notes:                           | The Township held three presentations to inform residents of hazard risk and is now using the Nixel notification system. |

# Monmouth County Mitigation Action Worksheets

Community Action Number: 51\_02

Upper Freehold, Township of

## Describing the Action

|                        |                                                                                                            |
|------------------------|------------------------------------------------------------------------------------------------------------|
| Action Name:           | Improve Drainage System Capacity                                                                           |
| Action Category:       |                                                                                                            |
| Action Type:           | Structure and Infrastructure Project                                                                       |
| HMA Eligible Activity: | Localized Flood Risk Reduction Projects                                                                    |
| Action Description:    | Seasonal cleanup of culverts, roadside water management ditches, and drainage basins in flood prone areas. |

## Evaluating the Action

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard(s) Addressed:        | Flood                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Goals:                      | 2, 3, 5, 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Risk Reduction:             | Upper Freehold Township is located 26 miles from the Atlantic coastline in the Northeastern US. Coastal flooding is not a high threat, however inland, localized flooding is possible in areas within the Township. Past flooding conditions have been the result of severe storms, hurricanes, and rapid snowmelt. Local farms can contribute to the hazard as the rapid accumulation of water can become run-off from farms and flood roadways, homes or adjacent property. Accumulation of sediment, debris, and fallen trees impedes flood flows. |
| Technical:                  | Technically feasible.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Political:                  | There is continued community and local government support for this mitigation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Legal:                      | The community is authorized to continue to implement and maintain this action.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Environmental:              | No adverse environmental impact anticipated.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Social:                     | This mitigation is available to all members of the community.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Administrative Capability:  | Township has sufficient capacity and experience to administer this action.                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Local Champion:             | Department of Public Works                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Other Community Objectives: |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| STAPLEE Evaluation:         | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## Implementing the Action

|                                  |                                                                                                              |
|----------------------------------|--------------------------------------------------------------------------------------------------------------|
| Cost Estimate:                   | \$25,000.00                                                                                                  |
| Priority:                        |                                                                                                              |
| Scale of Ease of Implementation: |                                                                                                              |
| Responsible Party:               | Department of Public Works                                                                                   |
| Local Planning Mechanism:        | Upper Freehold Department of Public Works, Office of Emergency Management and the Upper Freehold Local Emerg |
| Likely Funding Source(s):        | Local budget and personnel are able to maintain & further develop this mitigation.                           |
| Timeline:                        |                                                                                                              |
| Action Status:                   | Completed                                                                                                    |
| Notes:                           |                                                                                                              |

# Monmouth County Mitigation Action Worksheets

Community Action Number: 51\_03

Upper Freehold, Township of

## Describing the Action

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Action Name:           | Acquire, elevate, or relocate buildings and infrastructure in flood prone areas, with a focus on Repetitive Loss (RL) and Severe Repetitive Loss (SRL) properties                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Action Category:       | Mitigation - Risk Reduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Action Type:           | Structure and Infrastructure Project                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| HMA Eligible Activity: | Structure Elevation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Action Description:    | Phase 1 - Meet with local zoning board to raise awareness of repetitive flood loss and meet with home & property owners with repetitive loss due to flooding to identify mitigation options and seek input to develop a strategy (i.e., elevation, acquisition, floodproofing, etc.). This action is regarding the single property in Upper Freehold on FEMA 's repetitive loss list. This property has had 6 losses between 1984 and 2012 totaling \$50,532 in damages (\$43,840 in damages to the building and \$6,692 in contents damages). Phase 2 - Submit a FEMA mitigation project grant application on behalf of the homeowner for the mitigation project of their choice. |

## Evaluating the Action

|                             |                                                                                                                                                                    |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard(s) Addressed:        | Flood, Nor'easter, Hurricane and Tropical Storm                                                                                                                    |
| Goals:                      | 2, 3, 4, 6                                                                                                                                                         |
| Risk Reduction:             | Flooding has significant impacts in Upper Freehold, with repetitive loss areas in need of mitigation.                                                              |
| Technical:                  | Phase 1 - meeting: technically feasible; Phase 2 - Typical flood mitigation project types (acquisition, elevation, floodproofing): all technically feasible types. |
| Political:                  | There is continued community and local government support for this mitigation.                                                                                     |
| Legal:                      | The community is authorized to continue to implement and maintain this action.                                                                                     |
| Environmental:              | Positively impacts the environment by increasing the permeable surface for each homeowner property.                                                                |
| Social:                     | This mitigation is available to all members of the community.                                                                                                      |
| Administrative Capability:  | Township has sufficient capacity and experience to administer this action.                                                                                         |
| Local Champion:             | Office of Emergency Management                                                                                                                                     |
| Other Community Objectives: |                                                                                                                                                                    |
| STAPLEE Evaluation:         | 10                                                                                                                                                                 |

## Implementing the Action

|                                  |                                                                                                                                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Cost Estimate:                   |                                                                                                                                                 |
| Priority:                        | High                                                                                                                                            |
| Scale of Ease of Implementation: | Medium                                                                                                                                          |
| Responsible Party:               | Emergency Management Coordinator, Office of Emergency Management                                                                                |
| Local Planning Mechanism:        | Upper Freehold Office of Emergency Management and the Upper Freehold Local Emergency Preparedness Council                                       |
| Likely Funding Source(s):        | FEMA HMA, County funding                                                                                                                        |
| Timeline:                        | 1 year                                                                                                                                          |
| Action Status:                   | Ongoing                                                                                                                                         |
| Notes:                           | Ongoing 2015 action; the Township will work with the two repetitive loss properties on mitigation options. One property is owned by the County. |

