

HANCOCK COUNTY HAZARD MITIGATION PLAN

V. MITIGATION STRATEGY

CFR §201.6(c)(3) of the Rule outlines measures that localities must take in developing their mitigation strategies. Specifically, the Local Hazard Mitigation Plan must “include a mitigation strategy that provides the jurisdiction’s blueprint for reducing the potential losses identified in the risk assessment, based on existing authorities, policies, programs and resources, and its ability to expand on and improve these existing tools.”

This entails the development of goals from which specific mitigation actions and projects will be derived. All mitigation actions must be prioritized according to a cost-benefit analysis, with a focus on how effective the actions are expected to be with respect to their cost. For multi-jurisdictional plans, each jurisdiction must show the specific actions they will undertake.

This section includes the following four subsections as follows:

Local Hazard Mitigation Goals

Identification and Analysis of Mitigation Measures

Implementation of Mitigation Measures

Multi-jurisdictional Mitigation Strategy

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LOCAL HAZARD MITIGATION GOALS

Requirement §201.6(c)(3)(i):	The hazard mitigation strategy shall include: a description of mitigation goals to reduce or avoid long-term vulnerabilities to the identified hazards.
Definitions	Goals are general guidelines that explain what you want to achieve. They are usually long-term and represent global visions, such as “eliminate flood damage.” Objectives define strategies or implementation steps to attain the identified goals. Unlike goals, objectives are specific, measurable, and have a defined completion date. Objectives are more specific, such as “adopt a zoning ordinance prohibiting new development in the floodplain.”

The Hancock County Hazard Mitigation Planning Team met to review and analyze the County's risk assessment studies. The following goals were determined to have the greatest benefit in hazard reduction in the County. The descriptions, goals and objectives for each are as follows:

SEVERE WINTER & SUMMER STORM EVENTS

In Hancock County, the most likely damages caused by a severe winter or summer storm event are the loss of electrical power, from downed power transmission lines, and the blockage of roadways, from tree debris or winter snow or ice. There has also been loss of life caused by delayed responses from emergency services, the improper use of backup heat sources, freezing conditions, debris falling on an individual, or from storm-related vehicle accidents. Other types of general damage to personal and real property may be caused by blizzard or hurricane winds. The very presence of a blizzard or hurricane will keep tourists away from the area, resulting in major losses of income for local businesses. Therefore, the goals and objectives to mitigate the damages from severe winter and summer storms are:

Goal 1: Reduce damage, injury and loss of life in Hancock County after a severe winter or summer storm event

Objective 1.1. Lessen the future loss of life and personal injuries resulting from severe storms.

Objective 1.2. Reduce real and personal property damages caused by severe storms.

Objective 1.3. Assure all emergency facilities have temporary backup power capabilities.

Objective 1.4. Timely restoration of electrical power to priority critical and emergency facilities.

Objective 1.5. Assure prompt restoration of critical transportation links.

Objective 1.6. Undertake activities to reduce the economic impact of a major storm.

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FLOODING

In Hancock County, the most likely damages caused by flooding are the destruction of roadways caused by washouts and undercutting. Though there are very few critical facilities in the 100 year flood zone, there are several facilities that are located in the Hurricane Surge Inundation Areas. Most communities are using the FIRM information to control development in flood zones, however, there has been no use of the Hurricane Inundation Surge Areas to control development. There could be loss of life caused by delayed responses from emergency services during high water (river and lake) conditions. Flood waters may also contaminate public and private water supplies and damage personal and real property. Flooding may shut down businesses, resulting in major losses of income for local businesses and residents. Therefore, the goals and objectives to mitigate the damages from flooding are:

Goal 2: Reduce damage, injury and loss of life in Hancock County caused by flooding

Objective 2.1. Lessen the future loss of life and personal injuries resulting from flooding.

Objective 2.2. Reduce real and personal property damages caused by flooding.

Objective 2.3. Assure prompt restoration of critical transportation links.

Objective 2.4. Minimize damage to public and private drinking water supplies by flooding.

Objective 2.5. Undertake activities to reduce the economic impact caused by flooding.

WILDLAND FIRES

Goal 3: Reduce damage, injury and loss of life in Hancock County caused by Wildfires

In Hancock County, the most likely damages caused by a wildland fire event are the loss of life, loss of prime timberland, and the destruction of personal and real property, especially homes. The loss of electrical power is possible, since the majority of high voltage transmission lines pass through heavily wooded areas. The very presence of a wildfire hurricane will keep tourists away from the area, resulting in major losses of income for local businesses. Therefore, the goals and objectives to mitigate the damages from wildland fires are:

Objective 3.1. Lessen the future loss of life and personal injuries resulting from wildfires.

Objective 3.2. Reduce real and personal property destruction from wildfires.

Objective 3.3. Reduce the loss of timber resources caused by forest fires.

Objective 3.4. Timely restoration of electrical power to priority critical and emergency facilities.

Objective 3.5. Undertake activities to reduce the economic impact of a major wildfire.

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TRANSPORTATION-RELATED MASS CASUALTY INCIDENT

Goal 4: Reduce damage, injury and loss of life in Hancock County from Mass Casualty Incidents

In Hancock County, the most likely result of a major transportation accidents will be a large loss of life and personal injuries. In addition damages to personal and real property may be caused by the vehicle(s) during the accident. A major worry involves the fast increasing number of cruise ships visiting Bar Harbor. The loss of a cruise ship could cause deaths equal to the destruction of the World Trade Centers. The loss of a cruise ship or passenger airliner could keep future tourists away from the area, resulting in major losses of income for local businesses. Therefore, the goals and objectives to mitigate the damages from a transportation-related mass casualty incident are:

Objective 4.1. Lessen the future loss of life and personal injuries resulting from a major transportation accident.

Objective 4.2. Undertake activities to reduce the economic impact of a major transportation accident.

HAZARDOUS MATERIALS INCIDENT

Goal 5: Reduce damage, injury and loss of life in Hancock County from a Hazardous Materials Incident

In Hancock County, the most likely result of a major hazardous materials incident will be a large loss of life and personal injuries. In addition, damages to personal and real property may be caused by the hazardous materials during the incident. Contamination of local sources of water and soil could cause severe hardships for the communities and residents. Hazmat contamination may shut down businesses, resulting in major losses of income for local businesses and residents. Therefore, the goals and objectives to mitigate the damages from a hazardous materials incident are:

Objective 5.1. Lessen the future loss of life and personal injuries and reduce real and personal property damages resulting from a major hazmat incident.

Objective 5.2. Minimize damage to public and private drinking water and food supplies caused by hazmat contamination.

