APPENDIX D

WORKSHEETS USED IN PLANNING PROCESS

Dearing
HAZARD FREQUENCY TABLE

Hazard	Number of Events in Historic Record	Number of Years in Historic Record	Number of Events in Past 10 Years	Number of Events in Past 20 Years	Number of Events in Past 50 Years	Historic Recurrence Interval (years)	Historic Frequency % chance/year	20 year Historic Frequency % chance/year	Past 10 Year Record Frequency Per Year	Past 20 Year Record Frequency Per Year	Past 50 Year Record Frequency Per Year
Hurricane Surge - Cat 1						#DIV/0!	#DIV/0!	0.00	0	0	0
Hurricane Surge - Cat 2						#DIV/0!	#DIV/0!	0.00	0	0	0
Hurricane Surge - Cat 3						#DIV/0!	#DIV/0!	0.00	0	0	0
Hurricane Surge - Cat 4						#DIV/0!	#DIV/0!	0.00	0	0	0
Hurricane Surge - Cat 5						#DIV/0!	#DIV/0!	0.00	0	0	0
Hurricane Wind						#DIV/0!	#DIV/0!	0.00	0	0	0
Floods	1	67	0	1	1	67.00	1.49	5.00	0	0.05	0.02
Wildfire						#DIV/0!	#DIV/0!	0.00	0	0	0
Hail	23	67	4	5	12	2.91	34.33	25.00	0.4	0.25	0.24
Tornado						#DIV/0!	#DIV/0!	0.00	0	0	0
Thunderstorm Wind	21	67	9	12	21	3.19	31.34	60.00	0.9	0.6	0.42
Lightning	0	67	0	0		#DIV/0!	0.00	0.00	0	0	0
Drought	24	67	10	24	24	2.79	35.82	120.00	1	1.2	0.48
Extreme Heat						#DIV/0!	#DIV/0!	0.00	0	0	0
Snow & Ice	23	67	8	13	22	2.91	34.33	65.00	0.8	0.65	0.44
Landslide						#DIV/0!	#DIV/0!	0.00	0	0	0
Dam Failure						#DIV/0!	#DIV/0!	0.00	0	0	0
Tropical Storm Event	12	67	3	10	10	5.58	17.91	50.00	0.3	0.5	0.2
HazMat Release (fixed)						#DIV/0!	#DIV/0!	0.00	0	0	0
HazMat Release (trans)						#DIV/0!	#DIV/0!	0.00	0	0	0
Radiological Release						#DIV/0!	#DIV/0!	0.00	0	0	0
NOTE: Based on GEMA recommendation only 20 years of data were include in this report.											

NOTE: The historic frequency of a hazard event over a given period of time determines the historic recurrence interval. For example: If there have been 20 HazMat Releases in the County in the past 5 years, statistically you could expect that there will be 4 releases a year.

Realize that from a statistical standpoint, there are several variables to consider. 1) Accurate hazard history data and collection are crucial to an accurate recurrence interval and frequency. 2) Data collection and accuarcy has been much better in the past 10-20 years (NCDC weather records). 3) It is important to include all significant recorded hazard events which will include periodic updates to this table.

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McDuffie County
HAZARD FREQUENCY TABLE

Hazard	Number of Events in Historic Record	Number of Years in Historic Record	Number of Events in Past 10 Years	Number of Events in Past 20 Years	Number of Events in Past 50 Years	Historic Recurrence Interval (years)	Historic Frequency % chance/year	20 year Historic Frequency % chance/year	Past 10 Year Record Frequency Per Year	Past 20 Year Record Frequency Per Year	Past 50 Year Record Frequency Per Year
Hurricane Surge - Cat 1						#DIV/0!	#DIV/0!	0.00	0	0	0
Hurricane Surge - Cat 2						#DIV/0!	#DIV/0!	0.00	0	0	0
Hurricane Surge - Cat 3						#DIV/0!	#DIV/0!	0.00	0	0	0
Hurricane Surge - Cat 4						#DIV/0!	#DIV/0!	0.00	0	0	0
Hurricane Surge - Cat 5						#DIV/0!	#DIV/0!	0.00	0	0	0
Hurricane Wind						#DIV/0!	#DIV/0!	0.00	0	0	0
Floods	6	67	4	5	6	11.17	8.96	25.00	0.4	0.25	0.12
Wildfire	58	60	14	26	58	1.03	96.67	130.00	1.4	1.3	1.16
Hail	51	67	12	32	40	1.31	76.12	160.00	1.2	1.6	0.8
Tornado	7	67	4	5	7	9.57	10.45	25.00	0.4	0.25	0.14
Thunderstorm Wind	67	67	37	54	67	1.00	100.00	270.00	3.7	2.7	1.34
Lightning	60	67	14	58	59	1.12	89.55	290.00	1.4	2.9	1.18
Drought	24	67	10	24	24	2.79	35.82	120.00	1	1.2	0.48
Extreme Heat						#DIV/0!	#DIV/0!	0.00	0	0	0
Snow & Ice	23	67	8	13	22	2.91	34.33	65.00	0.8	0.65	0.44
Landslide						#DIV/0!	#DIV/0!	0.00	0	0	0
Dam Failure						#DIV/0!	#DIV/0!	0.00	0	0	0
Tropical Storm Event	12	67	3	10	10	5.58	17.91	50.00	0.3	0.5	0.2
HazMat Release (fixed)						#DIV/0!	#DIV/0!	0.00	0	0	0
HazMat Release (trans)						#DIV/0!	#DIV/0!	0.00	0	0	0
Radiological Release						#DIV/0!	#DIV/0!	0.00	0	0	0

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Thomson
HAZARD FREQUENCY TABLE

Hazard	Number of Events in Historic Record	Number of Years in Historic Record	Number of Events in Past 10 Years	Number of Events in Past 20 Years	Number of Events in Past 50 Years	Historic Recurrence Interval (years)	Historic Frequency % chance/year	20 year Historic Frequency % chance/year	Past 10 Year Record Frequency Per Year	Past 20 Year Record Frequency Per Year	Past 50 Year Record Frequency Per Year
Hurricane Surge - Cat 1						#DIV/0!	#DIV/0!	0.00	0	0	0
Hurricane Surge - Cat 2						#DIV/0!	#DIV/0!	0.00	0	0	0
Hurricane Surge - Cat 3						#DIV/0!	#DIV/0!	0.00	0	0	0
Hurricane Surge - Cat 4						#DIV/0!	#DIV/0!	0.00	0	0	0
Hurricane Surge - Cat 5						#DIV/0!	#DIV/0!	0.00	0	0	0
Hurricane Wind						#DIV/0!	#DIV/0!	0.00	0	0	0
Floods	4	67	3	4	4	16.75	5.97	20.00	0.3	0.2	0.08
Wildfire	0	0	0	0	0	#DIV/0!	#DIV/0!	0.00	0	0	0
Hail	42	67	7	24	31	1.60	62.69	120.00	0.7	1.2	0.62
Tornado	2	67	1	2	2	33.50	2.99	10.00	0.1	0.1	0.04
Thunderstorm Wind	44	67	15	31	44	1.52	65.67	155.00	1.5	1.55	0.88
lightning	2	67	0	2	2	33.50	2.99	10.00	0	0.1	0.04
Drought	24	67	10	24	24	2.79	35.82	120.00	1	1.2	0.48
Extreme Heat						#DIV/0!	#DIV/0!	0.00	0	0	0
Snow & Ice	23	67	8	13	22	2.91	34.33	65.00	0.8	0.65	0.44
Landslide						#DIV/0!	#DIV/0!	0.00	0	0	0
Dam Failure						#DIV/0!	#DIV/0!	0.00	0	0	0
Tropical Storm Event	12	67	3	10	10	5.58	17.91	50.00	0.3	0.5	0.2
HazMat Release (fixed)						#DIV/0!	#DIV/0!	0.00	0	0	0
HazMat Release (trans)						#DIV/0!	#DIV/0!	0.00	0	0	0
Radiological Release						#DIV/0!	#DIV/0!	0.00	0	0	0