# Monmouth County Mitigation Action Worksheets

Community Action Number: 51\_04

Upper Freehold, Township of

## Describing the Action

|                        |                                                                                                                                                                                                                                                                                          |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Action Name:           | Identify and Remove Hazardous Trees                                                                                                                                                                                                                                                      |
| Action Category:       | Administrative                                                                                                                                                                                                                                                                           |
| Action Type:           | Natural Systems Protection                                                                                                                                                                                                                                                               |
| HMA Eligible Activity: | Miscellaneous/Other                                                                                                                                                                                                                                                                      |
| Action Description:    | Identify trees and/or tree limbs with the potential to cause loss of life, property damage, utility loss or road closure. Advise property owners of potential hazards and where appropriate, engage community resources, and/or utility company resources to mitigate potential hazards. |

## Evaluating the Action

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard(s) Addressed:        | Extreme Wind                                                                                                                                                                                                                                                                                                                                                                                                                |
| Goals:                      | 1, 2, 5, 6                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Risk Reduction:             | High winds during severe storms causes trees and limbs to fall, damaging property, interrupting electrical service, and blocking roadways.                                                                                                                                                                                                                                                                                  |
| Technical:                  | Highly feasible. The Township maintains a website with content reserved for the Office of Emergency Management. The Office of Emergency Management maintains a Facebook site with access to more than 700 community members. In addition, the Office of Emergency Management utilizes a Community Notification System with GIS integration to identify & notify property owners and residents in the event of an emergency. |
| Political:                  | There is continued community and local government support for this mitigation.                                                                                                                                                                                                                                                                                                                                              |
| Legal:                      | The community is authorized to continue to implement and maintain this action.                                                                                                                                                                                                                                                                                                                                              |
| Environmental:              | No adverse environmental impact anticipated.                                                                                                                                                                                                                                                                                                                                                                                |
| Social:                     | This mitigation is available to all members of the community.                                                                                                                                                                                                                                                                                                                                                               |
| Administrative Capability:  | Township has sufficient capacity and experience to administer this action.                                                                                                                                                                                                                                                                                                                                                  |
| Local Champion:             | Office of Emergency Management                                                                                                                                                                                                                                                                                                                                                                                              |
| Other Community Objectives: |                                                                                                                                                                                                                                                                                                                                                                                                                             |
| STAPLEE Evaluation:         | N/A                                                                                                                                                                                                                                                                                                                                                                                                                         |

## Implementing the Action

|                                  |                                                                                                                                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Cost Estimate:                   | \$25,000.00                                                                                                                                     |
| Priority:                        | Medium                                                                                                                                          |
| Scale of Ease of Implementation: | Low                                                                                                                                             |
| Responsible Party:               | Public Works                                                                                                                                    |
| Local Planning Mechanism:        | Upper Freehold Office of Emergency Management and the Upper Freehold local Emergency Preparedness Council, U                                    |
| Likely Funding Source(s):        | Municipal budget, JCP&L Utility                                                                                                                 |
| Timeline:                        | 1 year                                                                                                                                          |
| Action Status:                   | Ongoing                                                                                                                                         |
| Notes:                           | Ongoing 2015 action; currently, JCP&L routinely trim trees however the Township is looking for funding opportunities for a maintenance program. |



# Monmouth County Mitigation Action Worksheets

Community Action Number: 51\_05

Upper Freehold, Township of

## Describing the Action

|                        |                                                                                                                                                                                                                      |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Action Name:           | Create a Wildfire Inventory of Potential At Risk Properties and Develop an Alerting System to Notify Those Residents                                                                                                 |
| Action Category:       | Administrative                                                                                                                                                                                                       |
| Action Type:           | Education and Awareness Programs                                                                                                                                                                                     |
| HMA Eligible Activity: | Wildfire Mitigation                                                                                                                                                                                                  |
| Action Description:    | Develop an inventory of addresses that could be affected by a wildfire. Use inventory and develop a route alerting system. Identify property owners for focused outreach, education & awareness of wildfire hazards. |

## Evaluating the Action

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard(s) Addressed:        | Wildfire                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Goals:                      | 1, 2, 3, 4, 5, 6                                                                                                                                                                                                                                                                                                                                                                                                            |
| Risk Reduction:             | Wildfire                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Technical:                  | Highly feasible. The Township maintains a website with content reserved for the Office of Emergency Management. The Office of Emergency Management maintains a Facebook site with access to more than 700 community members. In addition, the Office of Emergency Management utilizes a Community Notification System with GIS integration to identify & notify property owners and residents in the event of an emergency. |
| Political:                  | There is continued community and local government support for this mitigation.                                                                                                                                                                                                                                                                                                                                              |
| Legal:                      | The community is authorized to continue to implement and maintain this action.                                                                                                                                                                                                                                                                                                                                              |
| Environmental:              | No adverse environmental impact anticipated.                                                                                                                                                                                                                                                                                                                                                                                |
| Social:                     | This mitigation is available to all members of the community.                                                                                                                                                                                                                                                                                                                                                               |
| Administrative Capability:  | Township has sufficient capacity and experience to administer this action.                                                                                                                                                                                                                                                                                                                                                  |
| Local Champion:             | Department of Public Works                                                                                                                                                                                                                                                                                                                                                                                                  |
| Other Community Objectives: |                                                                                                                                                                                                                                                                                                                                                                                                                             |
| STAPLEE Evaluation:         | N/A                                                                                                                                                                                                                                                                                                                                                                                                                         |

## Implementing the Action

|                                  |                                                                                                                                                                                                                       |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cost Estimate:                   | \$5,000.00                                                                                                                                                                                                            |
| Priority:                        | Medium                                                                                                                                                                                                                |
| Scale of Ease of Implementation: | Low                                                                                                                                                                                                                   |
| Responsible Party:               | DPW                                                                                                                                                                                                                   |
| Local Planning Mechanism:        | Upper Freehold Office of Emergency Management and the Upper Freehold Local Emergency Preparedness Council                                                                                                             |
| Likely Funding Source(s):        | Municipal budget                                                                                                                                                                                                      |
| Timeline:                        | 1 year                                                                                                                                                                                                                |
| Action Status:                   | Ongoing                                                                                                                                                                                                               |
| Notes:                           | Ongoing 2015 action; the Township is interested in the inventory of addresses at risk and the addresses that obtain permits. The Township is also interested in controlled burnings to mitigate the risk of wildfire. |

