



The Glenwood Fire District Community Wildfire Protection Plan

AN ACTION PLAN FOR WILDFIRE MITIGATION

Date: 12/20/2010

Prepared By: J. Scott Ellis
Organization: North Carolina Division of Forest Resources

Contact Information:

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DOI Name: GLENWOOD FD

DOI Number: NC10095423

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)

County Government Representative

Name: Terry Young
Address: 60 East Court Street
Marion, NC 28752
Phone Number: 828-652-3982
E-Mail: terry.young@mcdowellgov.com
Signature: _____ Signed? Yes

Fire Department Representative

Name: Donnie Tipton
Address: 1745 Old US 221 South
Marion, NC 28752
Phone Number: 828-442-4854
E-Mail: dtipton@mcdowellems.com
Signature: _____ Signed? Yes

North Carolina Division of Forest Resources Representative

Name: J. Scott Ellis
Address: 151 Agricultural Services Drive
Marion, NC 28752
Phone Number: 828-652-2636
E-Mail: mcdowell.dfr@ncdenr.gov
Signature: _____ Signed? Yes

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

<u>Name</u>	<u>Organization</u>
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Mutual Aid

<u>Number</u>	<u>Name</u>
NC10096204	SUGAR HILL FD
NC10095691	MARION
NC10095270	DYSARTSVILLE 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
- 5) Attachments

All Longitude (-78.23456) and Latitude (35.23456) entries in this plan must be in decimal degrees with five degree points after the decimal.

Glenwood Fire District**1) FIRE DISTRICT AND PRE-ATTACK INFORMATION****A. PRIMARY FIRE DEPARTMENT (PFD):**

County: McDowell **County ID Number:** 059
PFD Name: Glenwood
PFD Latitude: 35.61186 **PFD Longitude:** -81.98155
PFD Street: 1745 Old US 221 South
City: Marion **State:** NC **Zip Code:** 28752
PFD Mailing Address (if different than Street Address): NA
City: NA **State:** NC **Zip Code:**
PFD Phone Number: 828-738-4666 **PFD Fax Number:** NA
PFD Email Address: dtipton@mcdowellems.com
Ground Directions: I-40 Exit 85, Travel South on US-221 for .5 miles, Left on Old US-221 for 1.7 miles to Fire Department.

B. PFD RESOURCE CAPACITY:**PERSONNEL**

Number of Paid Firefighters:	0	Number of Volunteer Firefighters:	30
Number Trained in Wildland Fire:	29	Number Trained in Fire Prevention:	0
Number Trained in Hazard Assessment:	0	Number of Pick Up Firefighters (if Applicable):	5

EQUIPMENT

Apparatus Type	Description	Quantity
Crew Truck	support vehicle - crew truck	1
Engine Type 6	300 gpm 200 gal tank	1
Engine Type 6	300 gpm 300 gal tank	1
Engine Type 1	1250 gpm 1250 gal tank	1
Engine Type 1	1500 gpm 1000 gal tank	1
Engine Type 1	1250 gpm 1000 gal tank	1

C. INCIDENT PLANS AND INTELLIGENCE**INCIDENT MANAGEMENT INFRASTRUCTURE LOCATION(S)**

1 Incident Command Post (ICP): Glenwood Fire Department
ICP Latitude: 35.61186 **ICP Longitude:** -81.98155
ICP Street Address: 1745 Old US 221 South
City: Marion **State:** NC **Zip Code:** 28752
Paved Parking Acres: 2 **Unpaved Parking Acres:** **Entrances:** 2
Buildings: 1 **Indoor Square Footage:** 3000
☒ **Utilities (Water/Sewer)** ☒ **Telephone Service** ☒ **Internet Service**
Ground Directions: I-40 Exit 85, Travel South on US-221 for .5 miles, Left on Old US-221 for 1.7 miles to Fire Department.

Comments:

North Carolina Community Wildfire Protection Plan

1 Staging Area (SA) Glenwood Elementary

SA Latitude: 35.61303 **SA Longitude:** -81.98013

SA Street Address: 1545 Old 221 South

City: Marion

State: NC

Zip Code: 28752

Paved Parking Acres: 2

Unpaved Parking Acres: 2

Entrances: 2

Buildings:

Indoor Square Footage:

☒ **Utilities (Water/Sewer)**

☒ **Telephone Service**

☒ **Internet Service**

Ground Directions: I-40 Exit 85, Travel South on US-221 for .5 miles, Left on Old US-221 for 1.7 miles to Elementary School. Which is next door to Fire Department.

Comments: Parking lot behind School
828-652-4535

1 Nearest Medical Facility (NMF): McDowell Hospital

NMF Latitude: 35.66361

NMF Longitude: -82.02818

Phone Number: (828) 659-5000

NMF Street Address: 430 Rankin Drive

City: Marion

State: NC

Zip Code: 28752

Trauma Center Level: NA

☐ **Facility Has Burn Unit**

☐ **Facility Has Air Service**

Medical Facility Type: Primary Care (Hospital)

Ground Directions: I-40 exit Sugar Hill Rd north. Left on Rankin Dr.

2 Nearest Medical Facility (NMF): Mission Hospital - Memorial Campus

NMF Latitude: 35.57750

NMF Longitude: -82.54989

Phone Number: (828) 213-4181

NMF Street Address: 509 Biltmore Avenue

City: Asheville

State: NC

Zip Code: 28801

Trauma Center Level: II

☐ **Facility Has Burn Unit**

☒ **Facility Has Air Service**

Medical Facility Type: Primary Care (Hospital)

Ground Directions: From Marion travel south on Sugar Hill Rd. Turn right to merge onto I-40 W. Take exit 51 for Sweeten Creek Rd/US-25A toward Asheville. Turn right at Sweeten Creek Rd. Turn right at Hendersonville Rd. Continue onto Biltmore Ave. Destination will be on the left

3 Nearest Medical Facility (NMF): Baptist Hospital

NMF Latitude: 36.08930

NMF Longitude: -80.27090

Phone Number: (336) 716-2011

NMF Street Address: Medical Center Blvd

City: Winston Salem

State: NC

Zip Code: 27103

Trauma Center Level: I

☒ **Facility Has Burn Unit**

☒ **Facility Has Air Service**

Medical Facility Type: Primary Care (Hospital)

Ground Directions: From Marion. Travel on NC 226 S/US-221 BUS S/Rutherford Rd. Turn left to merge onto I-40 E toward Morganton. Take exit 188 on the left for I-40 BUS/US-421 S toward Winston - Salem/Downtown. Merge onto US-421 S. Take exit 4 for Cloverdale Ave. Slight left at Medical Center Blvd.