Objective 5.3. Undertake activities to reduce the economic impact of a major hazmat incident.

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IDENTIFICATION AND ANALYSIS OF MITIGATION MEASURES

Requirement §201.6(c)(3) (ii):	The mitigation strategy shall include a section that identifies and analyzes a comprehensive range of specific mitigation actions and projects being considered to reduce the effects of each hazard, with particular emphasis on new and existing buildings and infrastructure.
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Hancock County has identified a number of hazard mitigation measures that would benefit the County and municipalities and will be analyzed by the Hancock County Hazard Mitigation Planning Team. These measures were identified during the Mitigation Planning Team meetings and during meetings with the public officials representing each municipality. The identified mitigation measures are broken out by the Goals and Objectives for each hazard and analyzed using a decision matrix that follows this list.

Goal 1: Reduce damage, injury and loss of life in Hancock County after a severe winter and summer storm event

Objective 1.1. Lessen the future loss of life and personal injuries resulting from severe storms.

Measure 1.1.1. Educate the public on dangers of severe seasonal storms.

Measure 1.1.2. Assessing community emergency shelter programs.

Measure 1.1.3. Encourage home owners the keep primary & secondary egress routes cleared.

Measure 1.1.4. Deice slippery roads and clear debris during or soon after storm events.

Measure 1.1.5. Inventory and record high risk special need populations in community.

Objective 1.2. Reduce real and personal property damages caused by severe storms.

Measure 1.2.1. Educate home owners about severe seasonal storm preparations.

Measure 1.2.2. Encourage home owners to purchase insurance for severe storm damages.

Measure 1.2.3. Develop Harbormaster plans to handle surges in boat mooring requirements.

Measure 1.2.4. Develop or update Harbor Ordinances to require mooring inspections.

Objective 1.3. Assure all emergency facilities have temporary backup power capabilities.

Measure 1.3.1. Provide generators at all critical facilities and utilities such as Fire/Police Stations, EMS garages, public works, Water & Sewer treatment plants, schools, and shelters.

Measure 1.3.2. Encourage homeowners to have generators, non-electrical heating, or alternate energy sources, such as solar, wind or hydro power.

Measure 1.3.3. Update existing ordinances to require new public facilities to have a generator.

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Objective 1.4. Timely restoration of electrical power to priority critical and emergency facilities.

Measure 1.4.1. Develop a communication process between communities and utilities.

Measure 1.4.2. Identify and verify critical and emergency facilities in community.

Objective 1.5. Assure prompt restoration of critical transportation links.

Measure 1.5.1. Develop a written municipal road snow and ice removal operations plan that includes a prioritization of roads to be cleared.

Measure 1.5.2. Train and equip a quick-response Road Debris Clearance Team from public works, fire department and/or volunteers.

Measure 1.5.3. Develop a database/resource list of private owners with boats and trailers.

Measure 1.5.4. Develop mutual aid agreements with local ATV and snowmobile organizations.

Measure 1.5.5. Update or develop the resources section in the municipal Emergency Operations Plan with heavy equipment that could be used for snow and debris removal.

Objective 1.6. Undertake activities to reduce the economic impact of a major storm.

Measure 1.6.1. Inspect and upgrade piers, wharves, and bridges.

Measure 1.6.2. Suggest that businesses have Continuity of Business Plans.

Measure 1.6.3. Complete Municipal Continuity of Operations Plans.

Goal 2: Reduce damage, injury and loss of life in Hancock County caused by flooding

Objective 2.1. Lessen the future loss of life and personal injuries resulting from flooding.

Measure 2.1.1. Educate drivers on risks of crossing flooded roadways.

Measure 2.1.2. Develop a "Barricade Plan" to block flooded roads in order to prevent crossing by vehicle operators. Evaluate locations. Acquire necessary barricade equipment and supplies.

Measure 2.1.3. Educate the public on staying away from flooded river banks.

Measure 2.1.4. Develop a database/resource list of private owners with boats and trailers.

Objective 2.2. Reduce real and personal property damages caused by flooding.

Measure 2.2.1. Encourage home owners to relocate, elevate or retrofit homes in flood zones.

Measure 2.2.2. Relocate, elevate or retrofit public facilities in flood zones.

Measure 2.2.3. Educate business owners to relocate, elevate or retrofit business structures.

Measure 2.2.4. Implement municipal floodplain ordinances.

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Measure 2.2.5. Implement municipal hurricane surge inundation ordinances.

Measure 2.2.6. Review and update Coastal Zone or Shoreland Setback ordinances.

Objective 2.3. Assure prompt restoration of critical transportation links.

Measure 2.3.1. Perform and develop a Stormwater Analysis and Management Plan.

Measure 2.3.2. Upgrade ditches, culverts and roadway drainage systems.

Measure 2.3.3. Construct erosion control measures to prevent destruction of coastal roadways.

Measure 2.3.4. Elevate or relocate road surfaces.

Objective 2.4. Undertake activities to reduce the economic impact caused by flooding.

Measure 2.4.1. Educate business owners to relocate, elevate or retrofit business structures.

Measure 2.4.2. Community review of flood-prone business.

Goal 3: Reduce damage, injury and loss of life in Hancock County caused by Wildfires

Objective 3.1. Lessen the future loss of life and personal injuries resulting from wildfires.

Measure 3.1.1. Develop notification, warning and evacuation plans and systems for forest fires.

Measure 3.1.2. Train all firefighters in Wildland Fire Fighting Safety and ICS.

Measure 3.1.3. Equip all fire departments with sufficient wildfire personal protection equipment.

Measure 3.1.4. Educate the public of dangers of forest fires.

Measure 3.1.5. Hold Mutual Aid Wildfire Pre-Planning meetings during high risk timeframes.

Measure 3.1.6. Develop municipal ordinances that strengthen the Fire Warden responsibilities.

Objective 3.2. Reduce real and personal property destruction from wildfires.

Measure 3.2.1. Introduce building codes requiring fire-retardant roofing and siding materials.

Measure 3.2.2. Introduce building codes requiring setback distances around structures.

Measure 3.2.3. Educate home owners on tactics to protect their homes from wildfires, to include, performing landscaping and lawn cutting around homes.

Measure 3.2.4. Provide better training to municipal Fire Wardens.

Measure 3.2.5. Complete a detailed GIS study of fuel models, topography, and fire weather.

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Objective 3.3. Reduce the loss of timber resources caused by forest fires.

Measure 3.3.1. Encourage bulk slash reduction through good Forestry BMPs.

Measure 3.3.2. Maintain woods and logging roads for firefighting access.

Objective 3.4. Timely restoration of electrical power to priority critical and emergency facilities.