# Monmouth County Mitigation Action Worksheets

Community Action Number: 51\_06

Upper Freehold, Township of

## Describing the Action

|                        |                                                                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Action Name:           | Coordinate with the County on Clearing Sediment and Debris at Bridges U-15 Breza Rd. and U-52 Ellisdale Rd.                                             |
| Action Category:       | Maintenance/Response/Recovery                                                                                                                           |
| Action Type:           | Structure and Infrastructure Project                                                                                                                    |
| HMA Eligible Activity: | Miscellaneous/Other/NA                                                                                                                                  |
| Action Description:    | Coordinate with the County on cleaning the sediment, debris, and fallen trees which block waterways at bridges U-15 Breza Road and U-52 Ellisdale Road. |

## Evaluating the Action

|                             |                                                                                                                                                              |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard(s) Addressed:        | Flood, Nor'easter, Hurricane and Tropical Storm                                                                                                              |
| Goals:                      | 2, 3, 6                                                                                                                                                      |
| Risk Reduction:             | Scour has become an issue during periods of significant rainfall and runoff at Bridges U-15 Breza Road and U-52 Ellisdale Road.                              |
| Technical:                  | The Upper Freehold Township Department of Public Works will identify known issues and communicate them with the appropriate Monmouth County agency.          |
| Political:                  | Township doesn't have jurisdiction to fix the problem directly but is going to team up with the appropriate Monmouth County agency that can fix the problem. |
| Legal:                      | Upper Freehold Township does not have jurisdiction over these county bridges.                                                                                |
| Environmental:              | No adverse environmental impact anticipated.                                                                                                                 |
| Social:                     | This mitigation is available to all members of the community.                                                                                                |
| Administrative Capability:  | Township has sufficient capacity and experience to administer this action.                                                                                   |
| Local Champion:             | Department of Public Works                                                                                                                                   |
| Other Community Objectives: |                                                                                                                                                              |
| STAPLEE Evaluation:         | N/A                                                                                                                                                          |

## Implementing the Action

|                                  |                                                                                                                                                              |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cost Estimate:                   |                                                                                                                                                              |
| Priority:                        | Medium                                                                                                                                                       |
| Scale of Ease of Implementation: | Medium                                                                                                                                                       |
| Responsible Party:               | Township and Monmouth County                                                                                                                                 |
| Local Planning Mechanism:        | Upper Freehold Department of Public Works, Office of Emergency Management and the Upper Freehold Local Emerg                                                 |
| Likely Funding Source(s):        | Municipal and County budget                                                                                                                                  |
| Timeline:                        | 1 year                                                                                                                                                       |
| Action Status:                   | Ongoing                                                                                                                                                      |
| Notes:                           | Ongoing 2015 action; the Township still would like to coordinate with the County on mitigation solutions and are looking for possible funding opportunities. |

# Monmouth County Mitigation Action Worksheets

Community Action Number: 51\_07

Upper Freehold, Township of

## Describing the Action

|                        |                                                                                                                                                                                                                                                                     |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Action Name:           | Clear Sediment and Debris at Bridges U-53, U-47, and U-48                                                                                                                                                                                                           |
| Action Category:       | Maintenance/Response/Recovery                                                                                                                                                                                                                                       |
| Action Type:           | Structure and Infrastructure Project                                                                                                                                                                                                                                |
| HMA Eligible Activity: | Soil Stabilization                                                                                                                                                                                                                                                  |
| Action Description:    | Roadway bank protection at Bridge U-53 Provinceline Road; and Bridges U-47 & U-48 Walnsmill Road. Since Upper Freehold does not have jurisdiction over these county bridges, our action will be to meet with the County advise them of the issues we have observed. |

## Evaluating the Action

|                             |                                                                                                                                                               |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard(s) Addressed:        | Flood, Nor'easter, Hurricane and Tropical Storm                                                                                                               |
| Goals:                      | 2, 3, 6                                                                                                                                                       |
| Risk Reduction:             | Scour has become an issue during periods of significant rainfall and runoff at: Bridge US- 53 Provinceline Road; and Bridges US-47 & US-48 Walnsmill Road.    |
| Technical:                  | The Upper Freehold Township Department of Public Works will identify known issues and communicate them with the appropriate Monmouth County agency.           |
| Political:                  | Township doesn't have jurisdiction to fix the problem directly, but is going to team up with the appropriate Monmouth County agency that can fix the problem. |
| Legal:                      | Upper Freehold Township does not have jurisdiction over these County bridges.                                                                                 |
| Environmental:              | No adverse environmental impact anticipated.                                                                                                                  |
| Social:                     | This mitigation is available to all members of the community.                                                                                                 |
| Administrative Capability:  | Township has sufficient capacity and experience to administer this action.                                                                                    |
| Local Champion:             | Supervisor, Department of Public Works                                                                                                                        |
| Other Community Objectives: |                                                                                                                                                               |
| STAPLEE Evaluation:         | N/A                                                                                                                                                           |

## Implementing the Action

|                                  |                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Cost Estimate:                   |                                                                                                                    |
| Priority:                        | Medium                                                                                                             |
| Scale of Ease of Implementation: | Low                                                                                                                |
| Responsible Party:               | Township and Monmouth County                                                                                       |
| Local Planning Mechanism:        | Upper Freehold Department of Public Works, Office of Emergency Management and the Upper Freehold Local Emerg       |
| Likely Funding Source(s):        | Local budget and personnel are able to maintain & further develop this mitigation.                                 |
| Timeline:                        | 1 year                                                                                                             |
| Action Status:                   | Ongoing                                                                                                            |
| Notes:                           | Ongoing 2015 action; the Township is still interested in this action and once funds are available, will implement. |

# Monmouth County Mitigation Action Worksheets

Community Action Number: 51\_08

Upper Freehold, Township of

## Describing the Action

Action Name: Purchase and Install Generators for the Municipal Building and the First Aid Building

Action Category: Mitigation - Continuity of Fuctional Use

Action Type: Structure and Infrastructure Project

HMA Eligible Activity: Generators

Action Description: New generators for the Municipal Building and the First Aid Building.

