



The S.D.O Fire Department Community Wildfire Protection Plan

AN ACTION PLAN FOR WILDFIRE MITIGATION

Date: 3/1/2010

Prepared By: Doug Thompson
Organization: North Carolina Forest Service
Contact Information:
Address: 519 Airport Road
Rutherfordton, NC 28139
Phone: 828-286-9201
E-Mail: larry.thompson@ncagr.gov
Fax:

DOI Name:
DOI Number:

This plan is a collaborative effort between various entities. The signing representatives listed in this plan comprise the core decision-making team responsible for this report and mutually agree on the plan's contents and are committed to act on its recommendations. The objectives are to set clear priorities for the implementation of wildfire mitigation in this fire district. This includes prioritized recommendations for the fire district as a whole and also for community members where appropriate.

CWPP Signature Page(s)

Fire Department Representative

Name: Greg Ruppe
Address: 115 Toms Lake Road
Forest City, NC 28043
Phone Number: 828-245-4352
E-Mail:

Signature: _____ Signed? Yes

County Fire Marshal

Name: Roger Hollifield
Address: 6306 Bostic/Sunshine Highway
Bostic, NC 28018
Phone Number: 828-245-1935
E-Mail:

Signature: _____ Signed? Yes

North Carolina Forest Service

Name: Doug Thompson
Address: 519 Airport Road
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Phone Number: 828-286-9201
E-Mail: larry.thompson@ncagr.gov

Signature: _____ Signed? Yes

North Carolina Community Wildfire Protection Plan

The following federal and other interested parties were consulted and involved in the preparation of this report.

<u>Name</u>	<u>Organization</u>
<u>Mutual Aid</u>	
<u>Number</u>	<u>Name</u>
NC10095158	CLIFFSIDE FD
NC10095371	FOREST CITY
NC10095446	GREEN CREEK FD
NC10096035	RUTHERFORDTON
NC10096070	SANDYMUSH FD

PLAN CONTENTS

- 1) Fire District, History and Pre-Attack Information**
- 2) Fire District Base Map and Other Visual Aids**
- 3) Recommendations and Action Items**
- 4) Additional Comments**
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S.D.O Fire Department

1) FIRE DISTRICT AND PRE-ATTACK INFORMATION

A. PRIMARY FIRE STATION:

County: Rutherford **County ID Number:** 081
Name: S.D.O - 28
Latitude: 35.28798 **Longitude:** -81.90627
Street: 115 Toms Lake Road
City: Forest City **State:** NC **Zip Code:** 28043
Mailing Address (if different):
City: **State:** **Zip Code:**
Phone Number: 828-245-4352 **Fax Number:**
Email Address:
Ground Directions: 221 South, fire house will be at the corner of Toms Lake Rd and 221 South.

B. RESOURCE CAPACITY:

PERSONNEL

Number of Paid Firefighters:	1	Number of Volunteer Firefighters:	30
Number Trained in Wildland Fire:	12	Number Trained in Fire Prevention:	15
Number Trained in Hazard Assessment:	2	Number of Pick Up Firefighters (if Applicable):	2

EQUIPMENT

Apparatus Type	Description	Quantity
Water Tender Type 3	2815, 2817	2
Engine Type 6	2821, 2820	2
Engine Type 1	2812, 2811	2

C. INCIDENT PLANS AND INTELLIGENCE

INCIDENT MANAGEMENT INFRASTRUCTURE LOCATION(S)

1 Incident Command Post (ICP): 211 Flea Market
ICP Latitude: 35.29545 **ICP Longitude:** -81.91106
ICP Street Address:
City: Forest City **State:** NC **Zip Code:** 28043
Paved Parking Acres: 1 **Unpaved Parking Acres:** 2 **Entrances:** 2
Buildings: 2 **Indoor Square Footage:** 1200
 Utilities (Water/Sewer) **Telephone Service** **Internet Service**
Ground Directions: 211 South to Bethany Church Rd
Comments: Large gravel parking area.

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1 **Staging Area:** Harris Race Track
Latitude: 35.23615 **Longitude:** -81.87579
Street Address: 921 Jack Mckinney Rd
City: Rutherfordton **State:** NC **Zip Code:** 28139
Paved Parking Acres: 0 **Unpaved Parking Acres:** 2 **Entrances:** 1
Buildings: 0 **Indoor Square Footage:** 0
 Utilities (Water/Sewer) **Telephone Service** **Internet Service**
Ground Directions: 221 South to Jack Mckinney Rd. Then track will be 3 miles down on left.
Comments: If Internet is required, aircards need to be brought.