VEHICLE ACCESS

North Carolina Community Wildfire Protection Plan

Roads Paved (Percentage): 75 - 99%
Average Road Grade: 0 - 9%
Maximum Road Grade: 20 - 44%
Maximum time to provide fire services to community: 10 - 14 Minutes

AVIATION

Airport	Three Letter Designation	Degrees From ICP	Miles From ICP
Asheville Regional Airport	AVL	0	0
Latitude: 35.43619	Longitude: -82.5418	<input checked="" type="checkbox"/> Has Fuel: Jet A	<input checked="" type="checkbox"/> Has Fuel: Aviation Gasoline
Ground Directions:	61 Terminal Drive, Suite 1 Fletcher, NC 28732		
Comments:	Manager - Lew Bleiweis 828-684-2226 8,001' runway		
Hickory Regional Airport	HKY	0	0
Latitude: 35.74127	Longitude: -81.38949	<input checked="" type="checkbox"/> Has Fuel: Jet A	<input checked="" type="checkbox"/> Has Fuel: Aviation Gasoline
Ground Directions:	I-40 East. Exit 123B onto US-321 north. Left onto Clement Blvd NW. Right onto 9th Ave Drive NW. Airport will be on left.		
Comments:	Manager - Terry Clark 828-323-7408 4,400' runway		
Shiflet Field	9A9	0	0
Latitude: 35.72067	Longitude: -82.00983	<input type="checkbox"/> Has Fuel: Jet A	<input type="checkbox"/> Has Fuel: Aviation Gasoline
Ground Directions:	From Marion, head north on N Main Street. Turn right on Creek St. Turn left on Garden Creek Rd. Turn right on Holly St. Turn left on Airport Rd. Airport will be at end of road.		
Comments:	Manager - Vincent Raktis 828-655-1306 3,340' grass land strip		

HELICOPTER LANDING ZONES

1 Helispot:	Glenwood Elementary School	Capacity:	Type 1 - 3
Latitude:	35.61152	Longitude:	-81.97964
Ground Directions:	I-40 Exit 85, Travel South on US-221 for .5 miles, Left on Old US-221 for 1.7 miles to School just beside Fire Department.		
Comments:	baseball field behind school		
2 Helispot:	Goose Creek Road	Capacity:	Type 1 - 3
Latitude:	35.63016	Longitude:	-82.04281
Ground Directions:	From Glenwood VFD, Travel North on US-221, Left onto Glenwood Baptist Church Road, Continue on Goose Creek Road for 3.75 miles, LZ will be a field on left.		
Comments:	Field along side Road		

WATER RESOURCES

Percent of Fire District in reach of hydrants or connected to county water: 0 - 24%

-
- 1 **Water Source:** Ashworth Road **Contact Telephone:** (828) 738-3810
Uses: **Ground:** Yes **Helicopter:** Yes **Fixed-Wing Use:** No
Type: Lake **Water Source Access** Private
Latitude: 35.62900 **Longitude:** -82.00133
Ground Directions: From Glenwood VFD, Travel North on Old US-221 for 1 mile, Turn Left onto Ashworth Road go 1 mile, Lake will be on Left.
- Comments:**
-
- 2 **Water Source:** Flee Blake Road **Contact Telephone:** (828) 738-4899
Uses: **Ground:** Yes **Helicopter:** No **Fixed-Wing Use:** No
Type: Pond **Water Source Access** Private
Latitude: 35.62464 **Longitude:** -82.02385
Ground Directions: From Glenwood VFD, Travel North on Old US-221, 1st Right onto Glenwood Baptist Church Road continue on Goose Creek Road for 2.5 miles, Pond will be on Right.
- Comments:**
-
- 3 **Water Source:** Goose Creek Road **Contact Telephone:** (828) 738-5881
Uses: **Ground:** Yes **Helicopter:** No **Fixed-Wing Use:** No
Type: Dry Hydrant **Water Source Access** Private
Latitude: 35.62165 **Longitude:** -82.02057
Ground Directions: From Glenwood VFD, Travel North on Old US-221, 1st Right onto Glenwood Baptist Church Road continue on Goose Creek Road for 2.25 miles, Dry Hydrant will be on Right.
- Comments:**
-
- 4 **Water Source:** Grants Mountain Road **Contact Telephone:**
Uses: **Ground:** Yes **Helicopter:** No **Fixed-Wing Use:** No
Type: Tank/Cistern **Water Source Access** Private
Latitude: 35.65505 **Longitude:** -81.99145
Ground Directions: From Glenwood VFD, Travel North on Old US-221 for 1 mile, Left onto Ashworth Road go 2 miles, Turn Right onto Grants Mountain Road go 2.25 miles, Turn Left onto Mountain Crest Drive South, Tank will be .3 miles down the road.
- Comments:** 8,000 gallons
-
- 5 **Water Source:** Lucky Strike Campground **Contact Telephone:** (828) 738-4893
Uses: **Ground:** Yes **Helicopter:** No **Fixed-Wing Use:** No
Type: Pond **Water Source Access** Private
Latitude: 35.54812 **Longitude:** -81.96178
Ground Directions: From Glenwood VFD, Travel South on Old US-221 for 2 miles, Turn Left onto US-221 for 2.5 miles, Pond will be in Camp Ground on left.
- Comments:** Small pond-draft point
-

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6 Water Source: Mengous Lake **Contact Telephone:**
Uses: **Ground:** Yes **Helicopter:** Yes **Fixed-Wing Use:** No
Type: Pond **Water Source Access** Private
Latitude: 35.57402 **Longitude:** -81.99377
Ground Directions: From Glenwood VFD, Travel South on Old US-221 for approx 1.75 mile, Turn Right onto Mud Cut Road go approx 1 mile, Left onto Bethel Church Road go approx 1 mile, Turn Left on Beaver Creek Road .25 miles down the Road to first stream.

Comments:

7 Water Source: North Muddy Creek **Contact Telephone:** (828) 442-2123
Uses: **Ground:** Yes **Helicopter:** No **Fixed-Wing Use:** No
Type: Dry Hydrant **Water Source Access** Private
Latitude: 35.61047 **Longitude:** -81.98181
Ground Directions: From Glenwood VFD, Travel Old 221 South - 500 ft. south of VFD

Comments:

8 Water Source: Old Glenwood Road **Contact Telephone:** (828) 738-3585
Uses: **Ground:** Yes **Helicopter:** No **Fixed-Wing Use:** No
Type: Dry Hydrant **Water Source Access** Private
Latitude: 35.63112 **Longitude:** -81.96442
Ground Directions: From Glenwood VFD, Travel North on Old US-221 for approx .25 miles, Right onto Glenwood Road, Take 2nd Left onto Old Glenwood Road go approx 1.25 miles to Dry Hydrant

Comments:

9 Water Source: Randolph Lake **Contact Telephone:** (828) 738-4969
Uses: **Ground:** Yes **Helicopter:** No **Fixed-Wing Use:** No
Type: Dry Hydrant **Water Source Access** Private
Latitude: 35.61739 **Longitude:** -81.99024
Ground Directions: From Glenwood VFD, Travel North on Old US-221, Take 1st Left onto Glenwood Baptist Church Road continue on Goose Creek Road for approx .4 miles, Turn Right onto Lakeview Drive, Lake will be on right in .25 miles.

Comments: Too many houses for helicopter

10 Water Source: Spooky Hollow Road **Contact Telephone:**
Uses: **Ground:** Yes **Helicopter:** No **Fixed-Wing Use:** No
Type: Dry Hydrant **Water Source Access** Private
Latitude: 35.57690 **Longitude:** -81.98269
Ground Directions: From Glenwood VFD, Travel South on Old US-221 for approx 2 miles, Turn Right onto US 221, 1st Left onto Spooky Hollow Road go approx .4 miles to Dry Hydrant.

Comments:

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11 Water Source: Universal Lake **Contact Telephone:** (282) 442-6159
Uses: **Ground:** No **Helicopter:** Yes **Fixed-Wing Use:** No
Type: Pond **Water Source Access:** Private
Latitude: 35.64827 **Longitude:** -81.96835
Ground Directions: From I-40 Exit 86, Travel South on NC-226, 1st Right onto College Drive, Pond at end of south of College Street.

Comments:

12 Water Source: W-12 - Huntsville Road **Contact Telephone:** (828) 659-2439
Uses: **Ground:** Yes **Helicopter:** No **Fixed-Wing Use:** No
Type: Dry Hydrant **Water Source Access:** Private
Latitude: 35.61214 **Longitude:** -81.96575
Ground Directions: From Glenwood VFD, Travel North on Old US-221 go approx .25 miles, Turn Right onto Glenwood Drive go approx 4 miles, Turn Right onto Huntsville Road go approx .6 miles to Dry Hydrant.