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McDuffie County Unicorporated
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Hurricane Surge - Cat 1						#DIV/0!	#DIV/0!	0.00	0	0	0
Hurricane Surge - Cat 2						#DIV/0!	#DIV/0!	0.00	0	0	0
Hurricane Surge - Cat 3						#DIV/0!	#DIV/0!	0.00	0	0	0
Hurricane Surge - Cat 4						#DIV/0!	#DIV/0!	0.00	0	0	0
Hurricane Surge - Cat 5						#DIV/0!	#DIV/0!	0.00	0	0	0
Hurricane Wind						#DIV/0!	#DIV/0!	0.00	0	0	0
Floods	6	67	4	5	6	11.17	8.96	25.00	0.4	0.25	0.12
Wildfire	58	60	14	26	58	1.03	96.67	130.00	1.4	1.3	1.16
Hail	22	67	2	5	11	3.05	32.84	25.00	0.2	0.25	0.22
Tornado	7	67	4	5	7	9.57	10.45	25.00	0.4	0.25	0.14
Thunderstorm Wind	28	67	17	19	28	2.39	41.79	95.00	1.7	0.95	0.56
Lightning	58	67	14	26	57	1.16	86.57	130.00	1.4	1.3	1.14
Drought	24	67	10	24	24	2.79	35.82	120.00	1	1.2	0.48
Extreme Heat						#DIV/0!	#DIV/0!	0.00	0	0	0
Snow & Ice	23	67	8	13	22	2.91	34.33	65.00	0.8	0.65	0.44
Landslide						#DIV/0!	#DIV/0!	0.00	0	0	0
Dam Failure						#DIV/0!	#DIV/0!	0.00	0	0	0
Tropical Storm Event	12	67	3	10	10	5.58	17.91	50.00	0.3	0.5	0.2
HazMat Release (fixed)						#DIV/0!	#DIV/0!	0.00	0	0	0
HazMat Release (trans)						#DIV/0!	#DIV/0!	0.00	0	0	0
Radiological Release						#DIV/0!	#DIV/0!	0.00	0	0	0

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STAPLEE Criteria	S		T			A			P			L			E				E					
	(Social)		(Technical)			(Administrat			(Political)			(Legal)			(Economic)				(Environmental)					
Considerations → for Alternative Actions ↓	Community Acceptance	Effect on Segment of Population	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance / Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land / Water	Effect on Endangered Species	Effect on HAZMAT / Waste Sites	Consistent with Community Environmental Goals	Consistent With Federal Laws	Alternative Actions
Investigate greater participation Level in the CRS		+				-	-		-		-					-								
Participate in the NFIP		+	+			+	+									+			+					
Continue to assess stormwater runoff.	+	+	+	+		+	+	+	+						+				+			+		
Construct as needed, more storm water retention facilities, storm drain improvements and channel improvements to protect existing and new developments.	+	+	+	+		+	+	+	+						+	+			+					
Clear run-off and water retention ditches.	+	+		+		+	+		+									-						
Seek funding for communication towers and voice repeater systems.		+	+	+		+	+	+							+	+			+			+		
Adopt ordinances to limit and control building and development in known flood prone areas.		+	-	+		-	+								+	+		-				+		
Promote the preservation of areas in and around watercourses.			+	+		+	-	+							+			-	+			+		
Add greenspace to known flood prone areas.	+	+	+	+		+	-	+	+		+				+	-		-				+		
Evaluate existing water system upgrade as needed	+	+	-	-		-	-					+			+	-		-				+		
Investigate methods to reduce non-point source pollution.			+	+		+	-	+				+			+	-		-	+			+		
Promote increased surface water usage and surface artesian flow for irrigation.	+		+	+		-	-	+							+	+		-	+			+		
Enact a program to educate the residents about water conservation issues	+		+	+		-	+	+							+	+		+	+			+		
Increase public awareness of watering restrictions and bans.	+	+	+	+		+	+	+	+		+	+			+	+			+			+		

STAPLEE Criteria	S		T			A			P			L			E				E					
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Develop a public awareness campaign to promote water-saving campaigns (i.e. low-flow water saving devices)	+		+	+		+	+	+	+		+				+	+		-				+		
Continue training of all firefighters to include wildland fire training.			+	+		+	-	+	+		+				+	+		-				+		
Seek funding for needed firefighting equipment	+		+	+		+	+	+	+		+				+	+		-				+		
Inventory and replace or install more fire hydrants as needed.	+		+	+		+	+	+	+		+				+	+		-				+		
Seek funding fire engines and tankers for local fire departments.			+	+		+	-	+	+		+				+	+		-				+		
Enforce defensible space (30-ft minimum setbacks) between buildings and flammable brush and forestland where possible.			+	+		+	-	+	+		+				+	+		-				+		
Continue following GFC service of construction and maintenance of firebreaks around forests and structures, along abandoned roadbeds.			+	+		+	-	+	+		+				+	+		-				+		
Strictly follow GFC's guidelines for control burns and permits.			+	+		+	-	+	+		+				+	+		-				+		
Implement the Firewise Community Initiative where appropriate			+	+		+	-	+	+		+				+	+		-				+		
Improve public awareness of wildfire techniques and awareness of wildfire dangers.	+		+	+		-	+	+	+	+	-				+	+		-	+			+		
Adopt Building Codes	+		+	+		-	+	+	+	+	-				+	+		-	+			+		
Adopt Zoning Regulations	+	+	+	+		+	+	+	+						+	+		-	+			+		

STAPLEE Criteria	S		T			A			P			L			E				E					
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To the greatest extent possible, identify all owners of inadequately installed manufactured homes offer a financial incentive to retrofit them with an appropriate level of anchoring and support.	+		+	+		+	+	+	+						+	+		-				+		
Equip all county and city recreation parks with adequate early severe weather warning and lightning detection devices.	+		+	+		+	+	+	+						+	+		-				+		
Inspects public buildings and critical facilities and retrofit to reinforce windows, doors, and roofs as needed	+		+	+		+	+	+	+						+	+		-	+			+		
Enforce building codes for all new buildings and critical facilities.	+		+	+		+	+	+	+						+	+		-				+		
Inspect all county and municipal critical facilities for proper grounding.	+		+	+		+	+	+	+						+	+		-				+		
Install lightning rods in high value critical facilities.	+		+	+		+	+	+	+						+	+						+		
Install surge protectors on critical facilities' electronic equipment in essential county and city facilities.	+		+	+		+	+	+	+						+	+						+		
Review current Emergency Response Plan and update when needed.	+		+	+		+	+	+	+						+	+						+		
Review current evacuation plans paying particular attention to vulnerable populations and update as needed.	+	+	+	+		+	+	+	+						+	+						+		
Provide boat owners with safety tie down procedures with boat registration.	+		+	+		-	+	+	+						+	+						+		