Measure 3.4.1. Develop a process to initiate early detection and notification from local communities to utilities of wildfires near utility lines.

Objective 3.5. Undertake activities to reduce the economic impact of a major wildfire.

Measure 3.5.1. Provide generators at all critical facilities and utilities such as Fire/Police Stations, EMS garages, public works fuelling points, Water & Sewer treatment plants, schools, and shelters.

Measure 3.5.2. Setup and fund municipal "Self-Insurance" programs for wildland fires.

Goal 4: Reduce damage, injury and loss of life in Hancock County from Transportation Related Mass Casualty Incidents

Objective 4.1. Lessen the future loss of life and personal injuries resulting from a major transportation accident.

Measure 4.1.1. Complete tabletop and functional transportation MCI exercises.

Measure 4.1.2. Develop resource lists for transportation mass casualty incidents.

Measure 4.1.3. Invest in Fire Department's ability to respond to all hazards.

Objective 4.2. Undertake activities to reduce the economic impact of a major transportation accident.

Measure 4.2.1. Develop pre-plans for alternate routes around high accident locations.

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Goal 5: Reduce damage, injury and loss of life in Hancock County from a Hazardous Materials Incident

Objective 5.1. Lessen the future loss of life and personal injuries and reduce real and personal property damages resulting from a major hazmat incident.

Measure 5.1.1. Train all firefighters in HazMat: First Responder – Operations Level

Measure 5.1.2. Complete a municipal HazMat Risk & Vulnerability Assessment

Measure 5.1.3. Develop and practice School Shelter-in-place plans.

Measure 5.1.4. Encourage businesses and utilities to use less hazardous materials in their processes.

Measure 5.1.5. Train public policy makers in HazMat: First Responder – Awareness Level.

Measure 5.1.6. Certify first responders in chemicals most likely in that community.

Objective 5.2. Minimize damage to public and private drinking water and food supplies caused by hazmat contamination.

Measure 5.2.1. Train utility personnel in how to contain, control, and confine spills at their facilities.

Objective 5.3. Undertake activities to reduce the economic impact of a major hazmat incident.

Measure 5.3.1. Assist water districts to find funding for implementing a change to less hazardous chemicals used in their process.

Requirement: §201.6(c)(3) (iii):	The mitigation strategy section shall include an action plan describing how the actions identified in section (c)(3)(ii) will be prioritized by the local jurisdiction. Prioritization shall include a special emphasis on the extent to which benefits are maximized according to a cost benefit review of the proposed projects and their associated costs.
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(Note: Implementation and administration will be dealt with in the next section.)

The decision matrix format located on the next page was used by the Hancock County Hazard Mitigation Planning Team as a quantified approach using pre-selected criteria. The population numbers, dollar values, and other quantified factors under each rank value were selected to be appropriate to the size of Hancock County, the number of jurisdictions, and the policies of the Planning Team. This matrix was used by comparing the proposed mitigation measure with each of the descriptions for each criteria category, and the "best fit" selected. Then, the sum of the numbers selected under each criterion is totaled to derive the priority rank for the initiative. The higher the resulting number, the higher the priority of the initiative. This matrix was adapted from the Florida Department of Community Affairs' Local Mitigation Strategy Guidebook.

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Description of the priority rank value

Criteria Category	4	3	2	1	0
Population Benefited	Over 10,000	2,500 to 10,000	1,000 to 2,500	500 to 1,000	Under 500
Percentage of Jurisdiction Benefited	76 to 100%	51 to 75%	26 to 50%	6 to 25%	Less than 5%
Health and Safety Considerations	Benefit several jurisdictions (over 10,000 people) and/or major portions of County population	Benefit between 2,500 and 10,000 people	Benefit between 1,000 and 2,500 people	Benefit less than 1,000 people	No anticipated benefit
Cost Impact of the Initiative (B)	Over \$1,000,000	\$100,000 to \$1,000,000	\$50,000 to \$100,000	Less than \$50,000	No quantifiable cost impact
Estimated Cost of Implementing the Initiative (C)	No quantifiable cost	Less than \$50,000	Between \$50,000 and \$100,000	Between \$100,000 and \$1,000,000	Over \$1,000,000
Benefit to Cost Ratio	More than +5.0	+4.0 to +4.9	+3.0 to +3.9	+2.0 to +2.9	+1.0 to +1.9
Probability of Community Acceptance	Likely to be endorsed by the entire community	Benefits only those directly affected and not adversely affecting others	Somewhat controversial with special interest groups or small % of community	Strongly opposed by special interest groups or significant % of community	Strongly opposed by most of general population
Funding	Funding sources not needed	Funding source provided by pre- or post-mitigation funds	Funding could be through matching local funds with other programs	Funding can probably be obtained through local short term budgeting	Funding can probably be obtained through local long term budgeting
Feasibility of Implementation	Relatively easy to put in place within a year	Not anticipated to be difficult	Somewhat difficult due to complex requirements	Difficult due to significantly complex requirements	Very difficult due to extremely difficult requirements
Consistency with other Plans and Programs	Initiative included in several other plans and programs	Initiative included in two other plans and programs	Initiative included in one other plan or program	Initiative not included in other plan or program	Initiative not consistent with other plans or programs

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Table of Mitigation Measure Priorities

WINTER & SUMMER STORMS

Measure	1	2	3	4	5	6	7	8	9	10	Total Pts	Priority
1.1.1.	4	4	4	3	4	4	4	4	4	4	39	1
1.1.2.	3	1	2	3	3	0	4	4	4	4	28	9
1.1.3.	3	1	2	3	3	4	4	4	4	2	30	8
1.1.4.	4	4	4	1	4	4	4	3	4	3	35	4
1.1.5.	3	1	3	3	4	4	4	4	3	3	32	6
1.2.1.	4	4	4	3	4	4	4	4	4	3	38	2
1.2.2.	4	4	2	3	4	4	4	4	4	1	34	5
1.2.3.	3	2	1	3	4	4	3	4	4	2	30	8
1.2.4.	2	1	1	3	4	4	2	1	2	2	22	11
1.3.1.	4	4	4	1	4	3	4	3	2	3	32	6
1.3.2.	4	4	3	3	3	4	4	4	4	2	35	4
1.3.3.	3	3	2	3	3	4	3	4	3	3	31	7
1.4.1.	4	4	4	4	3	4	4	4	4	3	38	2
1.4.2.	4	3	3	4	3	4	4	3	3	4	35	4
1.5.1	4	4	4	4	3	4	4	4	3	2	36	3
1.5.2	4	4	4	3	3	4	4	3	2	3	34	5
1.5.3	3	1	3	4	4	4	4	4	4	3	34	5
1.5.4	3	1	3	4	4	4	4	4	4	3	34	5
1.5.5	3	1	3	4	3	4	4	4	3	3	32	6
1.6.1.	4	2	3	4	1	4	3	2	2	2	27	10
1.6.2.	4	2	2	4	3	4	4	4	4	3	34	5
1.6.3.	4	4	1	2	3	1	4	1	3	4	27	10