Comments:

13 Water Source: W-13 - Mud Cut Loop **Contact Telephone:**
Uses: **Ground:** Yes **Helicopter:** No **Fixed-Wing Use:** No
Type: Other **Water Source Access:** Private
Latitude: 35.59983 **Longitude:** -81.97540
Ground Directions: From Glenwood VFD, Travel South on Old US-221 go approx .5 miles, Turn Left on Mud Cut Loop go .4 miles, Draft Point at Bridge.

Comments: Type-Draft Point

14 Water Source: W-14 - Mud Cut Road **Contact Telephone:**
Uses: **Ground:** Yes **Helicopter:** No **Fixed-Wing Use:** No
Type: Dry Hydrant **Water Source Access:** Private
Latitude: 35.58625 **Longitude:** -82.00497
Ground Directions: From Glenwood VFD, Travel South on Old US-221 approx 1.75 miles, Turn Right onto Mud Cut Road go approx 1.75 miles to Dry Hydrant at Second Broad River.

Comments:

15 Water Source: W-15 - Old Neal Road **Contact Telephone:** (828) 652-7121
Uses: **Ground:** Yes **Helicopter:** No **Fixed-Wing Use:** No
Type: River/Stream **Water Source Access:** Private
Latitude: 35.60990 **Longitude:** -81.99564
Ground Directions: From Glenwood VFD, Travel South on Old US-221, Take 1st Right on Firehouse Way continue on New Hope Way, Left on Old Neal Road, 1st stream ahead.

Comments:

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16 Water Source: W-16 - Quail Hollow Drive **Contact Telephone:**
Uses: **Ground:** Yes **Helicopter:** Yes **Fixed-Wing Use:** No
 Type: Pond **Water Source Access** Private
Latitude: 35.62257 **Longitude:** -82.03714
Ground Directions: From Glenwood VFD, Travel North on Old US-221, 1st Left onto Glenwood Baptist Church Road continue on Goose Creek Rd for approx 3.5 miles, Left onto Quail Hollow Drive, Pond at end of road.

Comments:

17 Water Source: W-17 - Bethel Church Road **Contact Telephone:**
Uses: **Ground:** Yes **Helicopter:** No **Fixed-Wing Use:** No
 Type: River/Stream **Water Source Access** Private
Latitude: 35.58124 **Longitude:** -81.99452
Ground Directions: From Glenwood VFD, Travel South on Old US-221 for 1.75 miles, Right onto Mud Cut Road go 1 mile, Turn Left onto Bethel Church Road go approx .65 miles to stream.

Comments:

18 Water Source: W-18 - Arbutus Drive **Contact Telephone:**
Uses: **Ground:** Yes **Helicopter:** No **Fixed-Wing Use:** No
 Type: River/Stream **Water Source Access** Private
Latitude: 35.58893 **Longitude:** -81.99649
Ground Directions: From Glenwood VFD, Travel South on Old US-221 for 1.75 miles, Right onto Mud Cut Road go approx 1.15 miles to Stream on Arbutus Drive.

Comments:

19 Water Source: W-19 - Bethel Church Road Tank **Contact Telephone:**
Uses: **Ground:** Yes **Helicopter:** No **Fixed-Wing Use:** No
 Type: Tank/Cistern **Water Source Access** Private
Latitude: 35.57972 **Longitude:** -81.99460
Ground Directions: From Glenwood VFD, Travel South on Old US-221 for 1.75 miles, Right onto Mud Cut Road go 1 mile, Turn Left onto Bethel Church Road go approx .75 miles to Tank in Ground

Comments: 10,000 gal in ground tank

20 Water Source: W-21 - Huntsville Road **Contact Telephone:** (828) 652-7121
Uses: **Ground:** No **Helicopter:** Yes **Fixed-Wing Use:** No
 Type: Pond **Water Source Access** Private
Latitude: 35.59777 **Longitude:** -81.95559
Ground Directions: From Glenwood VFD, Travel North on Old US-221 for approx .25 miles, Turn Right onto Glenwood Drive go approx .4 miles, Turn Right onto Huntsville Road go approx 2 miles, Pond will be on Right.

Comments:

North Carolina Community Wildfire Protection Plan

21 Water Source: Wadkins Lake
Uses: **Ground:** Yes **Helicopter:** Yes **Contact Telephone:**
Type: Pond **Fixed-Wing Use:** No
Latitude: 35.54290 **Longitude:** -81.95901 **Water Source Access:** Private
Ground Directions: From Glenwood VFD, Travel South on Old US-221 for approx 2 miles, Turn Left onto US-221 go approx 1.25 miles, Turn Left Polly Spout Road go approx 2 miles, Pond will be on your left.

Comments:

D. COMMUNITY INFORMATION

FIRE DISTRICT SIZE & DEMOGRAPHICS

Estimated Acres: 22,255 **Number of Lots:** 2,024
Number of Structures: 1,536 **Percentage Residential:** 90%
Estimated Population Growth (next 30 Years): High
Majority Population is Full-Time: Yes **NA If NOT Full Time please indicate what Percentage of Population is part-time**

HAZARD ASSESSMENT RATING (from NFPA 1144): High

WILDFIRE HISTORY & FUEL TYPE

Relative Frequency: 5 to 10 Brush fires per year
Common Causes: rail road - debris
Area of Future Concern: Grants Mountain - Newer Development with extreme fire hazard
Additional Comments: Very rural department. Farmland in interspersed with large areas of mountainous woodland
Dominant Vegetation(Fuel Type): 9. Hardwood Litter
Dominant Building Construction Type: Single family homes, farm buildings
Wildfire History or Fuel Type Notes: Potential for large fires in remote mountains

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

B. COMMUNITIES AT RISK

1 Area Name: Apache Path **Hazard Rating:** High
Latitude: 35.63341 **Longitude:** -82.04217 **Number of Homes:** 232 **Number of Lots:** 253
Dominant Fuel Type: 9. Hardwood Litter **Community Contact Person:**
Address:
City: **State:** NC **Zip Code:**
Dominant Community Risk: Narrow roads with limited turn arounds structures in heavy fuel
Notes:

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Wildfire Hazard & Risk Assessment - Average Scores for Community

Means of Access		Vegetation		Roofing Assembly		Placement of Utilities	
Ingress and Egress	4	Predominant Veg.	20	Roof Composition	3	Placement of Utilities	5
Road Width	3	Fuel Clearance Zone	15	Building Construction		Total	
All-Season Road Cond.	2	Topography		Building Construction	10	Total Number of Scoresheets Completed	
Fire Service Access	5	Slope	4	Building Setback	0	Total Points	107
Fire Service Turnaround	5	Additional Rating Factors		Available Fire Protection			
Street Signs	5	Miscellaneous	10	Water Source Avail.	10		
				Organized Response	1		
				Fixed Fire Protection	5		

Action Items

Action	Category:	Planned Date	Completed Date	Activity to be Completed by
Evaluate areas for fuel reduction needs. If applicable, develop fuel mitigation plans and apply for cost share.	Referral to Mitigation Program	12/1/2011		DFR

Notes:

Action	Category:	Planned Date	Completed Date	Activity to be Completed by
Increase public awareness about wildfires through mailings & literature to reduce the risk of fires.	Awareness	12/1/2011		VFD & DFR

Notes:

2 Area Name:	Arrowood Drive			Hazard Rating:	High
Latitude:	35.58070	Longitude:	-81.97337	Number of Homes:	49
Dominant Fuel Type:	9. Hardwood Litter	Community Contact Person:		Number of Lots:	50
Address:					
City:		State:	NC	Zip Code:	
Dominant Community Risk:	Limited access, several roads 4x4 access only, trailer park, one way in, one way out, steep topography.				
Notes:					