STAPLEE Criteria	S		T			A			P			L			E				E					
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Considerations → for Alternative Actions ↓	Community Acceptance	Effect on Segment of Population	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance / Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land / Water	Effect on Endangered Species	Effect on HAZMAT / Waste Sites	Consistent with Community Environmental Goals	Consistent With Federal Laws	Alternative Actions
Develop a public awareness program about the installation of lightning grounding systems on critical infrastructure, residential and business properties.	+		+	+		+	+	+	+						+	+		-				+		
Inventory all critical facilities and assess generator needs. Install generators where needed.	+		+	+		-	+	+	+						+	+						+		
Seek funding to ensure all current and future emergency shelters have back-up generators.	+		+	+		+	+	+	+						+	+						+		
Educate the public on shelter locations and evacuation routes	+		+	+		-	+	+	+						+	+						+		
Develop public education and awareness programs regarding severe weather events to include home safety measures, purchase of weather radio and personal safety measures before, during and after an event.	+		+	+		+	+	+	+						+	+						+		
Implement a winter storm education program to include winterization of home and/or business and what to do before, during and after.	+		+	+		-	+	+	+						+	+						+		
Review current codes to comply with and enforce the State building code with criteria for design snow load for buildings and structures.	+		+	+		+	+	+	+						+	+								
Create a data base to record hazard event information.	+		+	+		-	+	+	+						+	+		-						
Conduct dam breach analysis to identify assets and population at risk in the event of a failure.	+		+	+		-	+	+	+						+	+			+					
Draft ordinance prohibiting development in dam breach zone.	+		+	+		-	+	+	+						+	+		-	+					

STAPLEE Criteria	S		T			A			P			L			E				E						
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Considerations → for Alternative Actions ↓	Community Acceptance	Effect on Segment of Population	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance / Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land / Water	Effect on Endangered Species	Effect on HAZMAT / Waste Sites	Consistent with Community Environmental Goals	Consistent With Federal Laws	Alternative Actions	
Install dam failure alert systems.	+		+	+		+	+	+	+						+	+		-							
Inventory existing road equipment and purchase needed equipment to maintain roads before, during and after a hazard event.	+		+	+		+	+	+	+						+	+									
Develop coordinated management strategies for deicing, snow plowing, and clearing roads of fallen trees and debris	+		+	+		+	+	+	+						+	+		-							
Promote the construction of safe rooms in shelter areas and in public buildings.	+		+	+		-	+	+	+						+	+									
Update 911 equipment as needed.	+		+	+		+	+	+	+						+	+									
Request that all new education facilities be designed to serve as public shelters for emergency purposes.	+		+	+		+	+	+	+						+	+									
Promote and participate in the following American Red Cross Programs																									
• Disaster Resistant Neighborhoods Program																									
• Business and Industry Preparedness Seminar																									
• Community Disaster Education Preparedness presentations	+		+	+		-	+	+	+						+	+									
Create an EMA website and Facebook Page with information pertaining to Emergency Preparedness.	+		+	+		+	+	+	+						+	+									
Work with local cable and radio providers to enhance and broadcast public education on Emergency Preparedness.	+		+	+		-	+	+	+						+	+		-							

STAPLEE Criteria	S		T			A			P			L			E				E					
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Implement GIS technology on fire and emergency management vehicles so data can be readily available in the field so more accurate, timely assessments for future mitigation planning activities.	+		+	+		+	+	+	+						+	+								
Purchase a portable sewer transfer pumping unit	+		+	+			+	+	+						+	+		-				+		
Herman Nelson Warming System AIR HEATER w/TRAILER	+		+	+			+	+	+						+	+		-				+		
Purchase a Brush Fire Truck	+		+	+		+	+	+	+						+	+		-				+		
Purchase a Bucket Truck to Remove Limbs along county road right-of-ways	+		+	+		+	+	+	+						+	+		-				+		
Pave Roads in county that are unpassable due to flooding	+		+	+		+	+	+	+						+	+		-				+		
Provide NOAA weather radios to elderly and handicap populations (moved to all hazards).	+		+	+		+	+	+	+						+	+		-				+		
Review existing comprehensive, development and land use plans to address flood prone areas.	+		+	+		+	+	+	+						+	+		-				+		
Preform procurement to contract with debris removal firm to have contract in place before hazards to ensure firm can move in immediately.	+		+	+		+	+	+	+						+	+		-				+		

6 Flood event(s) were reported in **McDuffie County, Georgia** between **01/01/1950** and **02/28/2017**.						
Location or County	**Details**	**Date**	**Time**	**Type**	**PrD**	**CrD**
McDuffie County	Flood conditions were reported beginning at 1:00 a.m. and ending at 7:00 p.m., resulting in 18 hours of flash flooding.	10/4/1995	1:00 AM	Flash Flood	0	0
North Portion of McDuffie County	Sheriff reported water moving over Folly Lake Bridge and on Stagecoach road. Again on June 13, 2001, flash floods were reported to occur in the northern portion of McDuffie County near Clarks Hill Lake as a result of Tropical Storm Allison. The sheriff reported water moving over Folly Lake Bridge and on Stagecoach Road. Georgia State Patrol responded to 6 accidents with three injuries. Damage caused by the rain was reported at Thomson and Dearing Elementary Schools, as well as Pine Street School, however, the costs of these damages are not available. The flood conditions on this occasion lasted approximately 4 hours.	6/13/2001	4:40 AM	Flash Flood	0	0
Thomson	EVENT NARRATIVE: DOT reported secondary dirt roads washed out from flash flooding that will have to be re-excavated. EPISODE NARRATIVE: Heavy rains from thunderstorms produced 3 to 5 inches over portions of northern McDuffie and northern Columbia counties.	9/10/2008	3:12 AM	Flash Flood	10K	0K
Boneville	EVENT NARRATIVE: Sheriff reported flooding at apartment complex with up to a foot of water in several apartments. EPISODE NARRATIVE: A squall line moved through the CSRA and took down some trees and powerlines.	1/24/2010	22:45 PM	Flash Flood	20k	0k
Thomson	Rutted roads and swollen creeks and ponds were the aftermath of 4.81 inches of rain that fell in Thomson-McDuffie County between Dec. 21 and Dec. 28.	12/29/2015		Flash Flood	0	0
Thomson	According to WTHO-FM, the Thomson area has received 7.11” from Dec. 21 through the morning of Dec. 31. Throughout the day on Dec. 30, the radio station measured 1.52 inches. Roads including First Avenue, Manassass Drive, A Street and Sill Street were effected by the flooding and standing water.	12/30/2016		Flash Flood	0	0
TOTALS:					10K	0

Location or County	Date	Type	CrD
Countywide	9/1/1997	Drought	NR
Countywide	5/1/1999	Drought	NR
Countywide	8/1/1999	Drought	NR
Countywide	2/1/2000	Drought	NR
Countywide	4/1/2000	Drought	NR
Countywide	5/1/2000	Drought	NR
Countywide	6/1/2000	Drought	NR
Countywide	7/1/2000	Drought	NR
Countywide	10/1/2000	Drought	NR
Countywide	11/1/2001	Drought	NR
Countywide	4/1/2002	Dry	NR
Countywide	8/1/2002	Drought	NR
Countywide	1/1/2003	Drought	NR
Countywide	3/1/2004	Drought	NR
Countywide	5/1/2007	Drought	NR
Countywide	9/1/2007	Drought	NR
Countywide	10/1/2007	Drought	NR
Countywide	11/1/2007	Drought	NR
Countywide	12/1/2007	Drought	NR
Countywide	9/1/2011	Drought	NR
Countywide	1/1/2012- 07/2012	Drought Extreme	
Countywide	08/2012-01/2013	Severe Drought	
Countywide	11/1/2016	Drought Moderate	NR
Countywide	3/1/2017	Drought Moderate	NR