- 1. Population Benefited
- 4. Cost Impact of the Initiative
- 7. Probability of Acceptance
- 10. Consistency with other Plans

- 2. Percentage of Jurisdiction Benefited
- 5. Implementation Costs
- 8. Probability of Funding

- 3. Health and Safety Considerations
- 6. Benefit to Cost Ratio
- 9. Feasibility of Implementing

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FLOODING

Measure	1	2	3	4	5	6	7	8	9	10	Total Pts	Priority
2.1.1.	0	0	1	4	4	4	4	4	4	2	27	2
2.1.2.	2	0	1	3	3	0	4	1	4	2	19	9
2.1.3.	0	0	1	1	3	0	3	4	4	2	16	11
2.1.4.	1	0	1	2	4	4	3	4	3	1	23	6
2.2.1.	0	0	0	3	3	4	3	4	4	2	24	5
2.2.2.	3	1	2	3	3	0	2	0	1	2	17	10
2.2.3.	3	1	1	4	4	4	3	4	4	2	30	1
2.2.4.	0	0	0	2	3	4	1	3	0	3	16	11
2.2.5.	4	2	2	4	3	4	2	1	1	2	25	4
2.2.6.	2	0	0	4	3	4	2	1	2	2	20	8
2.3.1.	2	1	2	4	2	4	3	1	2	3	26	3
2.3.2.	4	1	1	3	1	0	3	3	2	2	20	8
2.3.3.	3	1	1	3	1	1	3	3	2	3	21	7
2.3.4.	3	1	1	3	0	0	3	3	2	3	20	8
2.4.1.	3	1	1	4	4	4	3	4	4	2	30	1
2.4.2.	1	0	1	3	4	4	3	4	3	3	26	3

TRANSPORTATION RELATED MASS CASUALTY INCIDENTS

Measure	1	2	3	4	5	6	7	8	9	10	Total Pts	Priority
4.1.1.	0	0	1	4	3	4	4	3	2	3	24	1
4.1.2.	0	0	1	0	3	0	4	4	4	3	19	3
4.1.3.	2	0	2	4	3	2	4	0	2	3	22	2
4.2.1.	4	1	0	1	3	0	3	1	3	2	18	4

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WILDFIRES

Measure	1	2	3	4	5	6	7	8	9	10	Total Pts	Priority
3.1.1.	3	2	3	4	3	4	4	2	3	3	31	2
3.1.2.	1	0	1	4	3	4	4	1	3	3	24	7
3.1.3.	1	0	1	4	1	4	4	3	3	3	24	7
3.1.4.	4	2	2	4	4	4	4	4	4	2	34	1
3.1.5.	4	2	3	4	4	4	4	4	4	1	34	1
3.1.6.	3	1	3	4	3	4	3	4	3	2	30	3
3.2.1.	3	1	1	4	3	4	1	1	1	2	19	10
3.2.2.	3	1	1	4	3	4	1	1	1	2	19	10
3.2.3.	3	1	1	4	4	4	4	4	4	3	28	4
3.2.4.	3	1	3	4	3	4	3	1	3	3	28	4
3.2.5.	4	3	1	4	2	4	2	3	1	2	26	5
3.3.1.	1	0	0	4	3	4	3	1	3	3	22	9
3.3.2.	2	1	1	4	2	4	3	1	3	2	23	8
3.4.1.	3	1	1	2	3	4	4	1	3	2	25	6
3.5.1.	3	1	3	2	2	0	3	0	1	2	17	11
3.5.2.	2	0	0	1	3	2	3	0	3	1	15	12

HAZARDOUS MATERIALS INCIDENT

Measure	1	2	3	4	5	6	7	8	9	10	Total Pts	Priority
5.1.1.	3	0	3	4	3	4	4	3	2	3	29	3
5.1.2.	4	2	3	4	3	4	4	3	2	3	32	1
5.1.3.	4	1	4	4	3	4	2	1	2	3	28	4
5.1.4.	3	1	3	4	3	4	4	1	2	3	28	4
5.1.5.	2	0	2	1	3	0	3	4	1	2	18	5
5.1.6.	1	0	1	4	4	4	4	4	3	3	28	4
5.2.1.	4	2	4	3	3	3	4	1	3	3	30	2
5.3.1.	0	0	0	0	3	0	3	1	3	2	12	6

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The Hancock County Hazard Mitigation Planning Team rated the following mitigation measure projects (in priority order) as the top priorities for the following hazards:

SEVERE WINTER & SUMMER STORMS MITIGATION MEASURE PROJECTS

1. Educate the public on dangers of severe seasonal storms.
2. Educate home owners about severe seasonal storm preparations.
3. Develop a communication process between communities and utilities.
4. Develop a written municipal road snow and ice removal operations plan that prioritizes roads.
5. Deice slippery roads and clear debris during or soon after storm events.
6. Encourage homeowners to have back up power source and/or non-electrical heating.
7. Identify and verify critical and emergency facilities in community.
8. Encourage home owners to purchase insurance for severe storm damages.
9. Develop a database/resource list of private owners with boats and trailers.
10. Train and equip a quick-response Road Debris Clearance Team.
11. Develop mutual aid agreements with local ATV and snowmobile organizations.
12. Suggest that businesses have Continuity of Business Plans.
13. Inventory and record high risk special need populations in community.
14. Provide generators at all critical public facilities and utilities.
15. Update or develop the resources section in the municipal Emergency Operations Plan with heavy equipment that could be used for snow and debris removal.
16. Update existing ordinances to require new public facilities to have a generator.
17. Encourage home owners the keep primary & secondary egress routes cleared.
18. Develop Harbormaster plans to handle surges in boat mooring requirements.
19. Assessing community emergency shelter programs.
20. Inspect and upgrade piers, wharves, and bridges.
21. Complete Municipal Continuity of Operations Plans.
22. Develop or update Harbor Ordinances to require mooring inspections.

