

GEORGIA FORESTRY  
COMMISSION



# Community Wildfire Protection Plan

## *An Action Plan for Wildfire Mitigation and Conservation of Natural Resources*

### Lincoln County, Georgia

A Program of the Georgia Forestry Commission  
with support from the U.S. Forest Service



MARCH 2015

**SIGNATURE PAGE**

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The following report is a collaborative effort among various entities; the representatives listed below comprise the core decision-making team responsible for this report and mutually agree on the plan's contents:

County Commission Chair, Lincoln County

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*General Benjamin Lincoln*

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Woodland Community Wildfire Hazard Assessment Forms

Newton County Wildfire Pre-suppression Plan

NFPA 1141 Standard for Fire Protection Infrastructure for Land Development in Suburban and Rural Areas.

## **I. OBJECTIVES**

A Community Wildfire Protection Plan (CWPP) provides a community with a road map to reduce its risk from wildfire. A CWPP is designed through collaboration between state and local fire agencies, homeowners and landowners, and other interested parties such as city councils, utilities, homeowners associations, environmental organizations, and other local stakeholders. The plan identifies strategic sites and methods for risk reduction and structural protection projects across jurisdictional boundaries.

Comprehensive plans provide long-term guidance for growth, reflecting a community's values and future expectations. The plan implements the community's values and serves to protect natural and community resources and public safety. Planning also enables communities to address their development patterns in the Wildland Urban Interface and determine how they can reduce their risk through alternative development patterns. The formal legal standing of the plan and its central role in local government decision making underscores the opportunity to use this planning process as an effective means for reducing wildfire risk.

The mission of the following plan is to set clear priorities for the implementation of wildfire mitigation in Lincoln County. The plan includes prioritized recommendations for the appropriate types and methods of fuel reduction and structure ignitability reduction that will protect this community and its essential infrastructure. It also includes a plan for wildfire suppression. Specifically, the plan includes community-centered actions that will:

- Educate citizens on wildfire, its risks, and ways to protect lives and properties,
- Support fire rescue and suppression entities,
- Focus on collaborative decision-making and citizen participation,
- Develop and implement effective mitigation strategies, and
- Develop and implement effective community ordinances and codes.

## **II. COMMUNITY COLLABORATION**

Wildfire risk reduction strategies are most effective when approached collaboratively – involving groups of residents, elected officials, community decision makers, emergency managers, and natural resource managers –and when combined with effective outreach approaches. Collaborative approaches make sense as the initial focus of any community attempting to work toward wildfire risk reduction. In all Community Wildfire Protection Plan collaborations, the goal is to cooperatively identify problems and reach a consensus for mutual action. In the case of wildfire mitigation, a reduction in the wildfire risk to the community's lives, houses, and property is the desired outcome.

The collaborative core team convened in mid-December 2014 to assess risks and develop the Community Wildfire Protection Plan. The group is comprised of representatives from local county government, local fire authorities, and the Georgia Forestry Commission.

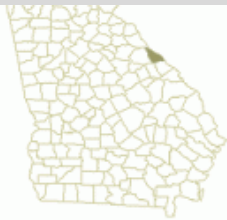
Below are the groups included in the task force:

Lincoln County Government  
*County Fire Department*  
*Emergency Management*  
Georgia Forestry Commission

It was decided to conduct community assessments on the basis of the high risk communities and the individual fire districts in the county. The Lincoln County Fire Department Stations and the representative of the local Georgia Forestry Commission office reconvened in Mid-December for the purpose of completing the following:

- |                        |   |
|------------------------|---|
| Risk Assessment        | Assessed wildfire hazard risks and prioritized mitigation actions. The wildfire risk assessment will help homeowners, builders, developers, and emergency personnel whether the area needs attention and will help direct wildfire risk reduction practices to the areas at highest risk.   |
| Fuels Reduction        | Identified strategies for coordinating fuels treatment projects.  |
| Structure Ignitability | Identified strategies for reducing the ignitability of structures within the Wildland interface.  |
| Emergency Management   | Forged relationships among local government and fire districts and developed/refined a pre-suppression plan.  |
| Education and Outreach | Developed strategies for increasing citizen awareness and action and to conduct homeowner and community leader workshops. Outreach and education programs are designed to raise awareness and improve audience knowledge of wildfire risk reduction needs and practices. In the best cases, education and outreach programs will influence attitudes and opinions and result in effective action. |

### III. COUNTY BACKGROUND AND WILDFIRE HISTORY



#### Lincoln County

Georgia's twenty-fourth county, Lincoln County comprises 211 square miles and was created in 1796 in the northeast part of the state from Wilkes County. The county is named for Benjamin Lincoln, a major general of the Continental Army who played a key role in the defeat of the British at Yorktown during the American Revolution (1775-83). The area's first inhabitants were Creek and Cherokee Indians, who ceded the land to Georgia in 1773. The first white settlers came from the Carolinas, enticed by land grants available for "a reasonable sum."

