

Mitigation Action Plan—Durham County

The Mitigation Action Plan for Durham County is divided into two subsections:

7.1 Status of Previously Adopted Mitigation Actions

7.2 New 2015 Mitigation Actions

7.1 Status of Previously Adopted Mitigation Actions

This subsection contains all previously adopted mitigation actions for Durham County.

The “2015 Status” field provides a one-word description of the status of the mitigation action. Options for this field are:

- Completed
- Completed/To Be Continued
- Partially Completed/In Progress
- Deferred
- Deleted

The “Narrative Explanation” field provides a brief (two to three sentence) written explanation of the status of the action. As examples:

- If the status is “Completed” or “Completed/To Be Continued,” the narrative explanation includes specific dates or other pertinent details providing documentation of the action’s completion. Where applicable, this also includes any notes describing how successful the action has been.
- If the status is “Partially Completed/In Progress,” the narrative explanation will explain where the project is in terms of completion and if there are any barriers to implementation, such as lack of funding.
- If the status is “Deferred” or “Deleted,” the narrative explanation will explain why the action has not been started or why the jurisdiction desires to abandon the action. An example of the type of response provided here could be, “Altered conditions due to disaster events and recovery priorities have postponed or permanently delayed the implementation of the action.” Any deleted actions will remain in this status update section until the next plan update. At that time, the action will be completely removed from the Plan.

Mitigation Action 1		Continued enforcement of Flood Damage Prevention Ordinance.	
Goal: ¹	#1		
Category:	Local Plans and Regulations		
Hazard(s) Addressed:	Flood		
Lead Agency/Department Responsible:	City-County Planning Department		
Estimated Cost:	N/A		
Potential Funding Sources:	Self-funded		
Implementation Schedule:	2015-2020		
Priority (High, Moderate, Low):	High		
2015 Status:	Partially Completed/In Progress		
Narrative Explanation:	<p>All floodplain development applications, including for building permits, are evaluated by County Engineering for compliance with adopted flood hazard ordinance and approved to be included in the overall development approval by the City-County Planning Department. Compliance is ensured through post construction inspection and certification that all development is in accordance with approved permits.</p> <p>2016 Update: No changes required.</p>		

Mitigation Action 2		Continued participation in the NFIP Community Rating System (CRS) program.	
Goal:	#1		
Category:	Local Plans and Regulations		
Hazard(s) Addressed:	Flood		
Lead Agency/Department Responsible:	City-County Planning Department		
Estimated Cost:	N/A		
Potential Funding Sources:	Self-funded		
Implementation Schedule:	2015-2020		
Priority (High, Moderate, Low):	High		
2015 Status:	Partially Completed/In Progress		
Narrative Explanation:	<p>Floodplain Manager reviews all floodplain building permit applications for City/County Building Inspections (25 FY14). City Public Works reviews all floodplain development permits/site plans for City/County Planning Department (57 FY14). City and County recertify for CRS on a yearly basis.</p> <p>2016 Update:</p> <p>Floodplain Manager reviews all floodplain building permit applications for City/County Building Inspections (27 FY15). City</p>		

¹ The previously adopted mitigation actions for Durham County did not correlate with the new regional mitigation goals developed as part of the 2015 plan update. However, the new regional goals have been integrated with the previously adopted mitigation actions to bring them into the context of the new regional plan.

Mitigation Action 2	Continued participation in the NFIP Community Rating System (CRS) program.
	Public Works reviews all floodplain development permits/site plans for City/County Planning Department (93 FY15). City and County recertify for CRS on a yearly basis.

Mitigation Action 3	Continued enforcement of Subdivision Ordinance.
Goal:	#1
Category:	Local Plans and Regulations
Hazard(s) Addressed:	Flood; All Hazards for Ingress and Egress
Lead Agency/Department Responsible:	City-County Planning Department
Estimated Cost:	N/A
Potential Funding Sources:	Self-funded
Implementation Schedule:	2015-2020
Priority (High, Moderate, Low):	High
2015 Status:	Partially Completed/In Progress
Narrative Explanation:	All development applications, including building permits, are evaluated for compliance with adopted flood hazard ordinance. Compliance is ensured through post construction inspection and certification that all development is in accordance with approved permits. 2016 Update: No changes required.

Goal:	#1
Category:	Local Plans and Regulations
Hazard(s) Addressed:	All
Lead Agency/Department Responsible:	City-County Planning Department, City-County Inspections, County Engineering
Estimated Cost:	N/A
Potential Funding Sources:	Self-funded
Implementation Schedule:	2015-2020
Priority (High, Moderate, Low):	Moderate
2015 Status:	Partially Completed/In Progress
Narrative Explanation:	Enforce Floodplain Ordinance through permitting process and field inspections 2016 Update: Cleared up narrative explanation; Added Inspections and Engineering to Lead Agency list.