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FLOODING MITIGATION MEASURE PROJECTS

1. Educate business owners to relocate, elevate or retrofit business structures.
2. Educate drivers on risks of crossing flooded roadways.
3. Perform and develop a Stormwater Analysis and Management Plan.
4. Community review of flood-prone business.
5. Implement municipal hurricane surge inundation ordinances.
6. Encourage home owners to relocate, elevate or retrofit homes in flood zones.
7. Develop a database/resource list of private owners with boats and trailers.
8. Construct erosion control measures to prevent destruction of coastal roadways.
9. Upgrade ditches, culverts and roadway drainage systems.
10. Elevate or relocate road surfaces.
11. Review and update Coastal Zone or Shoreland Setback ordinances.
12. Develop a "Barricade Plan" to block flooded roads in order to prevent crossing by vehicle operators. Evaluate locations. Acquire necessary barricade equipment and supplies.
13. Relocate, elevate or retrofit public facilities in flood zones.
14. Educate the public on staying away from flooded river banks.
15. Implement municipal floodplain ordinances.

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WILDFIRE MITIGATION MEASURE PROJECTS

1. Educate the public of dangers of forest fires.
2. Hold Mutual Aid Wildfire Pre-Planning meetings during high risk timeframes.
3. Develop notification, warning and evacuation plans and systems for forest fires.
4. Develop municipal ordinances that strengthen the Fire Warden responsibilities and provide better training to municipal Fire Wardens.
5. Educate home owners on tactics to protect their homes from wildfires, to include, performing landscaping and lawn cutting around homes.
6. Complete a detailed GIS study of fuel models, topography, and fire weather.
7. Develop a process to initiate early detection and notification from local communities to utilities of wildfires near utility lines.
8. Train all firefighters in Wildland Fire Fighting Safety and ICS.
9. Equip all fire departments with sufficient wildfire personal protection equipment.
10. Maintain woods and logging roads for firefighting access.
11. Encourage bulk slash reduction through good Forestry BMPs.
12. Introduce building codes requiring fire-retardant roofing and siding materials.
13. Introduce building codes requiring setback distances around structures.
14. Provide generators at all critical facilities and utilities such as Fire/Police Stations, EMS garages, public works fuelling points, Water & Sewer treatment plants, schools, and shelters.
15. Set up and fund municipal "Self-Insurance" programs for wildland fires.

HANCOCK COUNTY HAZARD MITIGATION PLAN

HAZARDOUS MATERIALS INCIDENT MITIGATION MEASURE PROJECTS

1. Complete a municipal HazMat Risk & Vulnerability Assessment
2. Train utility personnel in how to contain, control, and confine spills at their facilities.
3. Train all firefighters in HazMat: First Responder – Operations Level
4. Develop and practice School Shelter-in-place plans.
5. Encourage businesses and utilities to use less hazardous materials in their processes.
6. Certify first responders in chemicals most likely in that community.
7. Train public policy makers in HazMat: First Responder – Awareness Level.
8. Assist water districts to find funding for implementing a change to less hazardous chemicals used in their process.

TRANSPORTATION RELATED MASS CASUALTY MITIGATION MEASURE PROJECTS

1. Complete tabletop and functional transportation MCI exercises.
2. Invest in Fire Department's ability to respond to all hazards.
3. Develop resource lists for transportation mass casualty incidents.
4. Develop pre-plans for alternate routes around high accident locations.

HANCOCK COUNTY HAZARD MITIGATION PLAN

MULTI-JURISTIDICATIONAL MITIGATION STRATEGY IMPLEMENTATION AND ADMINISTRATION OF MITIGATION MEASURES

Requirement §201.6(c)(3) (iv): For multi-jurisdictional plans, there must be identifiable action items specific to the jurisdiction requesting FEMA approval or credit of the plan.

Hancock County's Hazard Mitigation Plan encompasses 37 municipalities and 15 unorganized townships. Strategies for hazard mitigation within the County were identified to reduce overall damage in the County. Although these strategies are aimed at reducing overall damage in the County, each municipality will be responsible for pursuing the actions that are relevant to that municipality. The municipalities, along with the specific actions they will pursue, are listed below:

Jurisdiction	Responsible Agency	Funds	Time Frame	Action (In priority order)
Amherst	Selectmen	\$0	Jun 05	1. Educate homeowners on wildfire protection
Identified 2006-07	Road Commissioner	\$123,000	8 weeks	1) Tanner Loop Rd: ditch 2,500'; upsize with (5) 18" x 30' HDPE & (5) 18" x 40' HDPE culverts and add 8" x 2,500' x 18' base gravel.
"	Board of Selectmen	\$27,500	4 weeks	2) Smith Rd: ditch 1,200' and add 8" x 1,200' x 18' base gravel.
"	Board of Selectmen	\$1,500	1 week	3) Jordan Farm Pond: install dry hydrant.
"	Board of Selectmen	\$4,500	2 weeks	4) Henderson Subdivision: dig fire pond and install dry hydrant.
"	Board of Selectmen	\$1,500	1 week	5) Harrys Brook on Smith Rd: install dry hydrant.
Aurora	FD Selectmen	\$0	Sept 05	1. Educate public on wildfire dangers
Identified 2006-07	Road Commissioner	\$1,000	Sept 05	2. Insure town against wildfires.
		\$22,000	4 weeks	1) Great Pond Rd: ditch 5,000'; upsize (3) 15" x 40' culverts.
Bar Harbor	FD	\$0	Jun 06	1. Train all firefighters in wildfire safety & ICS
Identified 2006-07	Pubic Works.	\$165,000	4 weeks	2. Train all 1 st responders in localized hazmat
"	Pubic Works.	\$165,000	4 weeks	1) Harden Farm Rd: upsize bridge to 24' x 16' box culvert & repave.
"	Pubic Works.	\$83,000	4 weeks	2) Cromwell Harbor Rd: upsize bridge to 22' x 18' box culvert & repave.
				3) Crooked Rd @ Norway Drive: upsize 4' arch with 5' arch or per H&H study; elevate intersection 2' x 170' x 24' and repave.
Blue Hill	Road Comm	\$100,000	Dec 08	1. Upgrade ditches, culverts & roadways
Identified 2006-07	Road Commissioner	\$100,000	Dec 08	2. Elevate or relocate road surfaces
		\$179,000	6 weeks	1) Stover Rd: ditch 5,000'; riprap 600' x 3'; install 600' x 20' geo-textile; add 8" x 2,000' x 20' base grave; add (2) 15" x 40' culverts and (1) 24" x 40' culvert.
"	Road Commissioner	\$105,000	6 weeks	2) Kingdom Rd. @ Woods Hill: remove ledge as needed; ditch 2,400'; riprap 800' x 3'; install 300' x 20' geotextile; install 200' x 4" under drains; add (4) 15" x 30' culverts and (1) 24" x 30' culvert; add base and surface gravel.