## Evaluating the Action

Hazard(s) Addressed: All Hazards

Goals: 2, 7

Risk Reduction: Two critical facilities do not have backup generators

Technical: Technically feasible.

Political: No adverse political ramifications are expected.

Legal: No legal impediments anticipated.

Environmental: No adverse environmental impact anticipated

Social: Does not adversely affect any particular social group. Perceived by the public to be a good thing because it supports local services during emergencies.

Administrative Capability: Township has sufficient capacity and experience to administer this action.

Local Champion: OEM

Other Community Objectives:

STAPLEE Evaluation: N/A

## Implementing the Action

Cost Estimate:

Priority: Medium

Scale of Ease of Implementation: Low

Responsible Party: Township

Local Planning Mechanism: Hazard Mitigation Plan

Likely Funding Source(s): FEMA HMA

Timeline: 1 year

Action Status: New

Notes:

# Monmouth County Mitigation Action Worksheets

Community Action Number: 51\_09

Upper Freehold, Township of

## Describing the Action

|                        |                                                                                                                    |
|------------------------|--------------------------------------------------------------------------------------------------------------------|
| Action Name:           | Repair, Remove, or Rehabilitate the Assunpink #4 Dam                                                               |
| Action Category:       | Mitigation - Risk Reduction                                                                                        |
| Action Type:           | Structure and Infrastructure Project                                                                               |
| HMA Eligible Activity: | Localized Flood Risk Reduction Projects                                                                            |
| Action Description:    | Repair, remove, or rehabilitate the Assunpink #4 Dam, a High-Hazard Potential Dam, located on the Assunpink Creek. |

## Evaluating the Action

|                            |                                                                                                                                                                   |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard(s) Addressed:       | Dam Failure                                                                                                                                                       |
| Goals:                     | 1, 2, 3                                                                                                                                                           |
| Risk Reduction:            | NJDEP classifies Assunpink #4 Dam to be a High-Hazard Potential, meaning failure of the dam may result in probable loss of life and/or extensive property damage. |
| Technical:                 | Technically feasible.                                                                                                                                             |
| Political:                 | There are no anticipated political implications.                                                                                                                  |
| Legal:                     | May require coordination with NJDEP.                                                                                                                              |
| Environmental:             | Minor environmental impacts expected.                                                                                                                             |
| Social:                    | No adverse social impact anticipated.                                                                                                                             |
| Administrative Capability: | Township has sufficient capacity and experience to administer this action.                                                                                        |
| Local Champion:            | OEM                                                                                                                                                               |

Other Community Objectives:

STAPLEE Evaluation:

## Implementing the Action

|                                  |                                                                |
|----------------------------------|----------------------------------------------------------------|
| Cost Estimate:                   |                                                                |
| Priority:                        | High                                                           |
| Scale of Ease of Implementation: | High                                                           |
| Responsible Party:               | Ownership not known.                                           |
| Local Planning Mechanism:        | Hazard Mitigation Plan                                         |
| Likely Funding Source(s):        | Municipal budget, NJDEP Bureau of Dam Safety and Flood Control |
| Timeline:                        | 2 years                                                        |
| Action Status:                   | New                                                            |

Notes: FEMA has a National Dam Safety Program with funding available to High-Hazard Potential Dams, however, the Assunpink #4 Dam does not qualify for funding at the time of this plan update.

# Monmouth County Mitigation Action Worksheets

Community Action Number: 51\_10

Upper Freehold, Township of

## Describing the Action

|                        |                                                                       |
|------------------------|-----------------------------------------------------------------------|
| Action Name:           | Create a Plan to Manage Development in Landslide Hazard Areas         |
| Action Category:       | Administrative                                                        |
| Action Type:           | Local Plans and Regulations                                           |
| HMA Eligible Activity: | Miscellaneous/Other/NA                                                |
| Action Description:    | Create a plan to implement reinforcement measures in high-risk areas. |

## Evaluating the Action

|                             |                                                                                     |
|-----------------------------|-------------------------------------------------------------------------------------|
| Hazard(s) Addressed:        | Landslide                                                                           |
| Goals:                      | 1, 2, 5                                                                             |
| Risk Reduction:             | Howell Township is in the USGS landslide hazard maps as "high landslide incidence." |
| Technical:                  | Technically feasible.                                                               |
| Political:                  | There are no anticipated political implications.                                    |
| Legal:                      | No legal impediments anticipated.                                                   |
| Environmental:              | No environmental impacts are anticipated at this time.                              |
| Social:                     | Does not adversely affect any particular social group.                              |
| Administrative Capability:  | Township has sufficient capacity and experience to administer this action.          |
| Local Champion:             | OEM                                                                                 |
| Other Community Objectives: |                                                                                     |
| STAPLEE Evaluation:         | N/A                                                                                 |

## Implementing the Action

|                                  |                        |
|----------------------------------|------------------------|
| Cost Estimate:                   |                        |
| Priority:                        | Low                    |
| Scale of Ease of Implementation: | Low                    |
| Responsible Party:               | Township               |
| Local Planning Mechanism:        | Hazard Mitigation Plan |
| Likely Funding Source(s):        | Municipal funding      |
| Timeline:                        | 3 years                |
| Action Status:                   | New                    |
| Notes:                           |                        |