1 **Nearest Medical Facility:** Rutherford Hospital
Latitude: 35.36234 **Longitude:** -81.96616 **Phone Number:** 828-286-5000
Street Address: 288 South Ridgecrest
City: Rutherfordton **State:** NC **Zip Code:** 28139
Trauma Center Level: NA **Facility Has Burn Unit** **Facility Has Air Service**
Medical Facility Type: Primary Care (Hospital)
Ground Directions: Hwy 221 to N. Washington st and turn on to Maple St. Hospital will be at the end of the road

2 **Nearest Medical Facility:** Wake Forest Baptist Medical Center
Latitude: 36.09017 **Longitude:** -80.27126 **Phone Number:** 336-716-2255
Street Address: 131 Miller Street
City: Winston-Salem **State:** NC **Zip Code:** 27517
Trauma Center Level: I **Facility Has Burn Unit** **Facility Has Air Service**
Medical Facility Type: Primary Care (Hospital)
Ground Directions: Just south of Hwy 421/I-40-Business in Winston-Salem.

3 **Nearest Medical Facility:** Carolina Medical Center - Charlotte
Latitude: 35.20395 **Longitude:** -80.83908 **Phone Number:** 704-355-2000
Street Address: 1000 Blythe Boulevard
City: Charlotte **State:** NC **Zip Code:** 28203
Trauma Center Level: I **Facility Has Burn Unit** **Facility Has Air Service**
Medical Facility Type: Primary Care (Hospital)
Ground Directions: From Harrisburg, head south on NC 49. Turn right to merge onto E WT Harris Blvd. Turn right.

VEHICLE ACCESS

Roads Paved (Percentage): 75 - 99%
Average Road Grade: 0 - 9%
Maximum Road Grade: 10 - 19%
Maximum time to provide fire services to community: 10 - 14 Minutes

AVIATION

Airport

Three Letter Designation

RUTHERFORD CO - MARCHMAN FIELD

FQD

Manager:

Latitude: 35.42820 **Longitude:** -81.93510 **Has Fuel: Jet A** **Has Fuel: Aviation Gasoline**

CTAF/UNICOM: CTAF/UNICOM: 122.8 **Elevation:** 1,077 ft

Runway: Length 5,000 ft **Width** 100 ft **Surface Type** Paved

Ground Directions:

HELICOPTER LANDING ZONES

- 1 **Helispot:** Lambs Grill **Capacity:** Type 1 - 3
Latitude: 35.19432 **Longitude:** -81.95890
Ground Directions: 221 South to Poors Ford Rd, Cross county line back into county and Lambs grill Rd will be on the Left.
Comments: Look for large Parking lot.
-

WATER RESOURCES

Percent of Fire District in reach of hydrants or connected to county water: 25 - 49%

- 1 **Water Source:** Cat Fish Farm **Contact Telephone:** 8282458310
Uses: Ground: True **Helicopter:** True **Fixed-Wing Use:** False
Type: Lake **Water Source Access:** Private (Restricted)
Latitude: 35.24828 **Longitude:** -81.89526
Ground Directions: Hwy 221S to Jack McKinney Rd. Turn onto Harris Holly Springs Rd to the 500 block.
Comments: Contact is Candise Appling
-
- 2 **Water Source:** Dan River **Contact Telephone:**
Uses: Ground: True **Helicopter:** True **Fixed-Wing Use:** False
Type: Pond **Water Source Access:** Private
Latitude: 35.21216 **Longitude:** -81.88831
Ground Directions: 221 to Jack McKinney Rd. Plant will be on the left of the road before the bridge.
Comments: Sign in front of plant says Inman Sod, Hydrants and a pond
-

D. COMMUNITY INFORMATION

FIRE DISTRICT SIZE & DEMOGRAPHICS

Estimated Acres: 37,700 Number of Lots: 8,000
 Number of Structures: 4,000 Percentage Residential: 40 %
 Estimated Population Growth (next 30 Years): Average
 Majority Population is Full-Time: True **If NOT Full Time please indicate what Percentage of Population is part-time**