McDuffie

FY	TOTAL	LIGHT	MACHI	CAMP	SMOKE	DEBRI	ARSON	RAIL	CHILD	MISC	D-RES	D-AG	D-SIT	D-HOU	D-LC	D-XRX	D-OTH
1957	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
1958	153.19	0.00	0.00	0.00	20.50	49.80	32.69	0.00	0.00	50.20							
1959	374.90	0.00	38.00	7.90	67.30	73.00	0.00	10.00	0.00	178.70							
1960	216.95	0.00	20.00	3.00	56.25	53.00	3.50	59.20	0.00	22.00							
1961	509.58	0.00	0.00	20.50	59.98	146.45	51.55	27.60	0.00	203.50							
1962	452.60	10.00	44.94	25.25	68.35	69.89	3.75	147.72	0.00	82.70							
1963	373.00	0.00	71.20	0.00	80.60	30.00	0.00	191.20	0.00	0.00							
1964	402.55	0.00	14.50	9.00	40.00	141.25	0.00	197.80	0.00	0.00							
1965	138.80	0.00	24.40	0.00	30.30	36.75	0.00	47.35	0.00	0.00							
1966	1585.40	0.00	66.80	17.75	53.30	117.45	1288.80	41.30	0.00	0.00							
1967	60.10	0.00	4.25	35.00	20.35	0.50	0.00	0.00	0.00	0.00							
1968	92.08	0.00	2.35	0.00	32.91	15.52	41.30	0.00	0.00	0.00							
1969	76.73	0.00	13.75	4.53	15.42	27.49	15.54	0.00	0.00	0.00							
1970	282.10	0.00	119.07	0.00	135.04	22.71	5.28	0.00	0.00	0.00							
1971	110.54	0.00	0.45	0.00	35.55	62.10	12.44	0.00	0.00	0.00							
1972	29.20	0.00	1.52	0.00	5.00	15.08	7.60	0.00	0.00	0.00							
1973	64.47	0.00	1.98	0.00	14.03	23.21	14.09	11.16	0.00	0.00							
1974	107.18	10.36	25.57	0.00	30.79	31.70	4.26	4.50	0.00	0.00							
1975	136.99	0.00	10.39	0.00	11.91	50.81	8.63	54.81	0.44	0.00							
1976	133.65	0.00	27.42	0.00	8.10	62.53	1.88	0.00	9.74	23.98							
1977	344.10	0.00	6.60	0.00	265.60	46.31	7.37	0.00	12.30	5.92							
1978	119.34	0.00	1.62	6.40	12.72	69.10	4.30	0.00	4.07	21.13							
1979	74.11	7.50	6.00	0.25	15.06	27.10	0.31	0.00	0.00	17.89							
1980	63.19	6.05	0.59	0.00	4.50	51.22	0.00	0.00	0.65	0.18							
1981	103.69	0.00	1.89	0.00	38.11	39.81	0.00	0.00	2.54	21.34							
1982	78.28	0.00	0.30	2.88	11.82	48.13	8.52	0.00	0.10	6.53							
1983	106.11	0.00	0.00	0.00	13.30	36.97	9.96	0.00	22.31	23.57							
1984	73.04	0.60	3.97	0.00	13.24	11.94	0.29	0.10	41.51	1.39							
1985	341.15	253.31	0.00	0.00	5.24	60.05	8.31	0.00	0.00	14.24							
1986	93.82	0.18	4.02	0.00	4.19	56.97	12.42	0.00	10.59	5.45							
1987	55.81	2.93	3.22	0.00	2.23	34.08	4.18	0.00	0.31	8.86							
1988	228.41	62.33	5.49	1.43	1.51	101.15	2.03	35.60	7.68	11.19							
1989	72.49	30.04	10.65	0.00	1.26	29.78	0.20	0.00	0.00	0.56							
1990	73.87	0.34	1.79	0.00	0.03	12.86	27.84	0.00	0.54	30.47							
1991	203.53	24.26	160.16	0.00	4.27	9.42	0.01	1.92	0.97	2.52							
1992	143.91	0.00	5.18	0.94	23.67	88.86	4.11	0.00	1.92	19.23							
1993	51.33	16.71	2.26	1.42	0.75	8.65	18.01	0.00	0.28	3.25							
1994	109.14	26.19	0.61	0.03	20.41	57.39	0.00	0.00	0.55	3.96							
1995	68.23	0.00	7.85	0.00	2.93	55.06	0.00	0.00	0.57	1.82							
1996	55.25	0.01	3.63	0.00	4.26	45.55	0.00	0.00	0.72	1.08							
1997	63.80	0.00	3.59	0.94	0.00	48.63	1.13	0.00	1.65	7.86							
1998	66.29	0.01	0.11	3.66	1.49	60.62	0.02	0.00	0.16	0.22							
1999	79.26	0.35	0.41	6.35	21.30	47.77	0.82	0.00	0.03	2.23							
1987	55.81	2.93	3.22	0.00	2.23	34.08	4.18	0.00	0.31	8.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988	228.41	62.33	5.49	1.43	1.51	101.15	2.06	35.60	7.65	11.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1989	72.49	30.04	10.65	0.00	1.26	29.78	0.20	0.00	0.00	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1990	73.87	0.34	1.79	0.00	0.03	12.61	28.51	0.00	0.12	30.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1991	203.53	24.26	160.16	0.00	4.27	9.42	0.56	1.92	0.42	2.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1992	143.91	0.00	5.18	0.94	23.67	88.86	4.89	0.00	1.14	19.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1993	51.33	16.71	2.26	1.42	0.75	8.65	18.01	0.00	0.28	3.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1994	109.14	26.19	0.61	0.03	20.41	57.39	0.00	0.00	0.55	3.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1995	68.23	0.00	7.85	0.00	2.93	55.06	0.00	0.00	0.57	1.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1996	55.25	0.01	3.63	0.00	3.93	45.55	1.05	0.00	0.00	1.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1997	63.80	0.00	3.59	0.94	0.00	48.49	9.73	0.00	0.00	1.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1998	66.29	0.01	0.11	3.66	1.49	59.39	1.25	0.00	0.16	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1999	79.26	0.35	0.41	6.35	21.30	47.77	0.82	0.00	0.03	2.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000	111.80	8.66	17.58	0.14	7.08	41.71	11.44	0.00	7.65	17.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2001	56.54	0.00	0.74	0.00	1.07	50.93	0.00	0.00	0.00	3.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2002	92.00	0.31	3.79	0.18	6.22	66.00	10.28	0.00	0.03	5.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2003	113.77	24.23	3.31	0.00	0.54	78.72	0.03	0.00	0.72	6.22	7.54	0.00	7.51	44.59	0.00	6.75	9.68
2004	206.56	14.91	59.66	0.00	2.21	113.30	3.13	0.00	0.00	13.35	42.67	46.49	0.82	2.11	19.84	1.37	0.00
2005	11.16	0.00	0.19	0.00	0.69	6.02	0.00	0.00	0.86	3.40	1.62	0.00	1.98	0.88	0.89	0.65	0.00
2006	207.76	0.00	7.44	0.00	4.20	121.90	67.12	0.00	2.92	4.18	5.33	17.04	92.49	0.91	0.35	0.00	5.78
2007	30.06	0.25	4.03	0.00	8.74	14.89	0.22	0.00	0.00	1.93	4.14	1.02	8.34	1.14	0.00	0.25	0.00
2008	351.73	54.40	1.26	0.48	29.93	63.24	191.01	0.00	9.94	1.47	11.53	17.08	27.71	0.53	2.41	3.19	0.79
2009	72.07	0.00	4.42	0.01	59.68	4.85	2.69	0.00	0.16	0.26	1.55	0.00	0.01	3.28	0.01	0.00	0.00
2010	69.86	38.67	2.35	0.00	5.75	20.43	2.66	0.00	0.00	0.00	7.22	12.80	0.00	0.00	0.00	0.03	0.38
2011	85.42	13.41	33.30	0.00	8.98	5.81	6.63	0.00	0.02	17.27	2.57	0.29	0.97	1.42	0.56	0.00	0.00
2012	112.54	1.50	46.45	0.00	0.65	4.45	23.38	26.50	0.00	9.61	3.75	0.00	0.00	0.29	0.00	0.40	0.01
2013	50.43	0.32	6.71	1.33	0.00	17.70	0.00	0.90	0.08	23.39	0.00	5.45	1.26	0.51	0.02	9.56	0.90
2014	153.58	0.00	2.50	1.10	0.00	76.15	30.40	0.00	0.10	43.33	27.19	26.80	0.20	12.40	0.00	9.46	0.10
2015	38.10	0.01	0.00	6.50	0.00	12.30	2.20	0.00	0.00	17.09	7.60	0.30	0.20	4.00	0.00	0.20	0.00
2016	52.26	0.00	0.10	0.00	0.00	6.72	30.58	0.00	0.40	14.46	0.00	0.00	2.70	0.00	2.75	1.27	0.00
2017	25.44	0.00	0.00	0.00	0.42	16.68	0.00	0.00	0.00	8.34	3.12	0.00	7.87	0.00	1.70	0.00	3.99
2018	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2019	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2025	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2026	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2027	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2028	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2029	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