## CAPABILITY ASSESSMENT WORKSHEET

|                                                                                                                              |               |                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Other special plans (e.g., brownfields redevelopment, disaster recovery, coastal zone management, climate change adaptation) |               |                                                                                                                                      |
| <b>Building Code, Permitting, and Inspections</b>                                                                            | <b>Yes/No</b> | <b>Are codes adequately enforced?</b>                                                                                                |
| Building Code                                                                                                                | Yes           | Version/Year:                                                                                                                        |
| Building Code Effectiveness Grading Schedule (BCEGS) Score                                                                   |               | Score:                                                                                                                               |
| Fire Department ISO rating                                                                                                   |               | Rating:                                                                                                                              |
| Site Plan Review Requirements                                                                                                | Yes           |                                                                                                                                      |
| <b>Land Use Planning and Ordinances</b>                                                                                      | <b>Yes/No</b> | <b>Is the ordinance an effective measure for reducing hazard impacts?<br/>Is the ordinance adequately administered and enforced?</b> |
| Zoning Ordinance                                                                                                             | Yes           |                                                                                                                                      |
| Subdivision Ordinance                                                                                                        | Yes           |                                                                                                                                      |
| Floodplain Ordinance                                                                                                         |               |                                                                                                                                      |
| Natural hazard ordinance (stormwater, steep slope, wildfire)                                                                 |               |                                                                                                                                      |
| Flood Insurance Rate Maps                                                                                                    |               |                                                                                                                                      |
| Acquisition of Land for Open Space and Public Recreation Uses                                                                |               |                                                                                                                                      |
| Post-Disaster Recovery Ordinance                                                                                             | Yes           |                                                                                                                                      |
| Real Estate Disclose Ordinance                                                                                               | Yes           |                                                                                                                                      |



# CAPABILITY ASSESSMENT WORKSHEET

Name: Dana Tyler

Title: Municipal Clerk

Jurisdiction: Upper Freehold Township

Organization:

Local Mitigation Capabilities are existing authorities, policies, programs, and resources that reduce hazard impacts or that could be used to implement hazard mitigation activities. Please complete the tables and questions in the worksheet as completely as possible.

## Planning & Regulatory

Planning and Regulatory Capabilities are the plans, policies, codes, and ordinances that prevent and reduce the impacts of hazards. Please indicate which of the following your jurisdiction currently has in place.

| Plan                               | Yes/No | 1. What is the date/year of the plan?<br>2. Does the plan address hazards?<br>3. Does the plan identify projects to include in the mitigation strategy?<br>4. Can the plan be used to implement mitigation actions? |
|------------------------------------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Comprehensive/Master Plan          | Yes    |                                                                                                                                                                                                                     |
| Capital Improvements Plan          | Yes    |                                                                                                                                                                                                                     |
| Economic Development Plan          | Yes    |                                                                                                                                                                                                                     |
| Local Emergency Operations Plan    | Yes    |                                                                                                                                                                                                                     |
| Continuity of Operations Plan      |        |                                                                                                                                                                                                                     |
| Post-Disaster Recovery Plan        | Yes    |                                                                                                                                                                                                                     |
| Transportation Plan                |        |                                                                                                                                                                                                                     |
| Stormwater Management Plan         |        |                                                                                                                                                                                                                     |
| Community Wildfire Protection Plan |        |                                                                                                                                                                                                                     |





## CAPABILITY ASSESSMENT WORKSHEET

|                                                                                |     |                                                            |
|--------------------------------------------------------------------------------|-----|------------------------------------------------------------|
| Other (ie. Special Purposes Ordinance)                                         | Yes | Special Purposes Ordinance and Growth Management Ordinance |
| <b>How can the above capabilities be expanded and improved to reduce risk?</b> |     |                                                            |
|                                                                                |     |                                                            |

### Administrative & Technical

Identify whether your community has the following administrative and technical capabilities. These include staff and their skills and tools that can be used for mitigation planning and to implement specific mitigation actions. For smaller jurisdictions without local staff resources, if there are public resources at the next higher-level government that can provide technical assistance, indicate so in your comments.

| Administration                                                                       | Yes/No          | Describe capability<br>Is coordination effective?                                                                                                                                                |
|--------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Planning Commission                                                                  |                 |                                                                                                                                                                                                  |
| Mitigation Planning Committee                                                        |                 |                                                                                                                                                                                                  |
| Maintenance Programs to Reduce Risk (e.g., tree trimming, clearing drainage systems) |                 |                                                                                                                                                                                                  |
| Mutual Aid Agreements                                                                |                 |                                                                                                                                                                                                  |
| Staff                                                                                | Yes/No<br>FT/PT | Is the staff full time or part time?<br>Is staffing adequate to enforce regulations?<br>Is the staff trained on hazards and mitigation?<br>Is coordination between agencies and staff effective? |
| Chief Building Official                                                              |                 |                                                                                                                                                                                                  |
| Floodplain Administrator                                                             | Yes             |                                                                                                                                                                                                  |
| Emergency Manager                                                                    | Yes             |                                                                                                                                                                                                  |
| Community Planner                                                                    | Yes             |                                                                                                                                                                                                  |



## CAPABILITY ASSESSMENT WORKSHEET

|                                                                                |               |                                                                                              |
|--------------------------------------------------------------------------------|---------------|----------------------------------------------------------------------------------------------|
| Civil Engineer                                                                 | Yes           |                                                                                              |
| Surveyor                                                                       | Yes           |                                                                                              |
| GIS Coordinator                                                                | Yes           |                                                                                              |
| Scientists familiar with the hazards of the community                          | No            |                                                                                              |
| Other                                                                          |               |                                                                                              |
| <b>Technical</b>                                                               | <b>Yes/No</b> | <b>Describe capability<br/>Has capability been used to access/mitigate risk in the past?</b> |
| Warning Systems/Services<br>(Reverse 911, outdoor warning signals)             | Yes           | Nixel System                                                                                 |
| Hazard Data and Information                                                    |               |                                                                                              |
| Grant Writing                                                                  | Yes           |                                                                                              |
| Hazus Analysis                                                                 | Yes           |                                                                                              |
| Other                                                                          |               |                                                                                              |
| <b>How can the above capabilities be expanded and improved to reduce risk?</b> |               |                                                                                              |
|                                                                                |               |                                                                                              |