HANCOCK COUNTY HAZARD MITIGATION PLAN

Jurisdiction	Responsible Agency	Funds	Time Frame	Action (In priority order)
Blue Hill - Identified 2006-07	Road Commissioner	\$26,000	4 weeks	3) Kingdom Rd @ Fourth Pond: elevate 600' x 20' x 1'; install 600' x 20' geotextile and ditch 1,800'.
	Road Commissioner	\$25,000	3 weeks	4) Kingdom Rd @ Cookmans Hill: ditch 2,000'; riprap 500' x 3'; add (2) 15" x 30' culverts; add base and surface gravel.
"	Road Commissioner	\$55,000	5 weeks	5) Gridleville Rd lower end: remove ledge as needed; ditch 2,000'; install 1000' x 20' geotextile fabric; add 1,000' x 20' x 1' gravel.
Brooklin	FD/EMA	\$0	Oct 04	1. Educate homeowners on storm preparations
	FD/EMA	\$0	Oct 04	2. Endorse homeowners to have backup power
Identified 2006-07	Road Commissioner	\$18,000	5 weeks	1) Halls Hill Rd: blast ditch line & armor 1,500'.
"	Road Commissioner	\$2,500	2 weeks	2) Cemetary Rd: replace existing culvert with longer culvert 15" x 40' HDPE.
"	Road Commissioner	\$2,500	2 weeks	3) River Rd: upsize existing culvert with 15" x 40' HDPE.
Brooksville	EMA/FD	\$200	Dec 05	1. Educate the public on dangers of storms
	EMA/FD	\$200	Dec 05	2. Educate homeowners on storm preparations
	Road Comm	\$0	Dec 04	3. Develop a written snow/ice removal plan
	Road Comm	\$4,000	Dec 04	4. Deice roads & clear debris soon after storm
Identified 2006-07	Road Commissioner	\$22,000	4 weeks	1) Henrick Rd: blast Ditch line 1,000'.
"	Road Commissioner	\$40,000	4 weeks	2) Varnumville Rd: elevate 400' x 20' x 2'; rip rap slope & add (3) 48" x 40' culverts.
"	Road Commissioner	\$60,000	4 weeks	3) Back Rd / Indian Bar Rd: ditch and line 5,000'; upsize (5) 18" x 30' & (5) 18" x 40' culverts.
"	Road Commissioner	\$20,000	2 weeks	4) Norumbaga Rd: ditch and line 5,000' & add (2) 18" x 40' culverts.
Bucksport	FD	\$0	Dec 04	1. Train all firefighters in wildfire safety & ICS
	FD	\$4,000	Dec 05	2. Equip all firefighters w/sufficient wildfire PPE
	EMA	\$0	Dec 05	3. Update the resource listing in the EOP
Identified 2006-07	Pubic Works.	\$45,000	3 weeks	1) Silverlake Site 1: upsize twin 36" x 40' CMPs with 4' x 6' x 40' box culvert.
"	Pubic Works.	\$10,000	2 weeks	2) Silver Lake Rd Site 2: add 36" x 60 culvert.
Castine	Water Dept	\$15,000	Jun 05	1. Install stand-by generator at municipal well to insure required reservoir level
Identified 2006-07	Road Commissioner	\$50,000	3 weeks	1) Water St: stabilize bank, 100' x 12' x 3'.
"	Town Manager	\$100,000	2 weeks	2) Install emergency back up generator for water supply, 30kw 3 phase with wiring.
Cranberry Isle	Selectmen	\$0	Sep 06	1. Assessing community shelter programs.
Identified 2006-07	Road Commissioner	\$55,000	4 weeks	1) Northwood Rd: ditch 20,000' & upsize to (3) 18" x 40' culverts.
"	Road Commissioner	\$700	1 week	2) Jimmy's Point Rd: ditch 100'.

HANCOCK COUNTY HAZARD MITIGATION PLAN

Jurisdiction	Responsible Agency	Funds	Time Frame	Action (In priority order)
"	Road Commissioner	\$2,300	1 week	3) Heilker Rd: ditch 750'.
Dedham	EMA	\$100	Dec 05	1. Endorse homeowners to have backup power 2. Identify & verify critical/emergency facilities 3. Inspect all culverts and drainage systems 4. Educate homeowners on wildfire protection 5. Strengthen Fire Warden program 6. Train all firefighters in wildfire safety & ICS
	EMA	\$0	Dec 05	
	Road Comm	\$1,000	Dec 05	
	EMA	\$100	Jun 05	
	Selectmen	\$0	Dec 05	
	FD	\$0	Jun 05	
Dedham - Identified 2006-07	Road Commissioner	\$38,000	3 weeks	1) Green Lake Rd: ditch 15,000'; upsize 15" to 18" x 30' HDPE culvert & repave.
"	Road Commissioner	\$6,500	1 week	2) Beach Hill Pond Rd: ditch 2,500'.
Deer Isle	EMA	\$0	Jun 06	1. Assessing local emergency shelter program 2. Complete Municipal Continuity of Ops Plan
	Selectmen	\$0	Jun 06	
Identified 2006-07	Road Commissioner	\$20,000	2 weeks	1) Lowes Rd: ditch 5,000 & upsize (4) culverts to (4) 15" x 40' culverts
"	Road Commissioner	\$10,000	1 week	2) Dunham Point Rd: install 36" x 40' culvert, riprap and repave.
"	Road Commissioner	\$10,500	2 weeks	3) Reach Rd: upsize to 36" x 40' culvert, riprap and repave.
"	Road Commissioner	\$5,000	1 week	4) King Beach Hill Rd: install 24" x 30' culvert and riprap.
Eastbrook	FD	\$0	Apr 06	1. Attending Mutual Aid wildfire pre-plan meetings during high risk timeframes
Identified 2006-07	Fire Chief	\$28,000	4 weeks	Move Emergency shelter to Cave Hill School. Build 8' x 10' building for emergency generator and hard wire.
Ellsworth	EMA	\$0	Jun 05	1. Develop a comm process with utilities 2. Hold mutual aid wildfire pre-plan meetings 3. Educate homeowners on wildfire protection 4. Train all firefighters to HazMat Operations
	FD	\$0	Jun 05	
	FD	\$0	Jun 05	
	FD	\$0	Jun 06	
Identified 2006-07	Public Works	\$65,000	4 weeks	1) Beachland Rd: upsize 4' elliptical pipe to 3' x 10' x 60' box & repave.
"	Public Works	\$22,000	2 weeks	2) Shore Rd: elevate 300' x 24' x 2' & repave.
"	Public Works	\$48,000	4 weeks	3) Hansons Landing: upsize existing 36" x 40' CMP to 48" x 60" x 40' box culvert.
"	Public Works	\$12,000	4 weeks	4) Spindle Rd: upsize existing twin culverts to single 36" x 50' HDPE culvert.
"	Public Works	\$5,000	2 weeks	Nicolin Rd aka Green Lake Rd: ditch and line 300' and add 24" x 40' HDPE culvert.