HAZARD ASSESSMENT RATING (from NFPA 1144): Moderate

WILDFIRE HISTORY & FUEL TYPE

Relative Frequency: Average 7 fires per year
 Common Causes: Debris burning and Arson
 Area of Future Concern: Development on the Polk county line.
 Additional Comments:
 Dominant Vegetation (Fuel Type): Hardwood Litter
 Dominant Building Construction Type: Wood frame construction
 Wildfire History or Fuel Type Notes: Scattered concentrations of large loblolly pine plantation

2) FIRE DISTRICT BASE MAP AND OTHER VISUALS

Minimally should include fire district boundary, major roads, fire Stations, ICPs, staging areas, medical facilities, helispots, water resources, and local, state, and federal ownership boundaries on the base map. May want to include: major land marks, police stations, evacuations routes, forest service offices, and large forest land parcel boundaries. Attach or insert community base map and other visuals.

3) RECOMMENDATIONS AND ACTION ITEMS

A. FUEL MITIGATION SITES

1 Project Name: Big Island Plantation **Acres:** 1,741
Latitude: 35.23156 **Longitude:** -81.93755
Landowner Name: Big Island Plantation **Dominant Fuel Type:** Closed Timber Litter
Planning Office: NCFS **Risks:** potential for large fire growth that could spread into residences areas before adequate resources can arrive.

Mitigation Action

Action	Planned Date	Completed Date	Funding Source	Activity to be Completed by
Hazard reduction burn	3/1/2011		ARRA	NCFS or private contactor

Notes:

2 Project Name: river stone **Acres:** 800
Latitude: 35.20226 **Longitude:** -81.87460
Landowner Name: Galax, Forest City, Inman Sod **Dominant Fuel Type:** Closed Timber Litter
Planning Office: NCFS **Risks:** Large area of contiguous woods with many ignition sources. Area has urban interface, a rail road, major highway and industrial complex which would be impacted.

Mitigation Action

Action	Planned Date	Completed Date	Funding Source	Activity to be Completed by
Construct fire lines and preform hazard reduction burns	3/30/2020		CWPP or ARRA	NCFS or private contractors

Notes:

B. AREAS OF CONCERN

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1 Area Name: River stone **Hazard Rating:** High
Latitude: **Longitude:** **Number of Homes:** 15 **Number of Lots:** 30
Dominant Fuel Type: Closed Timber Litter **Contact Person:** Greg Ruppe
Address: 115 Tom's Lake Rd
City: Forest City **State:** NC **Zip Code:** 28043
Dominant Risk: large block of timber ringed with homes and industry with a rail road running through the middle of the stand.
Notes:

Wildfire Hazard & Risk Assessment - Average Scores						
Means of Access	Vegetation	Roofing Assembly	Placement of Utilities			
Ingress and Egress	1 Predominant Veg.	9	Roof Composition	1	Placement of Utilities	5
Road Width	1 Fuel Clearance Zone	1	Building Construction	Total		
All-Season Road Cond.	3 Topography		Building Construction	2	Total Number of Scoresheets Completed	1
Fire Service Access	5 Slope	4	Building Setback	2	Total Points	60
Fire Service Turnaround	5 Additional Rating Factors		Available Fire Protection			
Street Signs	1 Miscellaneous	5	Water Source Avail.	5		
			Organized Response	5		
			Fixed Fire Protection	5		

Action Items

Action	Category: Fuel Reduction	Planned Date	Completed Date	Activity to be Completed by
Fire Lines and Hazard Reduction Burn		3/30/2020		NCFS

Notes:

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2 Area Name: S.D.O. North **Hazard Rating:** Low
Latitude: 35.31781 **Longitude:** -81.93196 **Number of Homes:** 600 **Number of Lots:** 1,200
Dominant Fuel Type: Short Grass **Contact Person:** Greg Ruppe
Address: 115 Toms Lake Road
City: Forest City **State:** NC **Zip Code:** 28043
Dominant Risk: low due to urbanization
Notes:

Wildfire Hazard & Risk Assessment - Average Scores							
Means of Access		Vegetation		Roofing Assembly		Placement of Utilities	
Ingress and Egress	0	Predominant Veg.	10	Roof Composition	3	Placement of Utilities	5
Road Width	0	Fuel Clearance Zone	1	Building Construction	Total		
All-Season Road Cond.	0	Topography		Building Construction	5	Total Number of Scoresheets Completed	2
Fire Service Access	1	Slope	1	Building Setback	1	Total Points	40
Fire Service Turnaround	1	Additional Rating Factors	Available Fire Protection				
Street Signs	0	Miscellaneous	4	Water Source Avail.	0		
				Organized Response	3		
				Fixed Fire Protection	5		