## CAPABILITY ASSESSMENT WORKSHEET

### Financial

Identify whether your jurisdiction has access to or is eligible to use the following funding resources for hazard mitigation.

| Funding Resource                                                           | Access / Eligibility (Yes/No) | Has the funding resource been used in the past and for what type of activities?<br>Could the resource be used to fund future mitigation actions? |
|----------------------------------------------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Capital Improvements Project Funding                                       | No                            |                                                                                                                                                  |
| Authority to Levy Taxes for Specific Purposes                              | Yes                           |                                                                                                                                                  |
| Fees for Water, Sewer, Gas, or Electric Services                           | No                            |                                                                                                                                                  |
| Impact Fees for New Development                                            | Yes                           |                                                                                                                                                  |
| Stormwater Utility Fee                                                     |                               |                                                                                                                                                  |
| Incur Debt Through Private Activities                                      | No                            |                                                                                                                                                  |
| Community Development Block Grant                                          | Yes                           |                                                                                                                                                  |
| Other Federal Funding Programs                                             | No                            |                                                                                                                                                  |
| State Funding Programs                                                     |                               |                                                                                                                                                  |
| Other (e.g., withhold spending in hazard-prone areas)                      | Yes                           | Incur Debt through General Obligation Funds and Incur Debt through Special Tax and Revenue Bonds                                                 |
| <b>How can these capabilities be expanded and improved to reduce risk?</b> |                               |                                                                                                                                                  |
|                                                                            |                               |                                                                                                                                                  |



## CAPABILITY ASSESSMENT WORKSHEET

### Education and Outreach

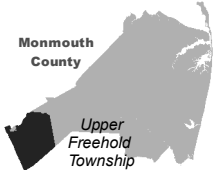
Identify education and outreach programs and methods already in place that could be used to implement mitigation activities and communicate hazard-related information.

| Program/Organization                                                                                                                                        | Yes/No | Describe program/organization and how it relates to disaster resilience and mitigation.<br>Could the program/organization help implement future mitigation activities? |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Local Citizen Groups or Non-Profit Organizations Focused on Environmental Protection, Emergency Preparedness, Access and Functional Needs Populations, etc. |        |                                                                                                                                                                        |
| Ongoing Public Education or Information Programs (e.g., responsible water use, fire safety, household preparedness, environmental education)                | Yes    | The Township held three presentations to inform residents of hazard risk.                                                                                              |
| Natural Disaster or Safety Related School Programs                                                                                                          |        |                                                                                                                                                                        |
| StormReady Certification                                                                                                                                    |        |                                                                                                                                                                        |
| Firewise Communities Certification                                                                                                                          |        |                                                                                                                                                                        |
| Public-Private Partnership Initiatives Addressing Disaster Related Issues                                                                                   |        |                                                                                                                                                                        |
| Other                                                                                                                                                       |        |                                                                                                                                                                        |
| <b>How can these capabilities be expanded and improved to reduce risk?</b>                                                                                  |        |                                                                                                                                                                        |
|                                                                                                                                                             |        |                                                                                                                                                                        |



UPPER FREEHOLD TOWNSHIP  
FLOOD VULNERABILITY

MONMOUTH COUNTY HAZARD MITIGATION PLAN



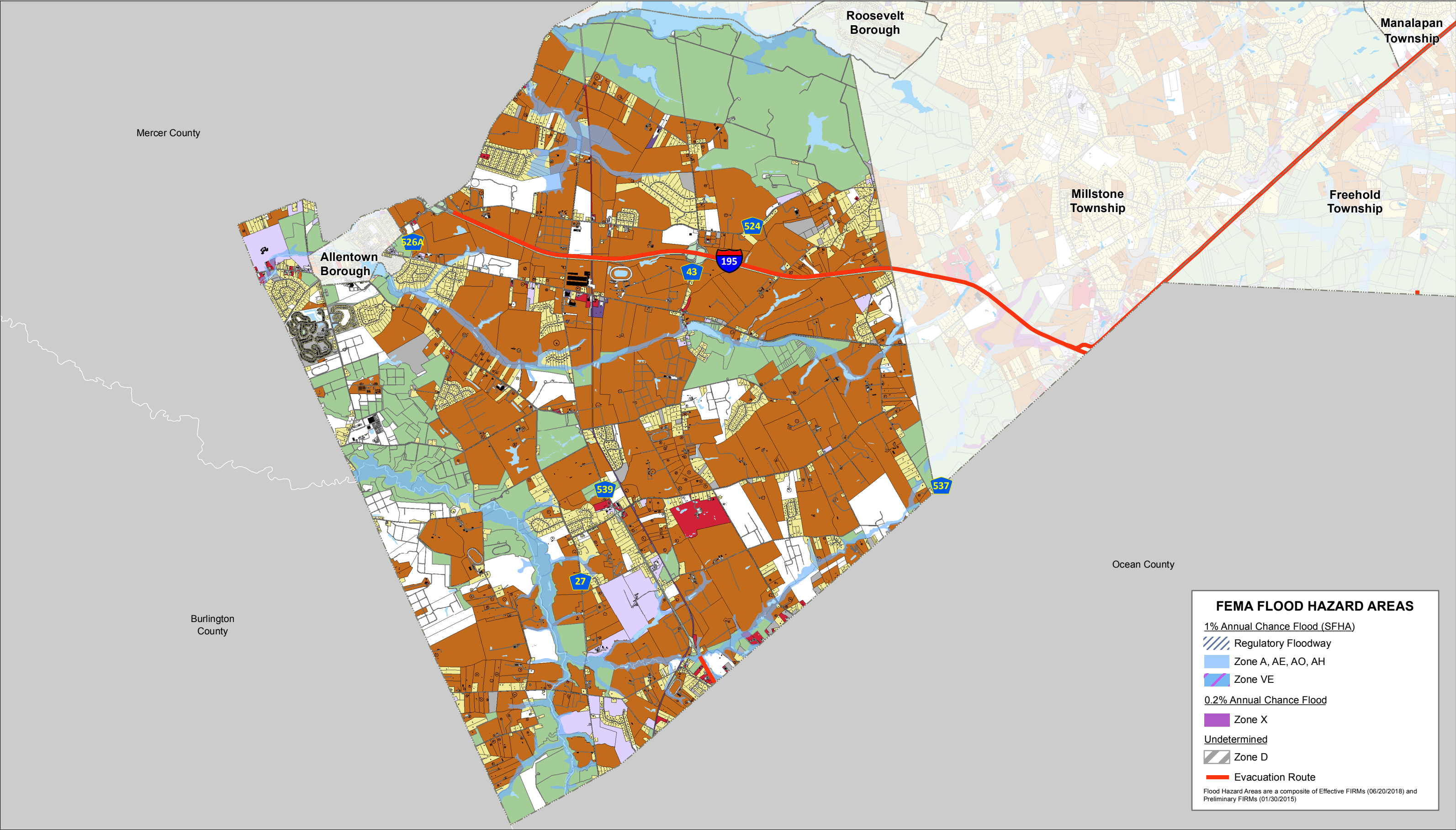
- Parcel Classification
- |            |            |                           |                                     |            |
|------------|------------|---------------------------|-------------------------------------|------------|
| Industrial | Commercial | Apartment                 | Residential (four families or less) |            |
| Farm       | Vacant     | Civic/Public (Tax Exempt) | Unclassified                        | Open Space |

