

NOAA/DACF MAINE FLOOD RESILIENCY CHECKLIST

An opportunity to evaluate your coastal community
flood hazards and resiliency



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Maine Flood Resiliency Checklist

- The intent of the process is to develop an understanding on what the community has for resiliency and what the community needs to work on in order to become more resilient in the future.
- The Process is very comprehensive
- If you facilitate the workshop(s) be prepared and know the subject matter
- Request that all of the parties involved bring documents, maps and other supporting information to the meeting. When someone says they have the information, you want to see it.
- Allow for discussion and do not be afraid to pull the information out of the group
- Some of the information may seem repetitive, do not let that fool you, all of the information is seeking out certain pieces of information

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- Make sure all of the **staff** who deal with the topic areas of information are at the table, if they are not, valuable information will be missing and the discussion lacking.
- There are several ways to approach the process. Either do it over two meetings close together like a week apart or do it as a full day exercise
- Most important part is the wrap-up What are you going to do next with the information DO not just sit on it! Action is needed.
- Those that should be invited to the table include:

Highly Recommended Participants

- Planning staff
- Code enforcement officer
- Floodplain manager
- Emergency manager
- Public works officials
- Economic development staff
- Municipal engineer
- Waterfront coordinator / Harbormaster

Suggested Participants

- Elected official(s)
- Conservation commission representative
- Chamber of commerce representative
- Neighborhood association(s) representative
- Local leader(s) / resident(s)

The checklist is very comprehensive and can provide a great deal of insight to what the communities strengths are and what the weaknesses are.

The evaluation cover:

- Risk and Vulnerability
- Critical Infrastructure
- Critical Facilities
- Community Planning
- Social and Economic Vulnerability
- Natural Environment

Risk and Vulnerability		Yes	No N/A	Comments
1	Has your community considered the following coastal hazards?			
	<ul style="list-style-type: none"> • Coastal and nuisance flooding • Storm surge • Sea level rise • Coastal erosion and/or shoreline change 			
2	Has your community identified and documented the historical geographic extent of the following coastal hazards?			
	<ul style="list-style-type: none"> • Coastal and nuisance flooding • Storm surge • Sea level rise • Coastal erosion and/or shoreline change 			
3	Does your community document and archive information and images of physical damages and impacts, including geographic extent, water levels, and costs, of storms, floods and/or erosion?			
4	Are sea level rise and potential flood inundation scenarios determined for your community?			
5	Does your community have GIS mapping and analysis capabilities?			
6	Has the potential future extent of coastal hazards been identified, mapped, and considered in your community's planning?			
7	Has your community adopted a surveyed or GIS-based boundary delineating the highest annual tide (HAT) line for Shoreland Zoning?			
8	Does your community keep track of and document areas or neighborhoods that repeatedly experience damage from flooding or "repetitive loss" properties, as defined by the National Flood Insurance Program (NFIP)? If so, is the following information documented?			
	<ul style="list-style-type: none"> • Relative location of property • Damage type • Date of damage • Cause of damage • Damage costs 			
9	Has your community conducted vulnerability assessments of the following categories based on (a) existing and (b) potential future conditions?	a	b	
	<ul style="list-style-type: none"> • Critical facilities • Critical infrastructure • Coastal properties (public and private) • Society and the economy (local population, historical and cultural resources, businesses, tourism areas, etc.) • Natural environment 			

Critical Infrastructure		Yes	No N/A	Comments
1	Are any components of the following critical infrastructure located in (a) existing or (b) potential future flood hazard areas?	a	b	
	<ul style="list-style-type: none"> Wastewater treatment and transport system (plant, pipes, and pump stations) Stormwater system Water treatment and transport system (plant, pipes, and pump stations) and drinking water wells Power grid (substations) Energy network (oil, natural gas, etc.) Public roads Evacuation routes Culverts Bridges Dams Piers or wharves Railway infrastructure 			
2	Does the following critical infrastructure meet current minimum design standards?			
	<ul style="list-style-type: none"> Wastewater treatment and transport system (plant, pipes, and pump stations) Stormwater system Water treatment and transport system (plant, pipes, and pump stations) and drinking water wells Power grid (substations) Energy network (oil, natural gas, etc.) Public roads Evacuation routes Culverts Bridges Dams Piers or wharves Railway infrastructure 			
3	Are (a) maps or GIS used to show the location and accessibility of critical infrastructure in relation to flood hazard areas and (b) is that information publicly available?	a	b	
4	Does your community have (a) a detailed inventory, including elevations, of the following critical infrastructure and accessory components? If so, does it (b) include information about the relationship of the infrastructure to existing and potential future flood hazard areas?	a	b	
	<ul style="list-style-type: none"> Wastewater treatment and transport system (plant, pipes, and pump stations) Stormwater system Water treatment and transport system (plant, pipes, and pump stations) and drinking water wells Power grid (substations) Energy network (oil, natural gas, etc.) Public roads Evacuation routes Culverts Bridges Dams Piers or wharves Railway infrastructure 			

Critical Facilities		Yes	No N/A	Comments
1	Are the following critical facilities located in (a) existing flood hazard areas or dune/erosion hazard areas or in (b) potential future flood hazard areas?	a	b	
	<ul style="list-style-type: none"> Town/City Hall Critical record storage building Police station Fire station Public works facilities Emergency operation center Communications office Schools Hospitals, urgent care facilities, and health centers (e.g., nursing homes) Emergency shelters Transportation centers (e.g., bus station, airport, etc.) Facility of regional or local significance (e.g., harbor, marina, commercial dock, etc.) 			
2	Are (a) maps or GIS used to show the location and accessibility of critical facilities in relation to flood hazard areas and (b) is that information publicly available?	a	b	
3	Does your community (a) have a detailed inventory, including elevations, of the following critical facilities? If so, does it (b) include information about the relationship of those facilities to existing and potential future flood hazard areas?	a	b	
	<ul style="list-style-type: none"> Town/City Hall Critical record storage building Police station Fire station Public works facilities Emergency operation center Communications office Schools Hospitals, urgent care facilities, and health centers (e.g., nursing homes) Emergency shelters Transportation centers (e.g., bus station, airport, etc.) Facility of regional or local significance (e.g., harbor, marina, commercial dock, etc.) 			
4	Are critical facilities that are located in flood hazard areas ² elevated or floodproofed to at least the 0.2% chance (i.e., 500-year) flood?			

And I can tell you the results are all good!