HANCOCK COUNTY HAZARD MITIGATION PLAN

Jurisdiction	Responsible Agency	Funds	Time Frame	Action (In priority order)
Franklin	EMA	\$0	Jun 05	<ol style="list-style-type: none"> 1. Identify & verify critical/emergency facilities 2. Provide generators for emergency facilities 3. Upgrade ditches, culverts & roadways 4. Develop a barricade plan to block roads 5. Train all firefighters in wildfire safety & ICS 6. Train all firefighters to HazMat Operations 7. Preplan alternate routes around accidents
	Selectmen	\$6,000	Jun 08	
	Road Comm	\$100,000	Jun 09	
	Road Comm	\$0	Jun 06	
	FD	\$0	Dec 05	
	FD	\$0	Dec 05	
	EMA	\$0	Dec 05	
Identified 2006-07	Road Commissioner	\$235,000	8 weeks	1) South Bay Rd: elevate 12,000' x 24' x 2'; add (10) 24" x 40' culverts.
"	Road Commissioner	\$215,000	8 weeks	2) Macomber Rd: elevate 10,000' x 20' x 2'; add (15) 24" x 40' culverts.
Frenchboro	EMA	\$0	Mar 05	1. Develop a resource list of owners of boats.
Identified 2006-07	Harbor Master	\$18,000	4 weeks	Place concrete slabs 20' x 12' x 12" on town boat ramp to stabilize driving surface at town landing.
Gouldsboro	EMA	\$0	Nov 05	<ol style="list-style-type: none"> 1. Identify emergency shelters 2. Provide generators for municipal facilities
	EMA	\$15,000	Nov 05	
Identified 2006--07	Town Manager	\$32,000	5 weeks	1) Guzzel Rd: rebuild bridge abutments.
"	Town Manager	\$47,000	4 weeks	2) Paul Bunion Rd: elevate Road 2,600 x 22' x 1' and add 24" x 40' culvert.
Great Pond	Selectmen	\$20,000	Dec 08	<ol style="list-style-type: none"> 1. Deice roads & clear debris soon after storm 2. Create Warning & Evac Plans for forest fires
	Selectmen	\$0	Dec 05	
Hancock	Admin Asst.	\$0	Dec 04	<ol style="list-style-type: none"> 1. Educate the public on severe storm dangers 2. Educate home owners on storm preparation 3. Invest in FD's ability to respond to all hazards
	Admin Asst.	\$0	Dec 04	
	FD	\$30,000	May 05	
Identified 2006--07	Road Commissioner	\$8,000	2 weeks	1) Point Rd: add 36" x 50' culvert, riprap and repave.
"	Road Commissioner	\$45,000	4 weeks	2) West Shore Rd: elevate 1,200' x 12' x 18" and add (4) 18" x 30' culverts & riprap.
"	Road Commissioner	\$135,000	5 weeks	3) Carter Beach Rd: stabilize bank 1,200' x 18' x 3' and add (3) 15" x 40' culverts.
Lamoine	Road Comm	\$500	Dec 08	<ol style="list-style-type: none"> 1. Train & equip a road debris clearance team 2. Identify & verify critical/emergency facilities
	EMA	\$0	Jun 06	
Identified 2006--07	Road Commissioner	\$10,000	2 weeks	1) Asa's Rd: ditch 3,000' and add (1) 32" x 40' culvert.
"	Road Commissioner	\$16,000	3 weeks	2) Marboro Rd: ditch 5,000 and add (2) 32" x 40' culverts.
Mariaville	Road Comm	\$21,000	Dec 08	<ol style="list-style-type: none"> 1. Upgrade ditches, culverts & roadways 2. Provide generator at school/shelter
	Selectmen	\$2,000	Dec 08	
	Road Commissioner	\$230,000	8 weeks	
	Road Commissioner	\$125,000	4 weeks	
	Road Commissioner	\$4,500	1 week	3) Morrison Farm Rd: ditch 1,500'.

HANCOCK COUNTY HAZARD MITIGATION PLAN

Jurisdiction	Responsible Agency	Funds	Time Frame	Action (In priority order)	
Mount Desert	Public Works Selectmen	\$12,000 \$30,000	Apr 05 Dec 05	1. Deice roads & clear debris soon after storm 2. Provide generators at critical facilities	
Orland	Selectmen	\$0	Mar 05	1. Educate drivers on risks of crossing flooded roadways	
Identified 2006--07	Public Works.	\$65,000	6 weeks	1) Granite Hill Rd: elevate 4,000' x 20' x 18"; add (2) 15" x 40' culverts & riprap.	
"	Public Works.	\$87,000	8 weeks	2) Bald Mountain Rd: elevate 1,200' x 20' x 24"; add (2) 24" x 40' culverts; riprap & repave.	
Osborn	FD	\$0	Jun 05	1. Develop transportation MCI resource list	
Identified 2006--07	Board of Selectmen	\$500	ongoing	Develop wildfire safety plan.	
Otis	EMA Selectmen	\$0 \$10,000	May 05 May 05	1. Develop a communications link with utilities 2. Deice roads & clear debris soon after storm	
	EMA Selectmen	\$0 \$4,000	May 05 May 05	3. Identify critical and emergency facilities 4. Inspect and upgrade piers and wharves.	
	EMA	\$0	May 05	5. Create Warning & Evac Plans for forest fires	
	FD	\$0	May 05	6. Train all firefighters in wildfire safety & ICS	
	FD	\$5,000	May 05	7. Invest in FD's ability to respond to all hazards	
	EMA	\$0	May 05	8. Develop MAAs with local ATV/snowmobilers	
	Selectmen	\$15,000	May 05	9. Provide generators at all critical facilities	
	EMA	\$0	May 05	10. Update the resource listing in the EOP	
	Penobscot	FD	\$0	Dec 05	1. Educate home owners on wildfire protection
	Identified 2006--07	Road Commissioner	\$28,000	3 weeks	Dogtown Rd: install underdrains and geotextile fabric 500' x 24"; add 12" base gravel and repave.
Sedgwick	Selectmen	\$0	April 05	1. Educate drivers on risks of crossing flooded roadways	
Identified 2006--07	Road Commissioner	\$10,000	2 weeks	Old County Rd: add (2) 32" x 40' culverts, riprap and repave.	
Sorrento	Town Clerk	\$0	Dec 04	1. Educate the public on severe storm dangers	
Identified 2006--07	Road Commissioner	\$12,000	2 week	1) Fuller Rd: ditch & line 1,000'.	
"	Road Commissioner	\$11,000	2 week	2) Nautilus Rd: ditch & line 600'; add (3) 18" x 40' culverts; riprap intake and outlet.	
"	Road Commissioner	\$19,500	4 week	3) Ocean Ave: bank stabilization, riprap 1,500' x 8' x 3'.	
"	Road Commissioner	\$13,500	2 week	4) Treasure Island Rd: ditch & line 1,000'; add (1) 15" x 40' culvert; riprap intake and outlet.	
Southwest Harbor	Road Comm	\$0	Sep 04	1. Develop a snow & ice removal plan.	
Identified 2006--07	Road Commissioner	\$89,000	6 week	1) Seal Cove Rd: elevate 1,200' x 20' x 24"; add (1) 10' x 40' box culvert and repave.	
"	Road Commissioner	\$52,500	4 week	2) Laureel Lane: elevate 1,200' x 20' x 24"; ditch 2,500'; upsize (2) 15" x 40' culverts and repave.	
"	Road Commissioner	\$235,000	8 week	3) Shore Rd: elevate 4,000' x 20' x 3'; add (8) 15" x 40' culverts and repave.	
Stonington	EMA	\$0	May 05	1. Develop a communications link with utilities	