0 2,750 5,500 Feet

Source: 2014 Esri; Monmouth County; NJOIT-OGIS; NJGIN MODIV Parcel, FEMA  
Projection: New Jersey State Plane, NAD 1983



Michael Baker  
INTERNATIONAL



**FEMA FLOOD HAZARD AREAS**

1% Annual Chance Flood (SFHA)

- Regulatory Floodway
- Zone A, AE, AO, AH
- Zone VE

0.2% Annual Chance Flood

- Zone X

Undetermined

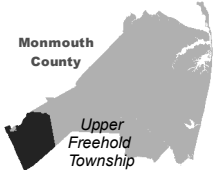
- Zone D

Evacuation Route

Flood Hazard Areas are a composite of Effective FIRMs (06/20/2018) and Preliminary FIRMs (01/30/2015)

This map was developed using the 10-04-18 statewide composite of parcel data published by the NJOIT-OGIS. The State of New Jersey makes great effort to provide secure, accurate, and complete data and metadata. However, portions of the data and metadata may be incorrect or not current. Any errors or omissions should be reported for investigation to OGIS.



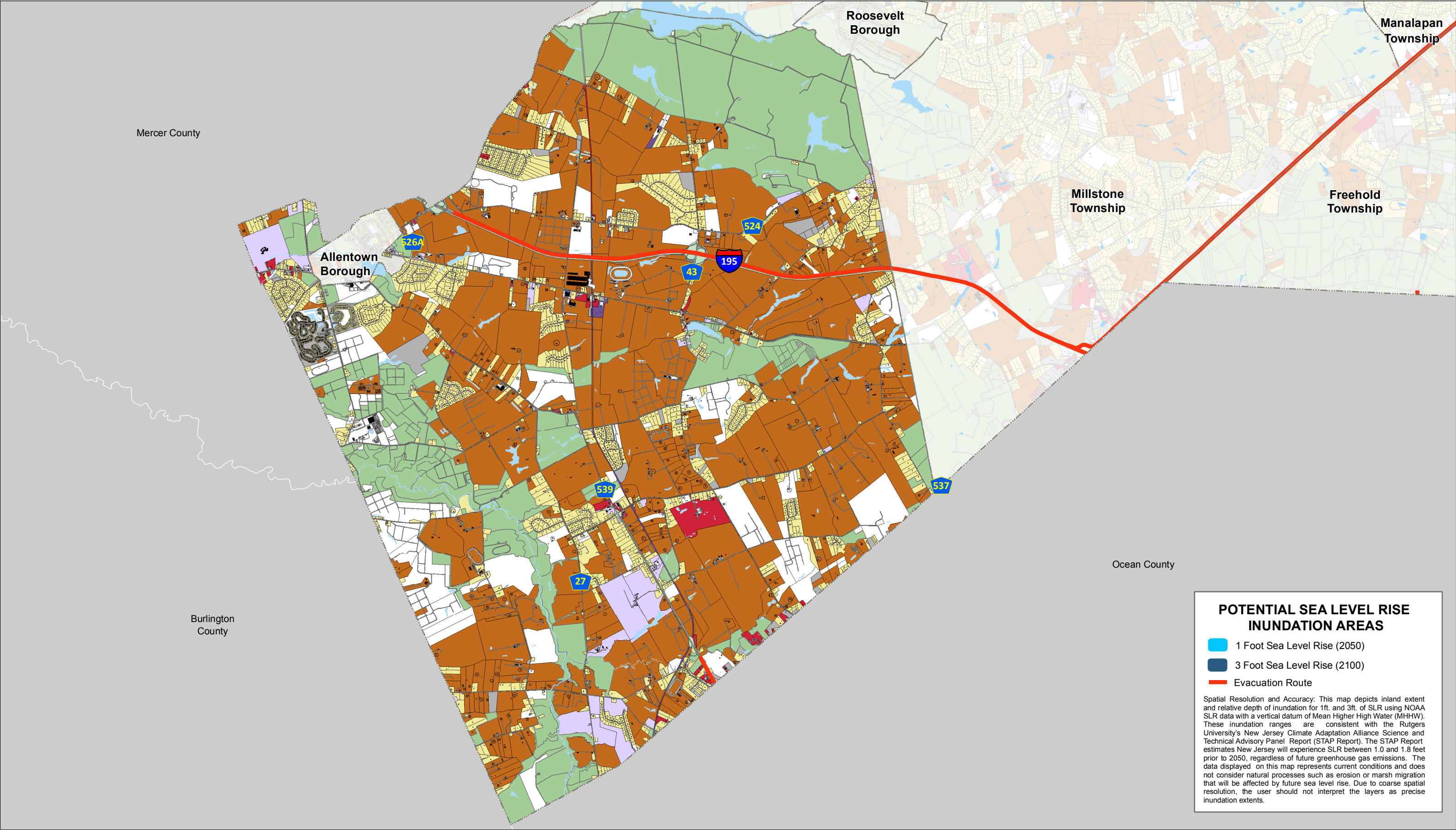


Parcel Classification

|            |            |                           |                                     |            |
|------------|------------|---------------------------|-------------------------------------|------------|
| Industrial | Commercial | Apartment                 | Residential (four families or less) |            |
| Farm       | Vacant     | Civic/Public (Tax Exempt) | Unclassified                        | Open Space |

0 2,750 5,500 Feet

Source: 2014 Esri; Monmouth County; NJOIT-OGIS; NJGIN MODIV Parcel, FEMA  
Projection: New Jersey State Plane, NAD 1983



**POTENTIAL SEA LEVEL RISE INUNDATION AREAS**

- 1 Foot Sea Level Rise (2050)
- 3 Foot Sea Level Rise (2100)
- Evacuation Route

Spatial Resolution and Accuracy: This map depicts inland extent and relative depth of inundation for 1ft. and 3ft. of SLR using NOAA SLR data with a vertical datum of Mean Higher High Water (MHHW). These inundation ranges are consistent with the Rutgers University's New Jersey Climate Adaptation Alliance Science and Technical Advisory Panel Report (STAP Report). The STAP Report estimates New Jersey will experience SLR between 1.0 and 1.8 feet prior to 2050, regardless of future greenhouse gas emissions. The data displayed on this map represents current conditions and does not consider natural processes such as erosion or marsh migration that will be affected by future sea level rise. Due to coarse spatial resolution, the user should not interpret the layers as precise inundation extents.



## MEETING NOTES

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**Topic:** Upper Freehold Twp- Monmouth County HMP Update Meeting

**Date:** June 17, 2019

**Time:** 3:00 PM- 4:00 PM

**Location:** Conference Call

**Attendees:**

|          |            |                         |
|----------|------------|-------------------------|
| Sal      | Fioreno    | DPW Chieg               |
| Dianne   | Kelly      | Administrator           |
| James    | Rosenbauer | OEM Coordinator         |
| Dana     | Taylor     | Assistant Administrator |
| Craig    | Wenger     | Project Manager MB      |
| Michael  | Yaffe      | MB Planner              |
| Brittany | Ashman     | MB Planner              |

**Drafted by:** Paige Kaspar

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**Introductions (Paige):**