Wildfire Hazard & Risk Assessment - Average Scores for Community

Means of Access		Vegetation		Roofing Assembly		Placement of Utilities	
Ingress and Egress	7	Predominant Veg.	20	Roof Composition	3	Placement of Utilities	5
Road Width	4	Fuel Clearance Zone	10	Building Construction		Total	
All-Season Road Cond.	2	Topography		Building Construction	10	Total Number of Scoresheets Completed	
Fire Service Access	5	Slope	4	Building Setback	0	Total Points	96
Fire Service Turnaround	5	Additional Rating Factors		Available Fire Protection			
Street Signs	0	Miscellaneous	5	Water Source Avail.	10		
				Organized Response	1		
				Fixed Fire Protection	5		

Action Items

North Carolina Community Wildfire Protection Plan

Action Category: Awareness Increase public awareness about wildfires through mailings & literature to reduce the risk of fires.	Planned Date 12/1/2011	Completed Date 	Activity to be Completed by VFD & DFR
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Notes:

Action Category: Referral to Mitigation Program Evaluate areas for fuel reduction needs. If applicable, develop fuel mitigation plans and apply for cost share.	Planned Date 12/1/2011	Completed Date 	Activity to be Completed by NCDFR
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Notes:

3 Area Name:	Chisham Trail	Hazard Rating:	High
Latitude:	35.63159	Longitude:	-82.02957
Dominant Fuel Type:	9. Hardwood Litter	Number of Homes:	9
Address:		Community Contact Person:	
City:		State:	NC
Dominant Community Risk:	Narrow steep road access Unsurfaced driveway	Zip Code:	
Number of Lots:			16

Notes:

Wildfire Hazard & Risk Assessment - Average Scores for Community							
Means of Access		Vegetation		Roofing Assembly		Placement of Utilities	
Ingress and Egress	7	Predominant Veg.	10	Roof Composition	3	Placement of Utilities	5
Road Width	4	Fuel Clearance Zone	10	Building Construction		Total	
All-Season Road Cond.	2	Topography		Building Construction	10	Total Number of Scoresheets Completed	
Fire Service Access	5	Slope	7	Building Setback	0	Total Points	89
Fire Service Turnaround	5	Additional Rating Factors		Available Fire Protection			
Street Signs	0	Miscellaneous	5	Water Source Avail.	10		
				Organized Response	1		
				Fixed Fire Protection	5		

Action Items

Action Category: Awareness Increase public awareness about wildfires through mailings & literature to reduce the risk of fires.	Planned Date 12/1/2011	Completed Date 	Activity to be Completed by VFD & DFR
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Notes:

Action Category: Referral to Mitigation Program Evaluate areas for fuel reduction needs. If applicable, develop fuel mitigation plans and apply for cost share.	Planned Date 12/1/2011	Completed Date 	Activity to be Completed by DFR
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Notes:

Action Category: Infrastructure Improvement Improve access by creating proper turn arounds.	Planned Date 12/1/2011	Completed Date 	Activity to be Completed by Community
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Notes:

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4 Area Name: Deer Meadow Area **Hazard Rating:** High
Latitude: 35.63268 **Longitude:** -81.95148 **Number of Homes:** 4 **Number of Lots:** 42
Dominant Fuel Type: 9. Hardwood Litter **Community Contact Person:**
Address:
City: **State:** **Zip Code:**
Dominant Community Risk: Limited fuel clearance zones, large areas of woodland around AOC, recent cutovers.
Notes:

Wildfire Hazard & Risk Assessment - Average Scores for Community

Means of Access		Vegetation		Roofing Assembly		Placement of Utilities	
Ingress and Egress	7	Predominant Veg.	20	Roof Composition	3	Placement of Utilities	0
Road Width	4	Fuel Clearance Zone	10	Building Construction		Total	
All-Season Road Cond.	2	Topography		Building Construction	10	Total Number of Scoresheets Completed	
Fire Service Access	5	Slope	1	Building Setback	0	Total Points	85
Fire Service Turnaround	2	Additional Rating Factors		Available Fire Protection			
Street Signs	0	Miscellaneous	5	Water Source Avail.	10		
				Organized Response	1		
				Fixed Fire Protection	5		

Action Items

Action	Category:	Planned Date	Completed Date	Activity to be Completed by
Increase public awareness about wildfires through mailings & literature to reduce the risk of fires.	Awareness	12/1/2011		VFD & DFR

Notes:

Action	Category:	Planned Date	Completed Date	Activity to be Completed by
Evaluate areas for fuel reduction needs. If applicable, develop fuel mitigation plans and apply for cost share.	Referral to Mitigation Program	12/1/2011		DFR

Notes:

Action	Category:	Planned Date	Completed Date	Activity to be Completed by
Fuels reduction through understory removal by hand crews or mechanically. Treat areas around the AOC boundry.	Fuel Reduction	12/1/2011		NC DFR - Private Contractors

Notes: Funding through ARRA

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5 Area Name: Glenhaven Drive- Caraway Drive **Hazard Rating:** High
Latitude: 35.63572 **Longitude:** -81.98210 **Number of Homes:** 33 **Number of Lots:** 52
Dominant Fuel Type: 9. Hardwood Litter **Community Contact Person:**
Address:
City: **State:** NC **Zip Code:**
Dominant Community Risk: Limited fuel clearance zones, steep slopes, large areas of woodland around the AOC.
Notes:

Wildfire Hazard & Risk Assessment - Average Scores for Community

Means of Access		Vegetation		Roofing Assembly		Placement of Utilities	
Ingress and Egress	7	Predominant Veg.	20	Roof Composition	3	Placement of Utilities	5
Road Width	4	Fuel Clearance Zone	10	Building Construction		Total	
All-Season Road Cond.	2	Topography		Building Construction	10	Total Number of Scoresheets Completed	
Fire Service Access	5	Slope	7	Building Setback	0	Total Points	99
Fire Service Turnaround	5	Additional Rating Factors		Available Fire Protection			
Street Signs	0	Miscellaneous	5	Water Source Avail.	10		
				Organized Response	1		
				Fixed Fire Protection	5		

Action Items

Action	Category:	Planned Date	Completed Date	Activity to be Completed by
Increase public awareness about wildfires through mailings & literature to reduce the risk of fires.	Awareness	12/1/2011		VFD & DFR

Notes:

Action	Category:	Planned Date	Completed Date	Activity to be Completed by
Evaluate areas for fuel reduction needs. If applicable, develop fuel mitigation plans and apply for cost share.	Referral to Mitigation Program	12/1/2011		DFR

Notes:

North Carolina Community Wildfire Protection Plan

6 Area Name: Grants Mountain **Hazard Rating:** Extreme
Latitude: 35.64965 **Longitude:** -82.00016 **Number of Homes:** 101 **Number of Lots:** 200
Dominant Fuel Type: 9. Hardwood Litter **Community Contact Person:**
Address:
City: **State:** NC **Zip Code:**
Dominant Community Risk: Structures on steep slopes in heavy fuels
 Gated - Code #1911

Notes:

Wildfire Hazard & Risk Assessment - Average Scores for Community

Means of Access		Vegetation		Roofing Assembly		Placement of Utilities	
Ingress and Egress	7	Predominant Veg.	20	Roof Composition	3	Placement of Utilities	0
Road Width	4	Fuel Clearance Zone	25	Building Construction		Total	
All-Season Road Cond.	2	Topography		Building Construction	10	Total Number of Scoresheets Completed	
Fire Service Access	5	Slope	10	Building Setback	5	Total Points 118	
Fire Service Turnaround	2	Additional Rating Factors		Available Fire Protection			
Street Signs	0	Miscellaneous	10	Water Source Avail.	5		
				Organized Response	5		
				Fixed Fire Protection	5		