Action Items

Action	Category:	Planned Date	Completed Date	Activity to be Completed by
Smokey Bear presentation	Awareness	1/1/2011		NCFS

Notes:

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3 Area Name: SDO south **Hazard Rating:** Moderate
Latitude: 35.25103 **Longitude:** -81.90132 **Number of Homes:** 900 **Number of Lots:** 1,800
Dominant Fuel Type: Hardwood Litter **Contact Person:** Greg Ruppe
Address: 115 Toms Lake Road
City: Forest City **State:** NC **Zip Code:** 28043

Dominant Risk: A very large area for the FD to cover, many homes located off the main roads and large pine plantations adjacent to structures

Notes:

Wildfire Hazard & Risk Assessment - Average Scores

Means of Access	Vegetation	Roofing Assembly	Placement of Utilities
Ingress and Egress	0 Predominant Veg. 10	Roof Composition 3	Placement of Utilities 5
Road Width	2 Fuel Clearance Zone 3	Building Construction	Total
All-Season Road Cond.	4 Topography	Building Construction 10	Total Number of Scoresheets Completed 2
Fire Service Access	4 Slope 1	Building Setback 1	Total Points 60
Fire Service Turnaround	4 Additional Rating Factors	Available Fire Protection	
Street Signs	0 Miscellaneous 2	Water Source Avail. 3	
		Organized Response 3	
		Fixed Fire Protection 5	

Action Items

Action	Category: Fuel Reduction	Planned Date	Completed Date	Activity to be Completed by
Hazard Reduction burn on pine stands to reduce risk and fuel loading.		1/1/2011		NCFS or private contractor

Notes:

C. FIRE PREVENTION PROGRAMS

1 Project Name: Smokey the Bear

Population Reached: Harris Elementary

Project Description: Fire prevention

Age Group Targeted (select all that apply)	>50	50 - 35	34 - 20	19 - 15	14 - 10	9 - 6	<6
	True	False	False	False	True	True	True

Community(s) Targeted (if applicable): S.D.O.

Action

Action	Planned Date	Completed Date	Funding Source	Activity to be Completed by
	1/1/2012		NCFS	NCFS

Notes: This will be a re-occurring event

D. PREPAREDNESS ACTIONS

1 Preparedness Item: SDO Equipment

Planning Office: SDO VFD

Preparedness Need: Two new chainsaws to replace the aging ones that are starting to experience mechanical issues and one leaf blower to assist in fire line construction during fire season. Also PPE for firefighters, webgear, shelters.

Preparedness Action

Category	Planned Date	Completed Date	Funding Source	Activity to be Completed by
Equipment Purchase Action Purchase two Stihl MS260 saws; purchase one back pack leaf blower and purchase 5 sets of Nomex, webgear with shelters and replacement tools	8/3/2010	8/3/2011	HLS Grants, 50/50 or RFDA grants.	NCFS or Fire Department

Notes:

2 Preparedness Item: Smokey suit

Planning Office: NCFS

Preparedness Need: A new Smokey the Bear suit for the county fire prevention program

Preparedness Action

Category	Planned Date	Completed Date	Funding Source	Activity to be Completed by
Equipment Purchase Action A new Smokey the Bear suit for the county fire prevention program	1/1/2011		ARRA	NCFS

Notes:

3 Preparedness Item: Training

Planning Office: NCFS

Preparedness Need: Increase the amount of wildland related training in this fire district.

Preparedness Action

Category	Planned Date	Completed Date	Funding Source	Activity to be Completed by
Other Action Instruct on basic wildland classes (S-130,S-131 and S-190) and expand training to include Urban Interface S-215	1/1/2012	1/1/2013	NCFS	NCFS

Notes:

4 Preparedness Item: Zone tractor

Planning Office: NCFS

Preparedness Need: Zone tractor to cover Rutherford and Cleveland counties provide faster and more effective response to these areas.

Preparedness Action

Category	Planned Date	Completed Date	Funding Source	Activity to be Completed by
Equipment Purchase Action purchase a type 2 tractor and hauling unit	1/1/2011	1/1/2011	ARRA	NCFS

Notes:

4) ADDITIONAL COMMENTS:

5) ATTACHMENTS: