

Table X - Risk Assessment Matrix

Rank	What is Vulnerable	Location	Ownership	Natural Hazard	Primary Problem/Effects	Mitigation Benefit	Risk Historic=H Potential=P
HIGH	Coastal Beaches and property	South of Rte 1	Public and Private	Storm Surge High Winds & Thunderstorms Coastal Flooding Coastal Erosion/Shoreline Change Climate Change & Accelerated Sea Level Rise Hurricane	*threat to life safety *loss/damage property & beaches *loss of electrical utility *loss of potable water & wastewater disposal capabilities *increased potential for impact by coastal storms *Impacts to groundwater & surface water *pre-2003 building structures (wind zone 120mph) *loss of emergency communications *impact to health/social services *impacts to visitor population *loss of tax revenue	*protection of life and property *protection of potable water, septic & utilities *reduce contamination to water sources *prevent structural damage to residences and businesses *secure town tax revenue *protection of natural resources *protection of critical infrastructure	H & P
HIGH	Critical Facilities	Town Hall Charlestown School (Evacuation Center) Communication Towers Community Center/Senior Center	Public	High Winds & Thunderstorms Snow Ice Accumulation Extreme Cold Extreme Heat Hurricane	*threat to life safety *loss of critical infrastructure *loss of public safety equipment *disruption of emergency services *loss of emergency communications *school disruption *pre-2003 building structures (wind zone 110/120mph) *loss of electrical utility *loss of potable water & wastewater disposal capabilities	*protection of life and property *protection of essential services *protection of critical infrastructure *minimize disruption to emergency services *protection of power and communications lines, roads and public safety *maintain municipal services	H & P
MEDIUM	Critical Facilities (other)	State Salt Shed Police Department/EOC Fire/Rescue Depts. Town garage (DPW) Animal Shelter Library		<td> <td> </td> </td>	<td> </td>		
MEDIUM	Inland Properties	North of Rte 1	Private and Private	Riverine Flooding High Winds & Thunderstorms Snow Ice Extreme Cold Extreme Heat Hurricane	*loss of tax revenue *loss of life and property *economic and social hardships *septic system failure/leakage *loss of electrical utility *loss of emergency communications *loss of potable water & wastewater disposal capabilities *pre-2003 building structures (wind zone 110mph) *pre-1994 HUD standard mobile homes	*protection of life and property *maintain tax revenue *reduce contamination to water sources *Prevent structural damage to residences and businesses *protection of potable water, septic & utilities	H & P
HIGH	Transportation Infrastructure	Old Coach Rd Charlestown Beach Road Route 1A Kings Factory Primary & Secondary/Evacuation Routes	Public and Private	Snow Ice Flooding (Coastal/Riverine) Hurricane	*loss of life and property *public safety concerns *disrupts evacuation routes *poor drainage *infrastructure damage	*protection of life and property *evacuation routes remain passable *reduce economic hardships *reduce cost to repair transportation infrastructure *increase public safety	H & P
HIGH	Utilities	Townwide	Public and Private	High Winds & Thunderstorms Flooding (Coastal/Riverine) Ice Snow Hurricane	*loss of life *loss of public safety equipment *disruption of emergency services *loss of critical infrastructure *loss of potable water & wastewater disposal capabilities	*protection of life and property *protection of essential services *minimize disruption to emergency services *minimize or reduce economic hardship *protection of essential services *protection of critical infrastructure	H & P
HIGH	Industrial Property	Kenyon Mill, Sherman Avenue	Private	High Winds & Thunderstorms Riverine Flooding Ice Snow Hurricane	*economic and social hardship *loss of electrical utility *septic system failure/leakage *loss of potable water & wastewater disposal *water quality impacts	*reduce or eliminate economic and social hardship *protection of life and property *reduce contamination to water sources	H & P
MEDIUM	Commercial Property	Townwide	Private	High Winds & Thunderstorms Flooding (Coastal/Riverine) Ice Snow Hurricane	*economic and social hardship *loss of life and property *septic system failure/leakage *loss of potable water & wastewater disposal *water quality impacts	*reduce or eliminate economic and social hardship *protection of life and property *reduce contamination to water sources	H & P
Rank	What is	Location	Ownership	Natural	Primary	Mitigation	Risk Historic=H

	Vulnerable			Hazard	Problem/Effects	Benefit	Potential=P
MEDIUM	State and Federal Properties	RI Department of Environmental Parks and Campgrounds US Fish and Wildlife Service	Public	High Winds & Thunderstorms Hurricane	*loss of life *visitor population	*protection of life and property *reduce or eliminate economic and social hardship *protection of natural resources	H & P
MEDIUM	Historic National Registered Buildings	Carolina Village Historic District District Schoolhouse No. 2 Historic Village of the Narragansetts Joseph Jeffrey House Shannock Village Historic District Royal Indian Burial Ground Fort Ninigret Joseph Stanton House/Wilcox Tavern General Stanton Monument Sheffield House Babcock House	Public	High Winds & Thunderstorms Snow Ice Hurricane	*loss of life *loss of historical properties	*protection of life and property *historic preservation *reduce or eliminate economic and social hardship	P
HIGH	Public & Private Trees	Townwide	Public and Private	Flooding (Coastal/Riverine) High Winds & Thunderstorms Snow Ice Hurricane	*economic and social hardship *loss of electrical utility *loss of potable water & wastewater disposal capabilities *loss of emergency communications	*protection of life and property *reduce or eliminate economic and social hardship *protection of natural resources	H & P
HIGH	Marinas	Ninigret Pond: Shelter Cove Marina Ninigret Landing Marina (Lavin) Ocean House Marina	Public and Private	Storm Surge High Winds & Thunderstorms Coastal Flooding Coastal Erosion/Shoreline Change Climate Change & Accelerated Sea Level Rise Hurricane	*economic and social hardship *loss of property *water quality impacts	*protection of property *reduce or eliminate economic and social hardship *protection of natural resources	P
MEDIUM	Recreation Facilities	Blue Shutter Beach Pavilion Town Beach Pavilion	Public	Storm Surge High Winds & Thunderstorms Coastal Flooding Coastal Erosion/Shoreline Change Climate Change & Accelerated Sea Level Rise Hurricane	*economic and social hardship *loss of property *loss of potable water & wastewater disposal capabilities *water quality impacts	*protection of natural recreation facilities *reduce or eliminate economic and social hardship *protection of natural resources	P