Action Items

Action	Category:	Planned Date	Completed Date	Activity to be Completed by
Evaluate areas for fuel reduction needs. If applicable, develop fuel mitigation plans and apply for cost share.	Referral to Mitigation Program	12/1/2011		DFR

Notes:

Action	Category:	Planned Date	Completed Date	Activity to be Completed by
Create safe access through fuels reduction for 20 ft on both sides on main road through development by hand crews and chipper.	Fuel Reduction	12/1/2011		NC DFR or Private Contractors

Notes: Funding through ARRA

Action	Category:	Planned Date	Completed Date	Activity to be Completed by
Increase public awareness about wildfires through mailings & literature to reduce the risk of fires.	Awareness	12/1/2011		VFD & DFR

Notes:

Action	Category:	Planned Date	Completed Date	Activity to be Completed by
Prepare firewise plan for development	Awareness	12/1/2011		NC DFR or Private Wildland Fire Consultant

Notes: Possible funding through firewise program

Action	Category:	Planned Date	Completed Date	Activity to be Completed by
Place a second water source within the development. Possible an underground tank with hydrant, Place a safety zone/ Helispot	Infrastructure Improvement	12/1/2011		NC DFR, Community, VFD

Notes: Possible funding through firewise program

North Carolina Community Wildfire Protection Plan

7 Area Name: Vein Mountain Rd **Hazard Rating:** Moderate
Latitude: 35.55627 **Longitude:** -81.94877 **Number of Homes:** 39 **Number of Lots:** 48
Dominant Fuel Type: 9. Hardwood Litter **Community Contact Person:**
Address:
City: **State:** NC **Zip Code:**
Dominant Community Risk: Adjacent to rail road
Notes:

Wildfire Hazard & Risk Assessment - Average Scores for Community

Means of Access		Vegetation		Roofing Assembly		Placement of Utilities	
Ingress and Egress	0	Predominant Veg.	20	Roof Composition	3	Placement of Utilities	5
Road Width	0	Fuel Clearance Zone	10	Building Construction		Total	
All-Season Road Cond.	0	Topography		Building Construction	10	Total Number of Scoresheets Completed	
Fire Service Access	0	Slope	4	Building Setback	0	Total Points	68
Fire Service Turnaround	0	Additional Rating Factors		Available Fire Protection			
Street Signs	0	Miscellaneous	5	Water Source Avail.	5		
				Organized Response	1		
				Fixed Fire Protection	5		

Action Items

Action	Category:	Planned Date	Completed Date	Activity to be Completed by
Evaluate areas for fuel reduction needs. If applicable, develop fuel mitigation plans and apply for cost share.	Referral to Mitigation Program	12/1/2011		DFR

Notes:

Action	Category:	Planned Date	Completed Date	Activity to be Completed by
Increase public awareness about wildfires through mailings & literature to reduce the risk of fires.	Awareness	12/1/2011		VFD & DFR

Notes:

C. FIRE PREVENTION PROGRAMS

1 Project Name: Glenwood Elementary **Population Reached:** 500

Project Description: School Program

Age Group Targeted (select all that apply)	>50	50 - 35	34 - 20	19 - 15	14 - 10	9 - 6	<6
	No	No	No	No	Yes	Yes	Yes

Community(s) Targeted (if applicable):

Action

Action	Planned Date	Completed Date	Funding Source	Activity to be Completed by
Fire Prevention in Schools	10/1/2010		VFD	VFD

Notes:

North Carolina Community Wildfire Protection Plan

2 Project Name: Marion Christian

Population Reached: 250

Project Description: Fall Festival

Age Group Targeted (select all that apply)	>50	50 - 35	34 - 20	19 - 15	14 - 10	9 - 6	<6
	No	No	No	Yes	Yes	Yes	Yes

Community(s) Targeted (if applicable):

Action

Action	Planned Date	Completed Date	Funding Source	Activity to be Completed by
Fall Festival Booth	10/1/2010		VFD	VFD

Notes:

3 Project Name: Smokey Bear

Population Reached: 500

Project Description: NCFS presents Smokey Bear and Fire Prevention Programs in area elementary schools for grades K-2 during Fire Prevention Week in October. NCFS and Smokey Bear also attend local parades.

Age Group Targeted (select all that apply)	>50	50 - 35	34 - 20	19 - 15	14 - 10	9 - 6	<6
	No	No	No	No	No	Yes	Yes

Community(s) Targeted (if applicable): Area elementary schools

Action

Action	Planned Date	Completed Date	Funding Source	Activity to be Completed by
NCFS presents Smokey Bear and Fire Prevention Programs in area elementary schools for grades K-2 during Fire Prevention Week in October. NCFS and Smokey Bear also attend local parades.	10/1/2011		NCFS	NCFS

Notes:

D. PREPAREDNESS ACTIONS

1 Preparedness Item: Equipment

Planning Office: VFD

Preparedness Need: Engine - CAF Truck

Preparedness Action

Category	Planned Date	Completed Date	Funding Source	Activity to be Completed by
Equipment Purchase Buy new engine	12/1/2012		Federal Grant	VFD

Notes:

2 Preparedness Item: Infrastructure

Planning Office:

Preparedness Need: Inventory existing dry hydrants

Preparedness Action

Category	Planned Date	Completed Date	Funding Source	Activity to be Completed by
Infrastructure Improvement Repair or replace existing dry hydrants as needed. Install additional dry hydrants where needed in local area.				

Notes:

North Carolina Community Wildfire Protection Plan

3 Preparedness Item: Railroad grinding

Planning Office: DFR

Preparedness Need: Better communication between the railroad and the Forest Service on maintenance schedules of the railroad.

Preparedness Action

Category	Other	Planned Date	Completed Date	Funding Source	Activity to be Completed by
Action	Improve the communication between the railroad and Forest Service so that the Forest Service will have advance warning on when the railroad is doing their maintenance, rail grinding so that suppression forces can be on standby in the areas treated in case of fire starts.	12/1/2011			DFR

Notes: CSX Railroad Fires -800-232-0144 - Florida Dispatcher - 800-356-9582 EXT.2673 - Author Love, Road Master - 803-290-6854

4 Preparedness Item: Wildland PPE

Planning Office: VFD

Preparedness Need: Replace worn out gear and tools.

Preparedness Action

Category	Equipment Purchase	Planned Date	Completed Date	Funding Source	Activity to be Completed by
Action	Purchase 10 new sets of nomex shirts and pants, 10 fire packs, 10 Fire Shelters, 5 fire rakes, 2 Pulaski's, a new 044 Stihl chain saw and 30 Gallons Class A Foam.	12/1/2011		50/50 State Grant	VFD & FD