HANCOCK COUNTY HAZARD MITIGATION PLAN

Jurisdiction	Responsible Agency	Funds	Time Frame	Action (In priority order)
Stonington – Identified 2006-07	Town Manager	\$225,000	12 weeks	1) Moose Island Causeway: elevate 600' x 12' x 2'; riprap & repave.
“	Town Manager	\$23,000	6 week	2) Bayview Ave: build seawall 40' x 7' x 3'.
“	Town Manager	\$60,000	6 week	3) Replace (10) wells damaged by salt water intrusion town-wide.
Sullivan	Road Comm Road Comm EMA EMA	\$20,000 \$1,000 \$0 \$0	Dec 08 Dec 08 Jun 06 Jun 06	1. Deice roads & clear debris soon after storm 2. Train & equip a road debris clearance team 3. Develop database of private boat owners 4. Develop MAA with local ATV/Snowmobilers
Identified 2006-07	Road Commissioner	\$160,000	4 weeks	Tharon Rd: upsize existing 9' x 50' squash culvert to 12' x 50' squash culvert; riprap intake and outlet and repave.
Surry	Town Clerk Waterways	\$0 \$0	Sept 04 Sept 04	1. Develop database of private boat owners 2. Inspect piers, wharves & bridges
Identified 2006-07	Board of Selectmen	\$66,000	6 week	1) Newbury Neck / Thatcher's Hill Drainage Project: ditch 1,350', blast as needed; pave shoulder and add (3) 18" x 40' cross culverts; upsize 24" culvert to 36" x 40' culvert and repave.
“	Board of Selectmen	\$18,000	4 weeks	2) Town Landing: stabilize shoreline with riprap and native vegetation, 500' x 10' x 3'.
“	Board of Selectmen	\$14,000	3 weeks	3) Cross Rd at Morgan's Bay: install (2) 3' x 40' relief culverts and repave.
“	Board of Selectmen	\$23,000	4 weeks	4) Gold Stream Rd: widen road 100' x 4' and stabilize slope; add (2) 36" x 40' culverts and lengthen existing 5' culvert by 10'.
Swans Island	FD FD FD Selectmen	\$25 \$25 \$200 \$10,000	Oct 05 Oct 05 Oct 06 Oct 07	1. Educate public on wildfire dangers 2. Educate home owners on wildfire protection 3. Train all firefighters in wildfire safety & ICS 4. Provide generators at critical facilities
Tremont	Selectmen	\$0	May 06	1. Update Coastal set back requirements
Identified 2006-07	Town Manager	\$90,000	4 weeks	1) Cape Rd: relocate 1,000' x 18' of roadway and repave due to bank erosion.
“	Town Manager	\$35,000	3 weeks	2) Turner Rd: re-grade and repave 1,800' x 18'.
Trenton	Selectmen Selectmen Selectmen	\$0 \$0 \$0	Sept 04 Sept 04 Sept 04	1. Educate the public on severe storm dangers 2. Educate home owners on storm preparation 3. Educate public on wildfire dangers
Identified 2006-07	Road Commissioner	\$15,000	1 week	Goose Cove Rd: upsize 15" x 45' HDPE culvert and add catch basin.
Verona Island	Town Clerk Town Clerk	\$0 \$0	July 05 July 05	1. Educate home owners on wildfire protection 2. Educate home owners on storm preparation
Identified 2006-07	Board of Selectmen	\$25,000	3 weeks	West Side Dr: rebuild intersection to improve dangerous sight line with Route 1.
Waltham	FD	\$0	Apr 06	1. Develop wildfire warning & evacuation plans
	Road Commissioner	\$80,000	4 weeks	Junior Ralph Rd: reshape and riprap 2,000' x 12' of road embankment; ditch & line 2,000'; upsize (4) existing culverts to (4) 24" x 40' culverts.

HANCOCK COUNTY HAZARD MITIGATION PLAN

Jurisdiction	Responsible Agency	Funds	Time Frame	Action (In priority order)
Winter Harbor	FD	\$0	Aug 05	1. Educate home owners on wildfire protection
	Town Manager	\$95,000	4 weeks	1) Main St: upsize existing culvert to 10' x 4' x 40' box culvert & repave.
	Town Manager	\$8,500	3 weeks	2) Main St: install beam 400' x 3' x 3' & stabilize with native plantings.
Unorganized Territories	Territory Supervisor	\$0	Sept 05	1. Educate public on wildfire dangers
Hancock County	EMA	\$500	Nov 04	1. Educate the public on severe storm dangers
	EMA	\$500	Apr 05	2. Educate drivers about flooded roadways
	EMA	\$500	Sept 04	3. Educate public on wildfire dangers
	EMA	\$0	Sept 04	4. Hold mutual aid wildfire pre-plan meetings
	EMA	\$0	Apr 05	5. Train public officials in HazMat Awareness

Typical Funding Resources

Community Development Block Grants
Municipal Capital Improvement Projects
FEMA Hazard Mitigation Program Grants
Homeland Security Grants
Municipal Property Taxes

DOT Transportation Capital Improvements
FEMA Pre-Disaster Mitigation Grants
FEMA FIRE Grants
Land Use Impact Fees
Private Donations & Grant Programs