McDuffie

FY	TOTAL	LIGHT	MACHI	CAMP	SMOKE	DEBRI	ARSON	RAIL	CHILD	MISC	D-RES	D-AG	D-SIT	D-HOU	D-LC	D-XRX	D-OTH
1957	0	0	0	0	0	0	0	0	0	0							
1958	18	0	0	0	4	4	6	0	0	4							
1959	37	0	4	3	12	6	0	1	0	11							
1960	37	0	3	1	11	4	5	10	0	3							
1961	56	0	0	4	15	12	5	8	0	12							
1962	39	1	3	4	11	7	2	8	0	3							
1963	44	0	5	0	12	7	0	20	0	0							
1964	36	0	3	1	10	13	0	9	0	0							
1965	23	0	2	0	5	6	0	10	0	0							
1966	36	0	6	2	7	10	6	5	0	0							
1967	13	0	4	1	7	1	0	0	0	0							
1968	28	0	4	0	12	8	4	0	0	0							
1969	22	0	5	1	4	8	4	0	0	0							
1970	31	0	6	0	12	10	3	0	0	0							
1971	31	0	7	0	7	9	7	1	0	0							
1972	9	0	2	0	1	3	3	0	0	0							
1973	24	0	3	0	4	7	4	6	0	0							
1974	49	1	11	0	13	19	3	2	0	0							
1975	35	1	5	0	4	16	1	7	1	0							
1976	42	0	4	0	8	19	1	0	3	7							
1977	31	0	3	0	7	10	2	0	3	6							
1978	60	0	2	4	5	25	3	0	5	16							
1979	38	1	1	1	9	15	1	0	0	10							
1980	20	2	4	0	1	9	0	0	1	3							
1981	24	0	1	0	7	9	0	0	2	5							
1982	34	0	1	1	3	13	9	0	2	5							
1983	24	0	0	0	3	9	6	0	4	2							
1984	32	1	3	0	5	16	1	1	2	3							
1985	51	2	0	0	3	27	9	0	0	10							
1986	49	1	3	0	6	26	6	0	3	4							
1987	31	2	3	0	2	18	1	0	1	4	0	0	0	0	0	0	0
1988	78	5	4	1	5	45	7	1	4	6	0	0	0	0	0	0	0
1989	31	4	1	0	3	18	1	0	0	4	0	0	0	0	0	0	0
1990	31	1	2	0	1	5	10	0	1	11	0	0	0	0	0	0	0
1991	39	3	7	0	7	12	2	1	2	5	0	0	0	0	0	0	0
1992	56	0	2	1	6	28	7	0	5	7	0	0	0	0	0	0	0
1993	36	1	4	2	2	19	2	0	2	4	0	0	0	0	0	0	0
1994	79	5	4	1	9	48	0	0	4	8	0	0	0	0	0	0	0
1995	24	0	3	0	3	16	0	0	1	1	0	0	0	0	0	0	0
1996	37	1	2	0	3	24	5	0	0	2	0	0	0	0	0	0	0
1997	21	0	2	1	0	12	5	0	0	1	0	0	0	0	0	0	0

1998	20	1	1	2	3	7	3	0	2	1	0	0	0	0	0	0
1999	43	1	3	2	3	27	1	0	2	4	0	0	0	0	0	0
2000	100	5	12	2	9	37	2	1	12	20	0	0	0	0	0	0
2001	31	0	1	0	4	22	0	0	0	4	0	0	0	0	0	0
2002	74	1	7	1	10	42	8	0	1	4	0	0	0	0	0	0
2003	24	2	3	0	2	11	2	0	1	3	4	0	1	2	0	2	1
2004	47	1	5	0	5	27	2	0	0	7	13	5	1	1	6	1	0
2005	16	1	2	0	2	8	0	0	2	1	3	0	2	1	1	1	0
2006	75	0	10	0	6	29	25	0	2	3	7	7	8	3	1	0	3
2007	43	1	11	0	6	21	2	0	0	2	6	2	10	2	0	1	0
2008	48	2	5	1	8	22	4	0	2	4	8	3	3	2	3	2	1
2009	23	0	3	1	5	8	4	0	1	1	4	0	1	2	1	0	0
2010	28	4	3	0	4	10	7	0	0	0	7	1	0	0	0	1	1
2011	46	3	9	0	6	13	6	0	1	8	3	3	4	2	1	0	0
2012	41	1	9	0	4	11	10	1	0	5	8	0	0	1	0	1	1
2013	46	2	2	1	0	19	0	1	1	20	0	5	6	2	1	4	1
2014	34	0	3	1	0	12	2	0	1	15	7	1	1	1	0	1	1
2015	27	1	0	3	0	9	1	0	0	13	3	1	1	3	0	1	0
2016	20	0	1	0	0	4	6	0	1	8	0	0	1	0	2	1	0
2017	19	0	0	0	2	8	0	0	0	9	5	0	1	0	1	0	1
2018	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Location or County	Details	Date	Type	Mag	Dth	Inj	PrD	CrD
1 MCDUFFIE	None Reported	5/24/1955	Tornado	F0	3	0	3K	0
2 MCDUFFIE	None Reported	2/2/1973	Tornado	F1	0	0	3K	0
3 Thomson	Storm Survey found an F0 broke trees in half at the intersection of I-20 and White Oak road.	1/13/2005	Tornado	F0	0	0	0	0
4 Thomson	EVENT NARRATIVE: An EF2 started in Warren county and moved through McDuffie county taking down numerous trees and powerlines. The twister moved along hwy 278 to Thomson then along hwy 150 to I-20. Several vehicles were totaled and many homes and a private school had moderate damage. Ground survey found a damage path of 9 miles in McDuffie county but an areal survey found the total length to be 15 miles. There were no injuries or deaths. EPISODE NARRATIVE: Supercells moved across the southern states and into GA producing tornadoes across the region.	3/1/2007	Tornado	F2	0	0	0K	0K
5 Thmson Mcduffee Arpt	EVENT NARRATIVE: Storm survey found an F0 started in McDuffie county taking down many trees and continued into Columbia county. EPISODE NARRATIVE: Three supercells tracked across portions of the GA CSRA and produce multiple long-lived tornadoes that produced significant damage.	3/15/2008	Tornado	F0	0	0	0K	0K

Location or County	Details	Date	Type	Mag	Dth	Inj	PrD	CrD
6 Thmson Mcduffee Arpt	EVENT NARRATIVE: Storm survey found the tornado path coming out of Wilkes county into McDuffie county. Only trees were in the path of the tornado with many being taken down just south of the lakeshore. EPISODE NARRATIVE: Supercells developed of much of Georgia and did considerable damage. There was one fatality in Atlanta's area with several injuries.	2/18/2009	Tornado	F0	0	0	0K	50K
7 Boneville	EVENT NARRATIVE: Dispatch reported trees down, some on vehicles, on Moose Club road. NWS damage survey also found and minor damage to several homes. EPISODE NARRATIVE: Supercell thunderstorms moved across the CSRA and produced large tornadoes.	4/10/2009	Tornado	F0	0	0	72K	0K
TOTALS:					3	0	77K	50K

1 HURRICANE & TROPICAL STORM event(s) were reported in **McDuffie County, Georgia**									
	Details	**Date**	**Time**	**Type**	**Mag**	**Dth**	**Inj**	**PrD**	**CrD**
McDuffie	Tropical Storm Hannah	9/14/2002	11:00 AM	Tropical Storm		0	0	0	0
McDuffie	Tropical Depression Bill	7/1/2003	12:00 AM	Tropical Depression		0	0	0	0
McDuffie	Result of Hurricane Francis	9/6/2004	12:00 PM	Tropical Storm		0	0	0	0
McDuffie	Result of Hurricane Ivan	9/16/2004	12:00 AM	Tropical Storm		0	0	0	0
McDuffie	Result of Hurricane Jeanne	9/26/2004	12:00 AM	Tropical Storm		0	0	0	0
McDuffie	Result of Tropical Storm Arlene	6/12/2005	12:00 AM	Tropical Storm		0	0	0	0
McDuffie	Result of Hurricane Dennis	7/10/2005	10:00 AM	Hurricane/typhoon		0	0	0	0
McDuffie	Result of Hurricane Katrina	8/29/2005	11:00 AM	Hurricane/typhoon		0	0	0	0
McDuffie	Result of Tropical Storm Tammy	10/5/2005	4:00 AM	Tropical Storm		0	0	0	0
McDuffie	Result of Tropical Storm Fay	8/21/2008	12:00 PM	Tropical Storm	N/A	0	0	0	0
McDuffie	Result of Hurricane Ida	11/10/2009		Tropical Storm				0	0
McDuffie	Result of Tropical Storm Lee	9/4/2011		Tropical Storm				0	0

BEGIN_LOCATION	BEGIN_DATE	BEGIN_TIME	EVENT_TYPE	MAGNITUDE	TOR_F_SCALE	DEATHS_DIRECT	INJURIES_DIRECT	DAMAGE_PROPERTY_NUM	DAMAGE_CROPS_NUM
MCDUFFIE CO.	9/10/1983	1530	Thunderstorm Wind	0		0	0	0	0
MCDUFFIE CO.	4/9/1991	2150	Thunderstorm Wind	0		0	0	0	0
MCDUFFIE CO.	4/19/1991	1540	Thunderstorm Wind	0		0	0	0	0
MCDUFFIE CO.	7/1/1992	1345	Thunderstorm Wind	0		0	0	0	0
MCDUFFIE CO.	7/5/1992	1225	Thunderstorm Wind	0		0	0	0	0
MCDUFFIE CO.	8/17/1992	2215	Thunderstorm Wind	0		0	0	0	0
MCDUFFIE CO.	10/12/1994	1900	Thunderstorm Wind	0		0	0	5000	0
Thomson	5/14/1995	1150	Thunderstorm Wind	0		0	0	25000	0
THOMSON	1/27/1996	240	Thunderstorm Wind	50		0	0	0	0
THOMSON	7/21/1996	1900	Thunderstorm Wind	50		0	0	0	0
THOMSON	4/22/1997	2000	Thunderstorm Wind	80		0	0	2750000	0
THOMSON	6/16/1998	145	Thunderstorm Wind	55		0	0	0	0
THOMSON	6/19/1998	1321	Thunderstorm Wind	55		0	0	0	0
THOMSON	9/8/1998	1720	Thunderstorm Wind	55		0	0	0	0
DEARING	9/8/1998	1729	Thunderstorm Wind	55		0	0	0	0
THOMSON	5/6/1999	1245	Thunderstorm Wind	60		0	0	0	0
THOMSON	1/10/2000	626	Thunderstorm Wind	50		0	0	12000	0
THOMSON	1/19/2001	1425	Thunderstorm Wind	65		0	0	0	0
THOMSON	5/13/2002	1730	Thunderstorm Wind	50		0	0	12000	0
COUNTYWIDE	2/22/2003	1010	Thunderstorm Wind	60		0	0	0	0
THOMSON	5/1/2003	1250	Thunderstorm Wind	55		0	0	0	0
COUNTYWIDE	5/2/2003	2006	Thunderstorm Wind	60		0	0	0	0
THOMSON	11/19/2003	515	Thunderstorm Wind	50		0	0	0	0
THOMSON	6/25/2004	1615	Thunderstorm Wind	50		0	0	0	0
THOMSON	11/24/2004	1244	Thunderstorm Wind	50		0	0	0	0
THOMSON	3/2/2007	118	Thunderstorm Wind	55		0	0	0	0
THOMSON	6/5/2007	1423	Thunderstorm Wind	50		0	0	0	0
THOMSON	7/1/2007	1600	Thunderstorm Wind	60		0	0	0	0
BONEVILLE	4/10/2009	2050	Thunderstorm Wind	65		0	0	8000	0
BONEVILLE	4/10/2009	2058	Thunderstorm Wind	65		0	0	1000	0
THMSON MCDUFFEE ARPT	8/5/2009	1507	Thunderstorm Wind	55		0	0	4000	0

BEGIN_LOCATION	BEGIN_DATE	BEGIN_TIME	EVENT_TYPE	MAGNITUDE	TOR_F_SCALE	DEATHS_DIRECT	INJURIES_DIRECT	DAMAGE_PROPERTY_NUM	DAMAGE_CROPS_NUM
THMSON MCDUFFEE ARPT	8/5/2009	1515	Thunderstorm Wind	55		0	0	2000	0
THOMSON	6/25/2010	1802	Thunderstorm Wind	55		0	0	8000	0
BONEVILLE	7/26/2010	1931	Thunderstorm Wind	55		0	0	6000	0
THOMSON	7/27/2010	1705	Thunderstorm Wind	55		0	0	24000	0
THOMSON	11/30/2010	2120	Thunderstorm Wind	50		0	0	4000	0
THOMSON	4/5/2011	130	Thunderstorm Wind	65		0	0	24000	0
THOMSON	6/9/2011	1840	Thunderstorm Wind	55		0	0	2000	0
THMSON MCDUFFEE ARPT	6/9/2011	1956	Thunderstorm Wind	50		0	0	2000	0
THOMSON	6/11/2011	1920	Thunderstorm Wind	55		0	0	2000	0
THOMSON	6/15/2011	2010	Thunderstorm Wind	60		0	0	18000	0
BONEVILLE	6/18/2011	1952	Thunderstorm Wind	55		0	0	3000	0
BONEVILLE	6/28/2011	645	Thunderstorm Wind	50		0	0	2000	0
BONEVILLE	6/28/2011	1845	Thunderstorm Wind	55		0	0	0	0
THOMSON	6/28/2011	1858	Thunderstorm Wind	55		0	0	0	0
DEARING	10/13/2011	1621	Thunderstorm Wind	60		0	0	0	0
THOMSON	10/13/2011	1622	Thunderstorm Wind	55		0	0	15000	0
DEARING	2/24/2012	1215	Thunderstorm Wind	65		0	0	20000	0
DEARING	4/19/2013	1451	Thunderstorm Wind	55		0	0	4000	0
DEARING	7/17/2013	2010	Thunderstorm Wind	55		0	0	6000	0
BONEVILLE	7/17/2013	2020	Thunderstorm Wind	55		0	0	3000	0
THMSON MCDUFFEE ARPT	8/8/2014	1710	Thunderstorm Wind	50		0	0	4000	0
WRIGHTSBORO	10/14/2014	727	Thunderstorm Wind	50		0	0	2000	0
DEARING	6/9/2015	1457	Thunderstorm Wind	55		0	0	3000	0
THOMSON	6/24/2015	1425	Thunderstorm Wind	55		0	0	4000	0
DEARING	6/27/2015	1610	Thunderstorm Wind	55		0	0	8000	0
DEARING	8/6/2015	1544	Thunderstorm Wind	55		0	0	3000	0
THMSON MCDUFFEE ARPT	8/6/2015	1548	Thunderstorm Wind	50		0	0	4000	0

BEGIN_LOCATION	BEGIN_DATE	BEGIN_TIME	EVENT_TYPE	MAGNITUDE	TOR_F_SCALE	DEATHS_DIRECT	INJURIES_DIRECT	DAMAGE_PROPERTY_NUM	DAMAGE_CROPS_NUM
THMSON MCDUFFEE ARPT	8/30/2015	1546	Thunderstorm Wind	55		0	0	12000	0
THMSON MCDUFFEE ARPT	8/30/2015	1554	Thunderstorm Wind	55		0	0	12000	0
THMSON MCDUFFEE ARPT	6/17/2016	1422	Thunderstorm Wind	55		0	0	0	0
THOMSON	7/5/2016	1547	Thunderstorm Wind	60		0	0	0	0
THOMSON	7/6/2016	1420	Thunderstorm Wind	50		0	0	0	0
THOMSON	7/8/2016	2239	Thunderstorm Wind	55		0	0	0	0

2 LIGHTNING event(s) were reported in **Mcduffie County, Georgia** between **01/01/1950** and **04/30/2010**.

Dth: Deaths
Inj: Injuries
Property
PrD: Damage
Crop
CrD: Damage

Georgia

Location or County	Date	Time	Type	Mag	Dth	Inj	PrD	CrD
1 Thomson	7/16/1997	5:51 PM	Lightning	N/A	0	1	8K	0
2 Thomson	6/2/2006	8:40 PM	Lightning	N/A	0	0	0	0
				TOTALS:	0	1	8K	0

Location	County/Zone	Date	Time	T.Z.	Type	Mag	Dth	Inj	PrD	CrD
BONEVILLE	MCDUFFIE CO.	5/13/1999	15:10	EST	Hail	0.75 in.	0	0	0.00K	0.00K
BONEVILLE	MCDUFFIE CO.	4/7/2016	1:18	EST-5	Hail	0.88 in.	0	0	0.00K	0.00K
DEARING	MCDUFFIE CO.	4/8/1998	22:30	EST	Hail	1.75 in.	0	0	0.00K	0.00K
DEARING	MCDUFFIE CO.	3/15/2008	17:25	EST-5	Hail	0.88 in.	0	0	0.00K	0.00K
DEARING	MCDUFFIE CO.	5/20/2008	16:28	EST-5	Hail	0.75 in.	0	0	0.00K	0.00K
DEARING	MCDUFFIE CO.	7/1/2012	15:26	EST-5	Hail	1.75 in.	0	15	10.00K	0.00K
DEARING	MCDUFFIE CO.	8/20/2014	16:48	EST-5	Hail	1.00 in.	0	0	0.00K	0.00K
MCDUFFIE CO.	MCDUFFIE CO.	5/29/1971	17:30	CST	Hail	1.00 in.	0	0	0.00K	0.00K
MCDUFFIE CO.	MCDUFFIE CO.	5/4/1974	16:55	CST	Hail	0.75 in.	0	0	0.00K	0.00K
MCDUFFIE CO.	MCDUFFIE CO.	10/4/1979	15:35	CST	Hail	1.75 in.	0	0	0.00K	0.00K
MCDUFFIE CO.	MCDUFFIE CO.	5/22/1985	13:03	CST	Hail	1.00 in.	0	0	0.00K	0.00K
MCDUFFIE CO.	MCDUFFIE CO.	6/9/1988	14:50	CST	Hail	0.75 in.	0	0	0.00K	0.00K
Shell Bluff	MCDUFFIE CO.	5/19/1995	11:50	EST	Hail	1.75 in.	0	0	5.00K	0.00K
THOMSON	MCDUFFIE CO.	4/22/1997	18:57	EST	Hail	0.75 in.	0	0	0.00K	0.00K
THOMSON	MCDUFFIE CO.	5/3/1997	10:42	EST	Hail	1.25 in.	0	0	0.00K	0.00K
THOMSON	MCDUFFIE CO.	6/20/1997	14:43	EST	Hail	0.88 in.	0	0	0.00K	0.00K
THOMSON	MCDUFFIE CO.	4/3/1998	22:10	EST	Hail	0.75 in.	0	0	0.00K	0.00K
THOMSON	MCDUFFIE CO.	4/3/1998	22:43	EST	Hail	1.00 in.	0	0	0.00K	0.00K
THOMSON	MCDUFFIE CO.	3/31/2002	12:45	EST	Hail	1.00 in.	0	0	0.00K	0.00K
THOMSON	MCDUFFIE CO.	5/3/2002	16:45	EST	Hail	0.88 in.	0	0	0.00K	0.00K
THOMSON	MCDUFFIE CO.	5/3/2002	17:15	EST	Hail	1.00 in.	0	0	0.00K	0.00K
THOMSON	MCDUFFIE CO.	5/10/2002	16:00	EST	Hail	0.75 in.	0	0	0.00K	0.00K
THOMSON	MCDUFFIE CO.	5/10/2002	16:17	EST	Hail	0.75 in.	0	0	0.00K	0.00K
THOMSON	MCDUFFIE CO.	5/6/2003	15:45	EST	Hail	0.75 in.	0	0	0.00K	0.00K
THOMSON	MCDUFFIE CO.	7/21/2003	18:00	EST	Hail	0.75 in.	0	0	0.00K	0.00K
THOMSON	MCDUFFIE CO.	1/13/2005	18:10	EST	Hail	0.75 in.	0	0	0.00K	0.00K
THOMSON	MCDUFFIE CO.	2/21/2005	21:14	EST	Hail	1.00 in.	0	0	0.00K	0.00K
THOMSON	MCDUFFIE CO.	3/31/2005	7:55	EST	Hail	0.75 in.	0	0	0.00K	0.00K
THOMSON	MCDUFFIE CO.	4/3/2006	17:05	EST	Hail	0.88 in.	0	0	0.00K	0.00K
THOMSON	MCDUFFIE CO.	4/19/2006	9:40	EST	Hail	0.88 in.	0	0	0.00K	0.00K
THOMSON	MCDUFFIE CO.	6/5/2007	14:23	EST-5	Hail	0.75 in.	0	0	0.00K	0.00K
THOMSON	MCDUFFIE CO.	6/11/2011	19:20	EST-5	Hail	0.88 in.	0	0	0.00K	0.00K
THOMSON	MCDUFFIE CO.	7/1/2012	15:30	EST-5	Hail	1.25 in.	0	0	15.00K	15.00K
THOMSON	MCDUFFIE CO.	7/1/2012	15:44	EST-5	Hail	1.25 in.	0	0	10.00K	10.00K
THOMSON	MCDUFFIE CO.	5/21/2013	17:20	EST-5	Hail	1.00 in.	0	0	0.00K	0.00K
THOMSON	MCDUFFIE CO.	6/24/2015	14:25	EST-5	Hail	1.00 in.	0	0	0.00K	0.00K
THOMSON	MCDUFFIE CO.	7/8/2016	22:47	EST-5	Hail	0.88 in.	0	0	0.00K	0.00K
WRIGHTSBORO	MCDUFFIE CO.	7/27/2012	15:35	EST-5	Hail	0.88 in.	0	0	0.00K	0.00K