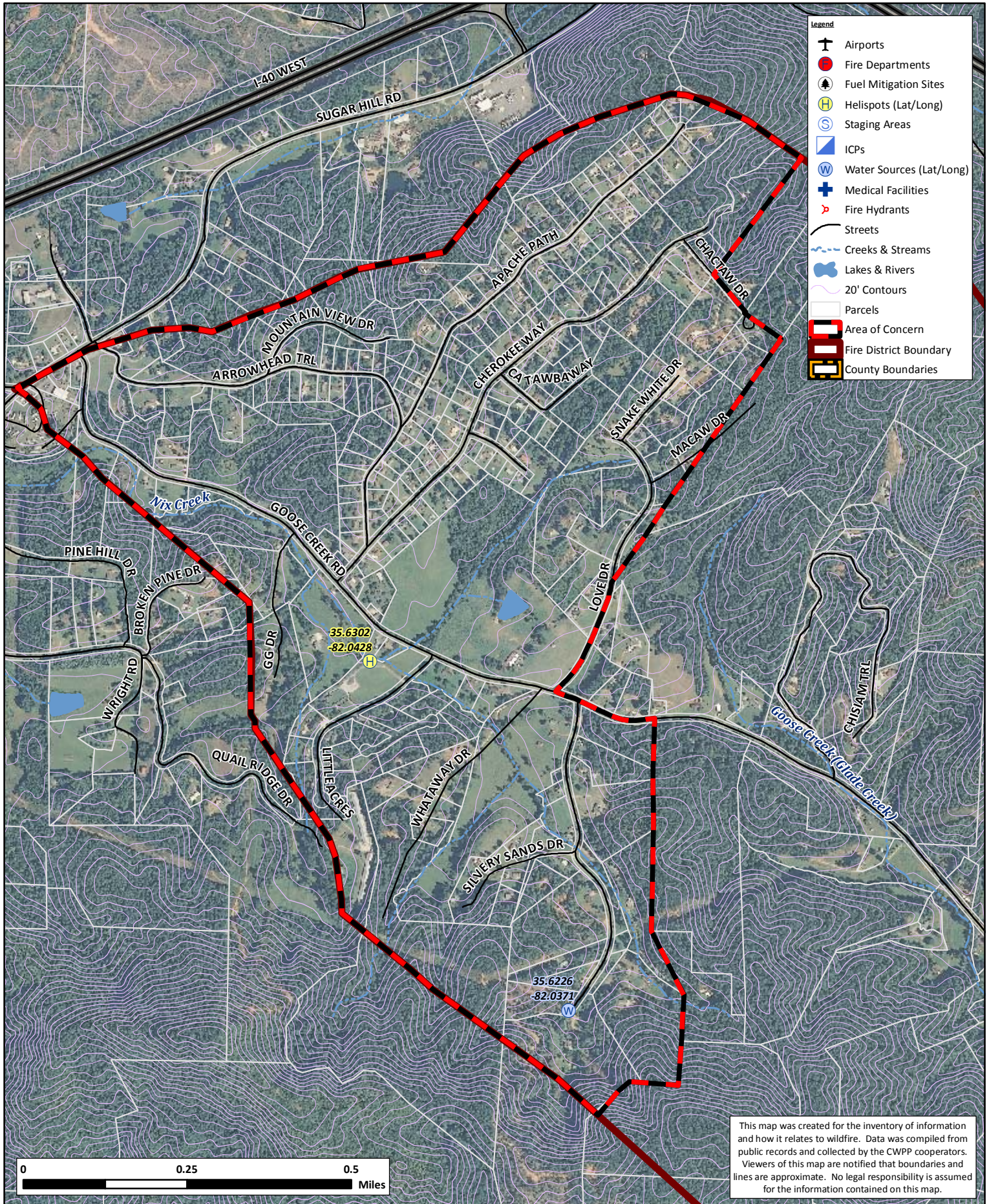
Notes: Glenwood Fire Department has been trained in Wildland Fire Suppression, Fire in the Urban Interface and several firemen have been trained in Chain Saw Safety class instructed by the NCFS.

4) ADDITIONAL COMMENTS:

5) ATTACHMENTS:

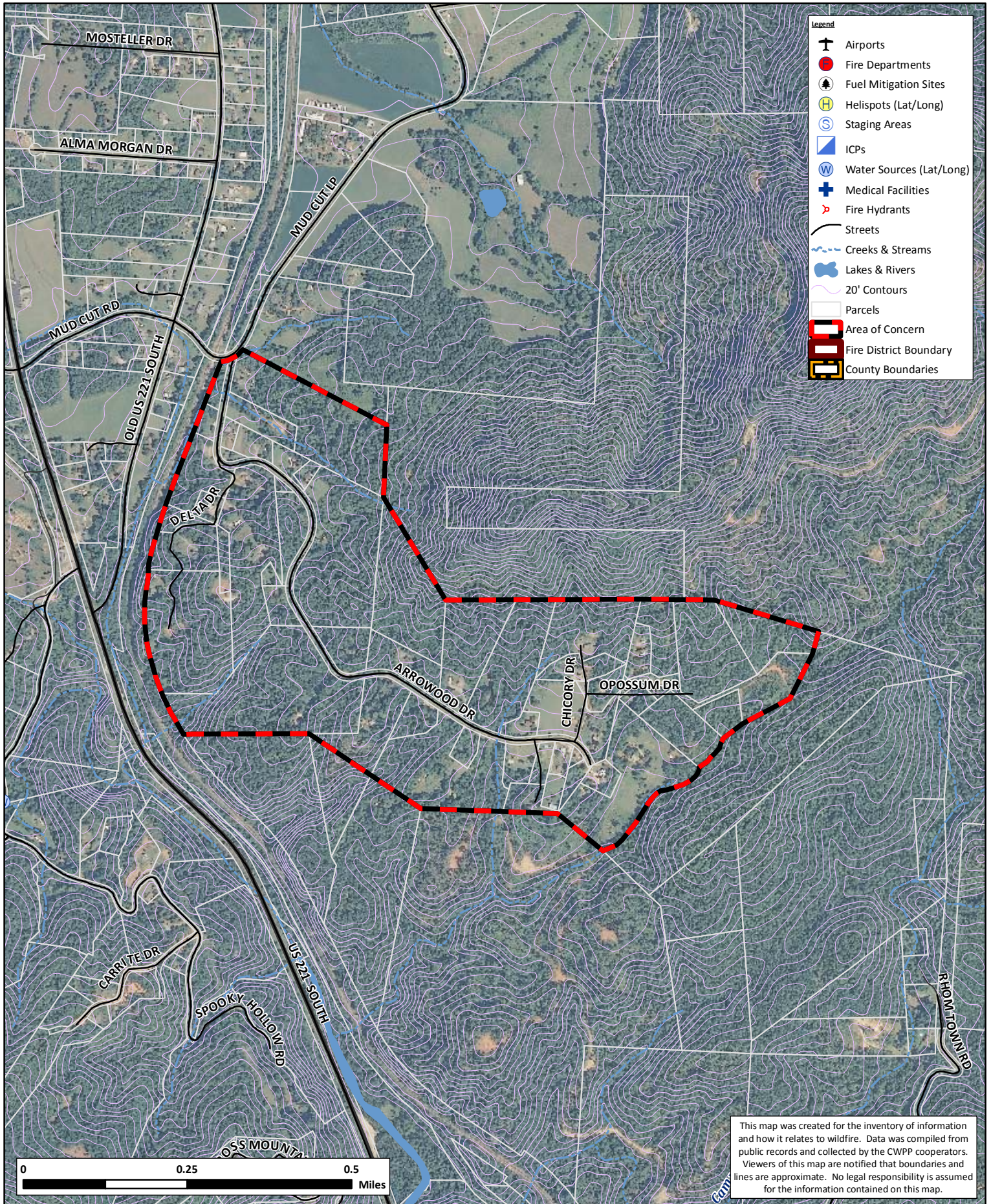
Glenwood FD CWPP

Apache Path Area of Concern



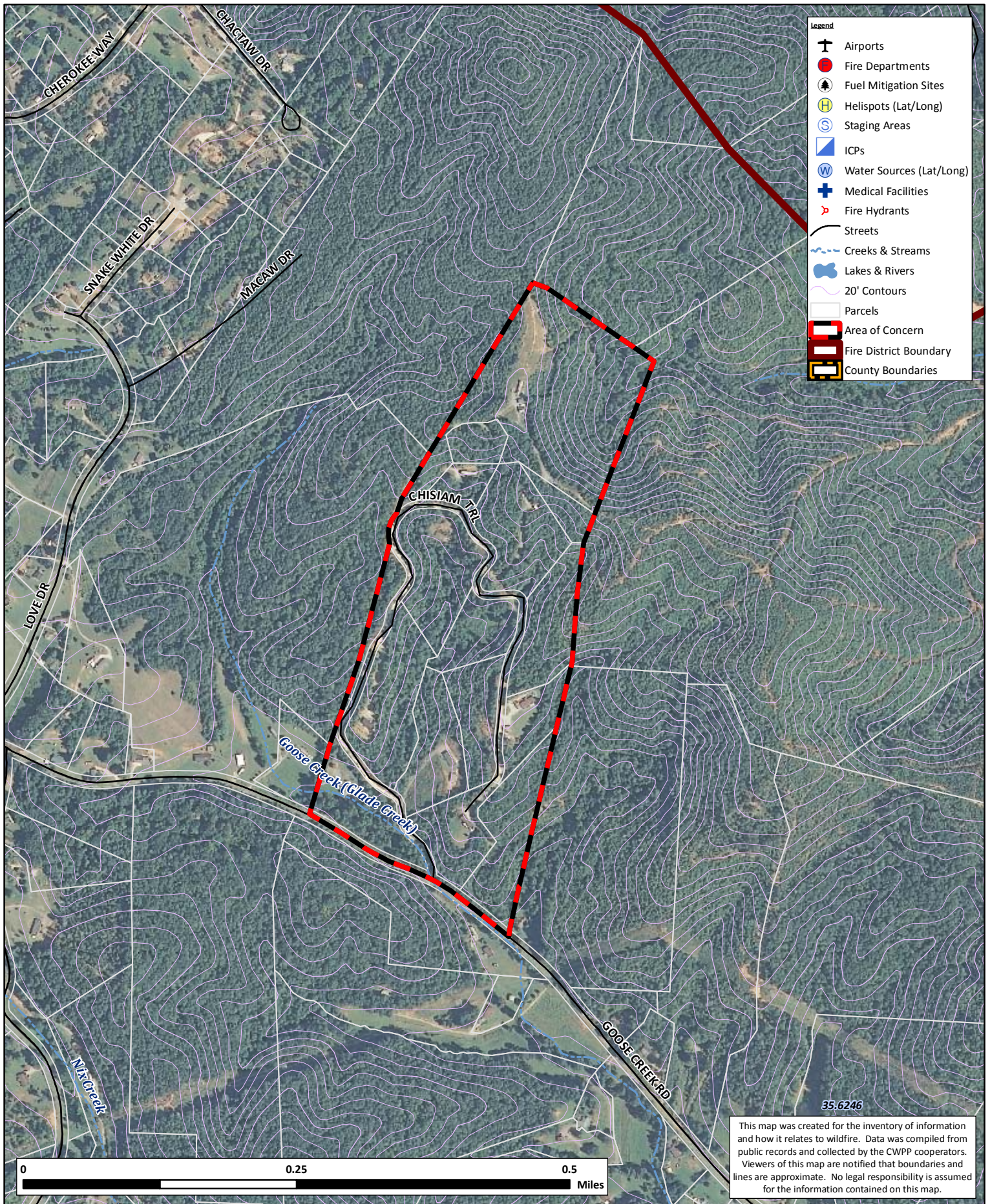
Glenwood FD CWPP

Arrowwood Drive Area of Concern



Glenwood FD CWPP

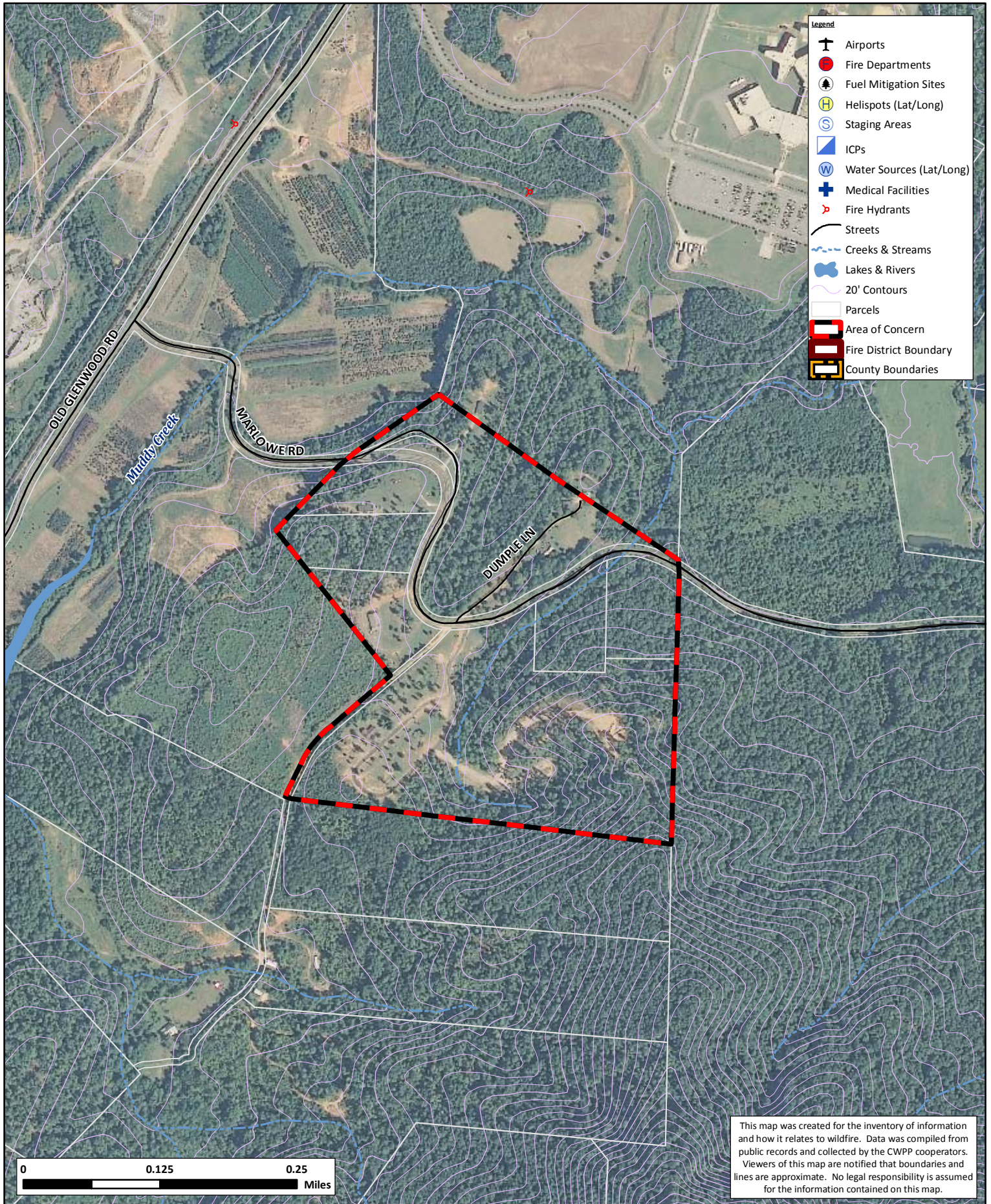
Chisham Trail Area of Concern



This map was created for the inventory of information and how it relates to wildfire. Data was compiled from public records and collected by the CWPP cooperators. Viewers of this map are notified that boundaries and lines are approximate. No legal responsibility is assumed for the information contained on this map.