- Goals and Hazards
- What is Mitigation Hazard Planning?
- Funding Available
  - HMA
- Mitigation Strategies

**2015 Mitigation Action:**

- Community Action 51\_01 Hazard Education and Awareness **Completed**
  - 3 group presentations Fire, EMS,
  - Nixel notifications of severe storms
- Community Action 51\_02 Improve Drainage System Capacity **Completed**
  - Maintained ditches
  - Street map color coded on drainage
- Community Action 51\_03 Mitigate Floodprone Residential Structures Ongoing
  - 3 Wygant Rd SRL (6 losses, \$67,000, not mitigated & no insurance)



## Monmouth County Multi-Jurisdictional Hazard Mitigation Plan Update



- 73 Walnford Rd RL (county property, nonresidential)
- Community Action 51\_04 Reduction of Tree & Tree Limb Hazards Ongoing
  - JCP&L routinely trim trees
  - Grant → how much debris
  - Responsible party is Public Works
- Community Action 51\_05 Wildfire Inventory Ongoing
  - Inventory of addresses as needed
  - Inventory of properties that obtain permits
  - Controlled burns of open space
- Community Action 51\_06 Clear Sediment and Debris (US-15 and US-52) Ongoing
  - County bridges
- Community Action 51\_07 Clear Sediment and Debris (US-53, US-47, US-48) Ongoing





Monmouth County  
Multi-Jurisdictional Hazard Mitigation Plan Update



**Meeting: Upper Freehold Twp.**

**Date: 06-17-19**

| Initial | Last Name  | First Name | Title                   | Organization        | Email Address                                                                      |
|---------|------------|------------|-------------------------|---------------------|------------------------------------------------------------------------------------|
|         | Ashman     | Brittany   | Planner                 | MB                  | <a href="mailto:Brittany.ashman_mbakerintl.com">Brittany.ashman_mbakerintl.com</a> |
|         | Wenger     | Craig      | Department Manager      | MB                  | <a href="mailto:CWenger_mbakerintl.com">CWenger_mbakerintl.com</a>                 |
|         | Yaffe      | Michael    | Senior Planner          | MB                  | <a href="mailto:Michael.Yaffe_mbakerintl.com">Michael.Yaffe_mbakerintl.com</a>     |
|         | Rosenbauer | James      | OEM Coordinator         | Upper Freehold Twp. | <a href="mailto:jrosenbauer_uftnj.com">jrosenbauer_uftnj.com</a>                   |
|         | Kelly      | Dianne     | Administrator           | Upper Freehold Twp. | <a href="mailto:uftnjadmin_uftnj.com">uftnjadmin_uftnj.com</a>                     |
|         | Taylor     | Dana       | Assistant Administrator | Upper Freehold Twp. | <a href="mailto:uftnjadmin_uftnj.com">uftnjadmin_uftnj.com</a>                     |
|         | Fioreno    | Sal        | DPW Chief               | Upper Freehold Twp. | <a href="mailto:dpw_uftnj.com">dpw_uftnj.com</a>                                   |
|         |            |            |                         |                     |                                                                                    |
|         |            |            |                         |                     |                                                                                    |