Mitigation Action 5	Continued enforcement of County Soil Erosion and Sedimentation Control Ordinance.
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Mitigation Action 5		Continued enforcement of County Soil Erosion and Sedimentation Control Ordinance.
Goal:	#1	
Category:	Local Plans and Regulations	
Hazard(s) Addressed:	Flood	
Lead Agency/Department Responsible:	Durham County Engineering Department	
Estimated Cost:	N/A	
Potential Funding Sources:	Self-funded	
Implementation Schedule:	2015-2020	
Priority (High, Moderate, Low):	Moderate	
2015 Status:	Partially Completed/In Progress	
Narrative Explanation:	Administration of the City and County Erosion Control Program is through field inspections and enforcement actions	
	2016 Update: Cleared up narrative explanation	

Mitigation Action 6		Continued enforcement of safe and sanitary housing ordinances and codes.
Goal:	#1	
Category:	Local Plans and Regulations	
Hazard(s) Addressed:	All	
Lead Agency/Department Responsible:	City-County Inspections Department, Durham County Public Health	
Estimated Cost:	N/A	
Potential Funding Sources:	Self-funded	
Implementation Schedule:	2015-2020	
Priority (High, Moderate, Low):	Moderate	
2015 Status:	Partially Completed/In Progress	
Narrative Explanation:	Annual inspections and permitting program ensures proper amounts and storage to reduce risk to the storm water basins from unauthorized releases and spills.	
	2016 Update: Added County Public Health to Lead Agency list.	

Mitigation Action 7		Continued enforcement of Fire Prevention/Hazardous Materials Permitting and Storage regulations.
Goal:	#1	
Category:	Local Plans and Regulations	
Hazard(s) Addressed:	Chemical Accidents	
Lead Agency/Department Responsible:	Durham County Fire Marshal, Durham County Engineering – Storm Water Division	
Estimated Cost:	N/A	
Potential Funding Sources:	Self-funded	
Implementation Schedule:	2015-2020	
Priority (High, Moderate, Low):	High	
2015 Status:	Partially Completed/In Progress	
Narrative Explanation:	<p>Fire Prevention Code requires activities to continue on an annual basis.</p> <p>2016 Update: Added County Storm Water to Lead Agency list.</p>	

Mitigation Action 8		Continue tree-trimming programs for storm damage prevention.
Goal:	#5	
Category:	Structure and Infrastructure Projects	
Hazard(s) Addressed:	All	
Lead Agency/Department Responsible:	Durham County Solid Waste	
Estimated Cost:	N/A	
Potential Funding Sources:	Self-funded	
Implementation Schedule:	2015-2020	
Priority (High, Moderate, Low):	High	
2015 Status:	Partially Completed/In Progress	
Narrative Explanation:	<p>Program is coordinated through NCDOT as needed for trees identified as a hazard.</p> <p>2016 Update: No changes required.</p>	

Mitigation Action 9		Continued implementation of Stormwater Management Plan.
Goal:	#1	
Category:	Local Plans and Regulations	
Hazard(s) Addressed:	Flood	
Lead Agency/Department Responsible:	Durham County Engineering Department	
Estimated Cost:	N/A	
Potential Funding Sources:	Self-funded	
Implementation Schedule:	2015-2020	
Priority (High, Moderate, Low):	High	

Mitigation Action 9	Continued implementation of Stormwater Management Plan.
2015 Status:	Partially Completed/In Progress
Narrative Explanation:	Plan is continually enforced and monitored through outfall inspections, wetlands inspections and waterways leading to such wetlands. 2016 Update: No changes required.

Mitigation Action 10	Continued implementation of Comprehensive Plan.
Goal:	#1
Category:	Local Plans and Regulations
Hazard(s) Addressed:	Flood; geographical hazards
Lead Agency/Department Responsible:	City-County Planning Department
Estimated Cost:	N/A
Potential Funding Sources:	Self-funded
Implementation Schedule:	2015-2020
Priority (High, Moderate, Low):	Moderate
2015 Status:	Partially Completed/In Progress
Narrative Explanation:	Plan is continually enforced. No end date projected. 2016 Update: No changes required.

Mitigation Action 11	Continue all aspects of the Floodplain Management Program.
Goal:	#1
Category:	Local Plans and Regulations
Hazard(s) Addressed:	Flood
Lead Agency/Department Responsible:	City-County Planning Department, City-County Inspections, Public Works (Community Rating System office)
Estimated Cost:	N/A
Potential Funding Sources:	Self-funded
Implementation Schedule:	2015-2020
Priority (High, Moderate, Low):	High
2015 Status:	Partially Completed/In Progress
Narrative Explanation:	Annual outreach to all property owners who have property in flood hazard areas with information regarding resources that identify 1) regulatory restrictions and processes, 2) resources to assist in compliance with regulatory standards, 3) information regarding flood hazard warning systems and general information regarding flood hazard mitigation, and 4) identification of resources available to define specific impacts to each property.