Location	Details	Date	Time	Type	Mag	Dth	Inj	PrD	CrD
1. McDuffie	.50 inches	Dec-58		snow					
2. McDuffie	1.5 inches	Feb-67		snow					
3. McDuffie	16.00 inches	Feb-73		snow					
4. McDuffie	2.50 inches	Feb-78		snow					
5. McDuffie	2.00 inches	Feb-80		snow					
6. McDuffie	.30 inches	Feb-81		snow					
7. McDuffie	.30 inches	Jan-82		snow					
8. McDuffie	.30 inches	Jan-83		snow					
9. McDuffie	3 inches	Feb-89		snow					
10. McDuffie	1.30 inches	Feb-96		snow					
11. McDuffie	3-5 inches	Jan-00		snow					
12. McDuffie	Four to 6 inches of snow fell over McDuffie county taking down trees and power lines	1/2/2002	9:32 PM	Ice Storm	N/A	0	0	0	0
13. McDuffie	An ice storm developed over the CSRA late Sunday night and Monday and produced 1/4-3/4 inch of ice. Many trees and power lines were down causing scattered power outages. About 100,000 homes were without power for several days. Four people were injured in traffic related accidents.	1/26/2004	6:45 AM	Ice Storm	N/A	0	4	0	0
14. McDuffie	Power outages to around 3000 customers An ice storm produced 1/4 to 3/4 inch of ice and sleet taking down trees and powerlines. Several power outages were reported along with numerous traffic accidents.	12/26/2004	5:00 AM	Ice Storm	N/A	0	0	0	0

15. McDuffie	An ice storm started late Friday night and continued off and on through Saturday night. Most areas received a quarter of an inch of ice on trees and other structures. Some areas received a quarter to a half an inch of ice. These areas had some power outages which were of short duration. Overpasses and bridges iced up but ground temperatures of roadways kept the rain from freezing on them. Still, there were many accidents from people losing control when driving over the bridges and overpasses.	1/29/2005	12:28 PM	Ice Storm	N/A	0	0	0	0	
16. McDuffie	EM reported 2-4 inches of snow across the county. A low pressure system tracked acros Northern Florida which produced heavy snow on the north side of the storm system. Snow fell from the Florida panhandle northeast to Virginia. Amounts in the CSRA ranged from 4-7 inches.	2/12/2010	17:00 PM	Winter Storm	NA	0	0	0	0	
MCDUFFIE (ZONE)	A low pressure system tracked acros Northern Florida which produced heavy snow on the north side of the storm system. Snow fell from the Florida panhandle northeast to Virginia. Amounts in the CSRA ranged from 4-7 inches. EM reported 3-5 inches of snow across the county.	2/12/2010	17:00	Winter Storm		0	0	0.00K	0.00K	

MCDUFFIE (ZONE)	A low pressure system moved through the Gulf of Mexico then up the east coast bringing snow to much of the Midlands of South Carolina and wester portions of the CSRA. Amounts ranged from 1 to 3 inches in McDuffie, Columbia, and Lincoln counties. Less than an inch was reported elsewhere in the CSRA.	12/26/2010	7:30	Winter Storm		0	0	0.00K	0.00K	
MCDUFFIE (ZONE)	A low pressure system moved through the Gulf of Mexico then up the east coast bringing snow to much of the Midlands of South Carolina and wester portions of the CSRA. Amounts ranged from 1 to 3 inches in McDuffie, Columbia, and Lincoln counties. Less than an inch was reported elsewhere in the CSRA. Law Enforcement and trained spotters reported 1 to 2 inches of snow across the northern half of the county.	12/26/2010	7:30	Winter Storm		0	0	0.00K	0.00K	
MCDUFFIE (ZONE)	A low pressure system moved through the Gulf of Mexico then up the east coast bringing snow to much of the Midlands of South Carolina and wester portions of the CSRA. Amounts ranged from 1 to 3 inches in McDuffie, Columbia, and Lincoln counties. Less than an inch was reported elsewhere in the CSRA.	1/10/2011	4:00	Winter Storm		0	0	0.00K	0.00K	

MCDUFFIE (ZONE)	A low pressure system moved through the Gulf of Mexico and across northern Florida producing snow, sleet and freezing rain across the southeast U.S. Heavy snow fell across the CSRA and lower Midlands of South Carolina with accumulations of 1 to 6 inches. Burke county had mainly sleet and freezing rain with ice accumulations of 1/2 inch. Power outages were reported througout the area but it wasn't widespread. Fire Dept. H! reported total snow accumulation of 2 to 3 inches in the northern portion of the county with 1 to 2 inches in the southern part. The snow was followed be freezing rain and drizzle with ice accumulations of 1/4 to 1/2 inch. Some power outages were also reported.	1/10/2011	4:00	Winter Storm		0	0	0.00K	0.00K	
MCDUFFIE (ZONE)	A low pressure system moving up the GA/SC coast produced freezing rain, sleet, and snow over the CSRA closing schools, businesses, and some highways. Snow amounts of 1 to 3 inches were common across the area. A winter storm produced sleet and snow across McDuffie County causing hazardous traveling conditions. Snow/sleet accumulations ranged from 1 to 3 inches across the county.	1/28/2014	18:00	Heavy Snow		0	0	0.00K	0.00K	

MCDUFFIE (ZONE)	A major winter storm spread into Georgia and South Carolina producing up to 1 inch of ice taking down trees, powerlines, and causing damage to other structures. Just about everything came to a standstill as federal, state, county, and city governments closed along with schools and businesses. Power outages were widespread and it took up to four days to restore in some areas. A major Ice Storm produced 1/2 to 3/4 inch of ice and around 2 inches of snow and sleet across McDuffie County taking down numerous trees and powerlines. Power outages were widespread across the county affecting most of the population.	2/12/2014	6:00	Ice Storm		0	0	0.00K	0.00K	

MCDUFFIE COUNTY
PRE-DISASTER MITIGATION PLAN UPDATE
IN-KIND CONTRIBUTION FORM

NAME (Please Print): _____

ORGANIZATION: _____

DATE(S): _____

EVENT: ____Mitigation Plan Update_____

HOURS CONTRIBUTED (Include travel time): _____

HOURLY SALARY: _____

NOTE: salary includes hourly rate plus benefits

TOTAL IN-KIND MATCH (Hours Contributed X Hourly Salary):_____

SIGNATURE: _____

(FORM IS NOT VALID WITHOUT SIGNATURE)

This form is for use by Volunteers (e.g. Red Cross)

Georgia Emergency Management Agency
Labor Expense Summary

1. APPLICANT	2. Disaster Number	3. Period Covering	Page Of
4. Purpose/Work Performed		5. Program	

STAFF		DATES AND HOURS WORKED								COSTS		
		DATE								TOTAL HOURS	HOURLY RATE	TOTAL COSTS
NAME	TITLE	Hours								0	$ -	$ -
NAME	TITLE	Hours								0	$ -	$ -
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NAME	TITLE	Hours								0	$ -	$ -
NAME	TITLE	Hours								0	$ -	$ -
NAME	TITLE	Hours								0	$ -	$ -
											Total Cost for Labor Time	$ -

I CERTIFY THAT THE ABOVE INFORMATION WAS OBTAINED FROM PAYROLL RECORDS, INVOICES OR OTHER DOCUMENTS THAT ARE AVAILABLE FOR AUDIT.

I CERTIFY THAT THE ABOVE COSTS ARE NOT BEING USED FOR LOCAL MATCH FOR ANOTHER FEDERAL GRANT.

Signature	TITLE	DATE