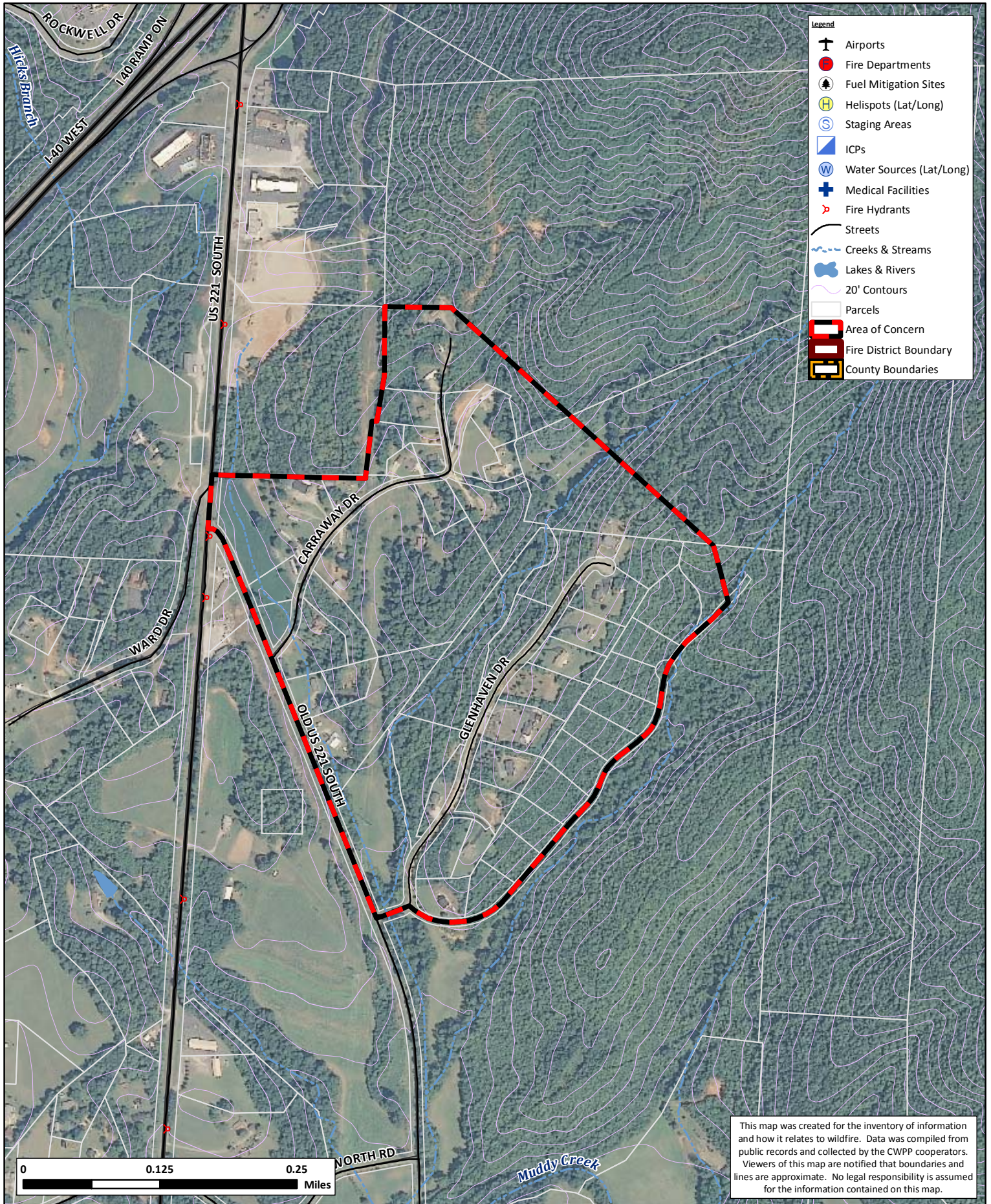
Glenwood FD CWPP

Deer Meadow Area of Concern



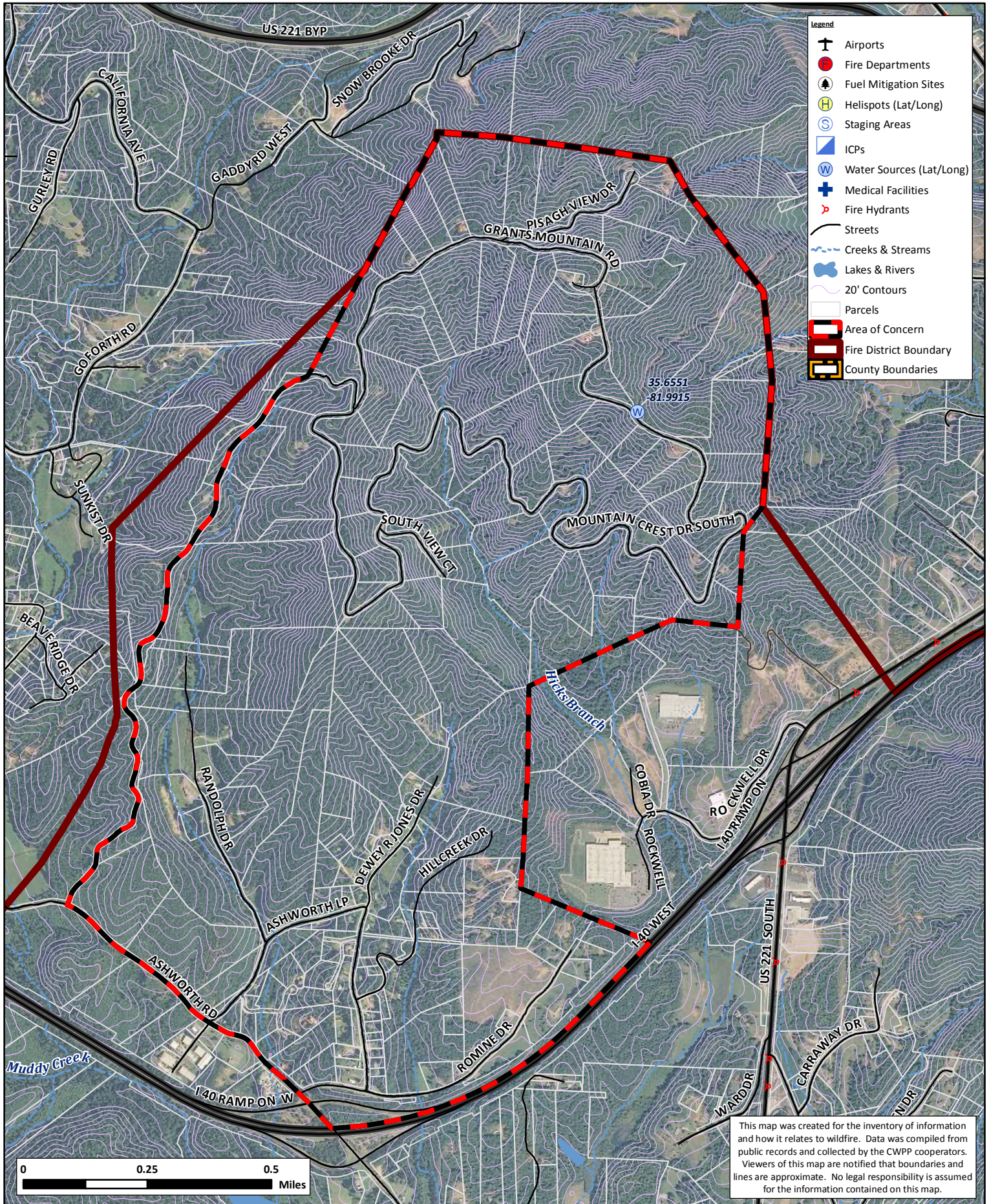
Glenwood FD CWPP

Glenhaven - Caraway Area of Concern



Glenwood FD CWPP

Grants Mountain Area of Concern



Glenwood FD CWPP

Vein Mountain Road Area of Concern