Mitigation Action 11	Continue all aspects of the Floodplain Management Program.
2016 Update: Updated Lead Agency list	

Mitigation Action 12	Continued enforcement of state building codes and more stringent local building requirements.
Goal:	#1
Category:	Local Plans and Regulations
Hazard(s) Addressed:	All
Lead Agency/Department Responsible:	City-County Inspections Department
Estimated Cost:	N/A
Potential Funding Sources:	Self-funded
Implementation Schedule:	2015-2020
Priority (High, Moderate, Low):	High
2015 Status:	Partially Completed/In Progress
Narrative Explanation:	<p>Enforce Floodplain Ordinance through permitting process and field inspections. Flood Plain manager reviews all floodplain building permit applications for City/County Building Inspections (25 FY14). Flood Plain manager reviews all floodplain development permits/site plans for City/County Planning Department (57 FY14).</p> <p>City/County also assists Building Inspections and Planning Departments in regulating to two feet above Future Conditions BFEs.</p> <p>2016 Update: City Public Works reviews all floodplain building permit applications for City/County Building Inspections (27 FY15). City Public Works reviews all floodplain development permits/site plans for City/County Planning Department (93 FY15). City and County recertify for CRS on a yearly basis.</p>

Mitigation Action 13		Look for opportunities to mitigate repetitive loss structures.
Goal:	#4	
Category:	Structure and Infrastructure Projects	
Hazard(s) Addressed:	Flood	
Lead Agency/Department Responsible:	Durham County Emergency Management, City Public Works, City-County Inspections, City-County Planning	
Estimated Cost:	N/A	
Potential Funding Sources:	HMGP or PDM with local or State match	
Implementation Schedule:	2015-2020	
Priority (High, Moderate, Low):	Moderate	
2015 Status:	Partially Completed/In Progress	
Narrative Explanation:	<p>Emergency Management will work with Public Works to continue to search out PDM mitigation opportunities: streambed restoration and property buy-outs.</p> <p>2016 Update: Updated Lead Agency list.</p>	

Mitigation Action 14		Continue all-hazards public information campaigns.
Goal:	#7	
Category:	Education and Awareness Programs	
Hazard(s) Addressed:	All	
Lead Agency/Department Responsible:	Durham County Emergency Management	
Estimated Cost:	N/A	
Potential Funding Sources:	Self-funded but will look for additional support and partners	
Implementation Schedule:	2015-2020	
Priority (High, Moderate, Low):	Moderate	
2015 Status:	Partially Completed/In Progress	
Narrative Explanation:	<p>Emergency Management has thematic outreach activities integrated into ongoing seasonal preparedness campaigns.</p> <p>2016 Update: Continuing community outreach, focusing on CERT programs and social media tools.</p>	

7.2 New 2015 Mitigation Actions

This subsection contains the new mitigation actions for Durham County for the 2015-2020 planning cycle. These actions are in addition to any actions that are ongoing from the previous list of mitigation items.

Mitigation Action 1	Identify and obtain additional properties to increase protected open space as a land-use tool to reduce adverse impacts from floods.
Goal:	#1; #4
Category:	Structure and Infrastructure Projects
Hazard(s) Addressed:	Flood
Lead Agency/Department Responsible:	City-County Planning Department
Estimated Cost:	N/A
Potential Funding Sources:	HMGP or PDM with local or State match
Implementation Schedule:	Continuous
Priority (High, Moderate, Low):	Moderate
2015 Status:	Partially Completed/In Progress
Narrative Explanation:	2016 Update:

Mitigation Action 2	Seek funding to retrofit critical facilities and County-owned facilities for improved resilience to all hazards with the use of the latest building materials and technology. This could include, but is not limited to: wind retrofits, low water consumption fixtures, leak detectors, backup generators, ignition-resistant materials, 320 or 361 compliant safe rooms, lightning protection, hail resistant roofing, and anchoring fixed building equipment.
Goal:	#4
Category:	Structure and Infrastructure Projects
Hazard(s) Addressed:	All
Lead Agency/Department Responsible:	City-County Planning, City-County Inspections, County General Services, County Engineering, Emergency Management
Estimated Cost:	To be determined on a case-by-case basis
Potential Funding Sources:	Local, State Grants, UHMA Grants, other federal grants
Implementation Schedule:	2015-2020
Priority (High, Moderate, Low):	Moderate
2015 Status:	Partially Completed/In Progress
Narrative Explanation:	2016 Update: Updated Lead Agencies/Department Responsible.

Mitigation Action 3	Seek funding to install backup generators or quick connect hook ups for mobile generators on any newly constructed County critical facilities.
Goal:	#4
Category:	Other Types of Actions
Hazard(s) Addressed:	All
Lead Agency/Department Responsible:	City-County Planning, City-County Inspections, County General Services, County Engineering, Emergency Management
Estimated Cost:	To be determined on a case-by-case basis
Potential Funding Sources:	Local, State Grants, UHMA Grants, other federal grants
Implementation Schedule:	2015-2020
Priority (High, Moderate, Low):	Moderate
2015 Status:	Partially Completed/In Progress
Narrative Explanation:	2016 Update: Updated Lead Agencies/Department Responsible.