

Annual Update to the Regional Pre-Disaster Mitigation Plan – Hull Annex, September 2009

Part VI. FLOOD RELATED HAZARDS

**Mitigation Measures Already in Place**

Comprehensive Emergency Management Plan (CEMP): An updated version of the CEMP has been approved by the Massachusetts Emergency Management Agency.

Participation in the National Flood Insurance Program (NFIP): The FEMA database includes statistics from January 1, 1978 updated to April 30, 2009. This data can be found at <http://www.fema.gov/business/nfip/statistics/pcstat.shtm>.

Flood insurance policies in force (as of April 30, 2009)	2,110
Coverage amount of flood insurance policies	\$424,815,000
Premiums paid	\$2,538,606
Total losses (all losses submitted regardless of status)	2,068
Closed losses (losses that have been paid)	1,741
Open losses (losses that have not been paid in full)	0
CWOP losses (losses that have been closed without payment)	327
Total payments (total amount paid on losses)	\$12,148,395.67

**Table 19  
Potential Mitigation Measures**

<b>Mitigation Measures</b>	<b>Priority</b>	<b>Implementation Responsibility</b>	<b>Time Frame</b>	<b>Potential Funding Sources</b>
Storm water drainage system improvements, including increasing capacity; mapping the drainage system using GIS	High	Hull DPW	Years 1-3	FEMA mitigation funds; other grant or department funds
Check valves and back flow preventers	High	Hull DPW	Years 1-3	State & Local
Repair Nantasket sea wall (DRC owned facilities)	High	Mass. Dept. of Conservation and Recreation (DCR)	Years 1-3	State & Federal monies
Straits Pond at Nantasket Avenue culvert, Atlantic Ave. bridge, and tidegate repairs	High	MHD and Hull DPW	Years 1-3	State & Federal
House elevating	High	Hull Emergency Management	Years 1-3	FEMA mitigation funds
Repair of town seawall, dikes and jetties based on updated analysis of needs	High to Low – varies by project	Town of Hull	Years 1-5	FEMA mitigation funds, other grant funding
Seismic Study for earthquake hazards	Medium	Town of Hull	Years 3-5	Funding uncertain
Public education for residents in flood hazard zones; flood materials in library	High	CRS Coordinator	Years 1-5	Town funds
Repair and protect dunes along Nantasket Beach	High	Conservation Commission, DPW	Years 1-5	Town funds
Update FEMA flood maps	Medium	FEMA with input from the town of Hull	Years 1-3	FEMA Map Modernization Program
Flood protection for the A Street fire station. Elevate boiler and install hurricane doors.	High	Hull Fire Department	Years 2-5	FEMA mitigation funds; Fire Department funds

**Update to Table 19  
New Mitigation Measure**

<b>Mitigation Measures</b>	<b>Priority</b>	<b>Implementation Responsibility</b>	<b>Time Frame</b>	<b>Potential Funding Sources</b>
Examine need to elevate generator and mechanical systems at the Memorial School, which serves as the Town's emergency shelter.	High	Hull Emergency Management	Years 3-5	FEMA mitigation funds; town funds

**Update to Table 19  
Potential Mitigation Measures**

Mitigation Measures	September 2009 update
Storm water drainage system improvements, including increasing capacity; mapping the drainage system using GIS	The Town received state grant funds to improve drainage at Pond Street and Richard Road. Design and permitting is currently underway.
Check valves and back flow preventers	Work in this past year includes repair and rehabilitation of the flapper valve at Main Street and repair of the Spinnaker Island flapper valve.
Repair Nantasket sea wall (DRC owned facilities)	No new action since 2008.
Straits Pond at Nantasket Avenue culvert, Atlantic Ave. bridge, and tidegate repairs	The project to repair and replace the culvert, bridge and tidegate is underway. The project should be complete in September 2010.
House elevating	The Town received a FEMA Hazard Mitigation Grant for \$236,519 to elevate homes, or utilities within homes, for six residential properties. The six property owners are proceeding with their projects. The Town applied to FEMA's FMA program for \$310,000 to elevate homes, or utilities within homes, for four additional residential properties.
Repair of town seawall, dikes and jetties based on updated analysis of needs	The town has a Seawall Maintenance and Monitoring plan to ensure Town seawalls are inspected on a regular basis, and corrective action taken when required. Recent work includes emergency repairs to the James Street seawall.
Seismic Study for earthquake hazards	No action
Public education for residents in flood hazard zones; flood materials in library	The Town has comprehensive flood information and mitigation materials in the town library. The Town provides flood information and mitigation materials on the Town website. The Town sends an annual mailing with flood information to all residents in a flood zone.
Repair and protect dunes along Nantasket Beach	The Town plants beach grass each spring. In March 2009, the Town planted 15,000 beach grass plants. The Town has continued to repair breaches in the dune and improve sand fencing to protect the dune from damage. The Town intends to permit restoration of the dune in the vicinity of A Street during 2009.
Update FEMA flood maps	FEMA released draft maps for the Town of Hull in spring 2008 and, after receiving input from the Town, released revised maps in November 2008. The appeal period for the maps has closed; they are undergoing final review.
Flood protection for the A Street fire station. Elevate boiler and install hurricane doors.	The boiler was elevated in 2008. The Fire Department has applied for grant funding to install hurricane doors.