The county seat is Lincolnton, incorporated in 1817. When the county was created in 1796, the state legislature directed that court sessions be held in the house of Joseph Stovall until a county seat was selected. Lincolnton was named county seat in 1800, and a stone courthouse was built soon thereafter. It was replaced in 1874 with a two-story courthouse, which was torn down in 1916. The current courthouse, which is listed on the National Register of Historic Places, has been in use since 1915.

The American Revolution took place two decades before Lincoln County's creation, but there were white settlers in the area at the time. Many local families fled to South Carolina during the war. Some of them returned under the leadership of colonels Elijah Clarke and John Dooly, and on February 14, 1779, they defeated Loyalist soldiers at the Battle of Kettle Creek, one of the most decisive Patriot victories of the Revolution. General Dooly had settled in 1773 in the area that is now Lincoln County, and General Clarke moved to that area after the war.



*Lincoln County Courthouse*



*Chennault Plantation*

During the Civil War (1861-65) a number of men from Lincoln County volunteered to fight in the Confederacy's Georgia Volunteer Infantry. Lincoln County played a part in a famous incident, during which wagons traveling from Washington to Abbeville, South Carolina, laden with Confederate gold were waylaid. The wagons, encamped on the grounds of the Chennault Plantation in Lincoln County, were beset by robbers at night. Word spread that the robbers had buried the gold in nearby streams and fields. The gold was never recovered, and this led to decades of conjecture about—and attempts to locate—the loot.

In addition to Clarke and Dooly, other notable residents of the county include Thomas P. Ashmore, educator and astronomer, and Otis Ashmore, historian and scientist, both of whom were editors of *Grier's Almanac* .



## **Population**

Among places of interest in the county are the Elijah Clark State Park; the Lincoln County Historical Park, featuring a cotton gin, sawmill, and smokehouse; and the Groves-May House. The Mulberry Christian Methodist Episcopal Church and affiliated school, built in 1873 in Lincolnton, once offered the only church services and school for the town's African Americans. The school is now a "Society House." The Society, originally formed to offer black citizens affordable insurance, now provides assistance to those in need when hospitalized, or on the death of a family

member.

Population growth and manufacturing opportunities in Lincoln County have increased dramatically since the 1970s, as people from northeast Georgia (especially the Augusta metropolitan area) have discovered Lincoln's appeal for business, recreation, and retirement living. The county's recent historic preservation efforts have increased the number of visitors as well. Lincoln County shares the Clarks Hill Lake, also known as the J. Strom Thurmond Lake, with six other Georgia counties as well as South Carolina and draws numerous visitors for water sports. The county has made significant efforts to attract business as well as tourism, and as of 2006 manufacturing was the largest employment sector.

According to the 2000 U.S. census, the population of Lincoln County was 8,348, an increase of 12.2 percent from 1990. In 2010 the population decreased to 7,996.



## **Wildfire History**

Recent data show that a majority of the fastest growing areas in the U.S. are in wildfire-prone environments. It is not a surprise that some of these fastest growing areas are in Georgia. In last decade of the 20<sup>th</sup> Century, Georgia's population increased substantially. Homeowners in Georgia must contend with natural hazards including wildfire, tornados, and flooding. This combination of factors – burgeoning population, abundant natural areas, development pressures, and lack of public awareness makes Georgia a perfect state for creating solutions to various hazards. Georgia is looked to throughout the southern region as a leader in comprehensive and hazard mitigation planning.

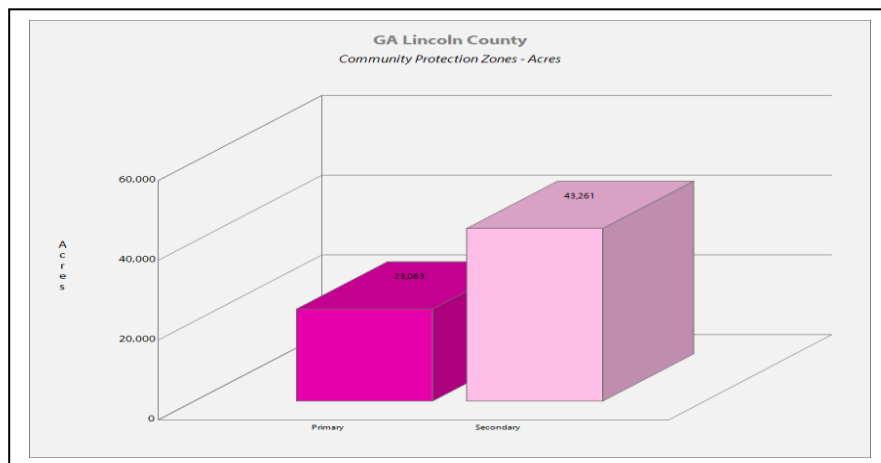
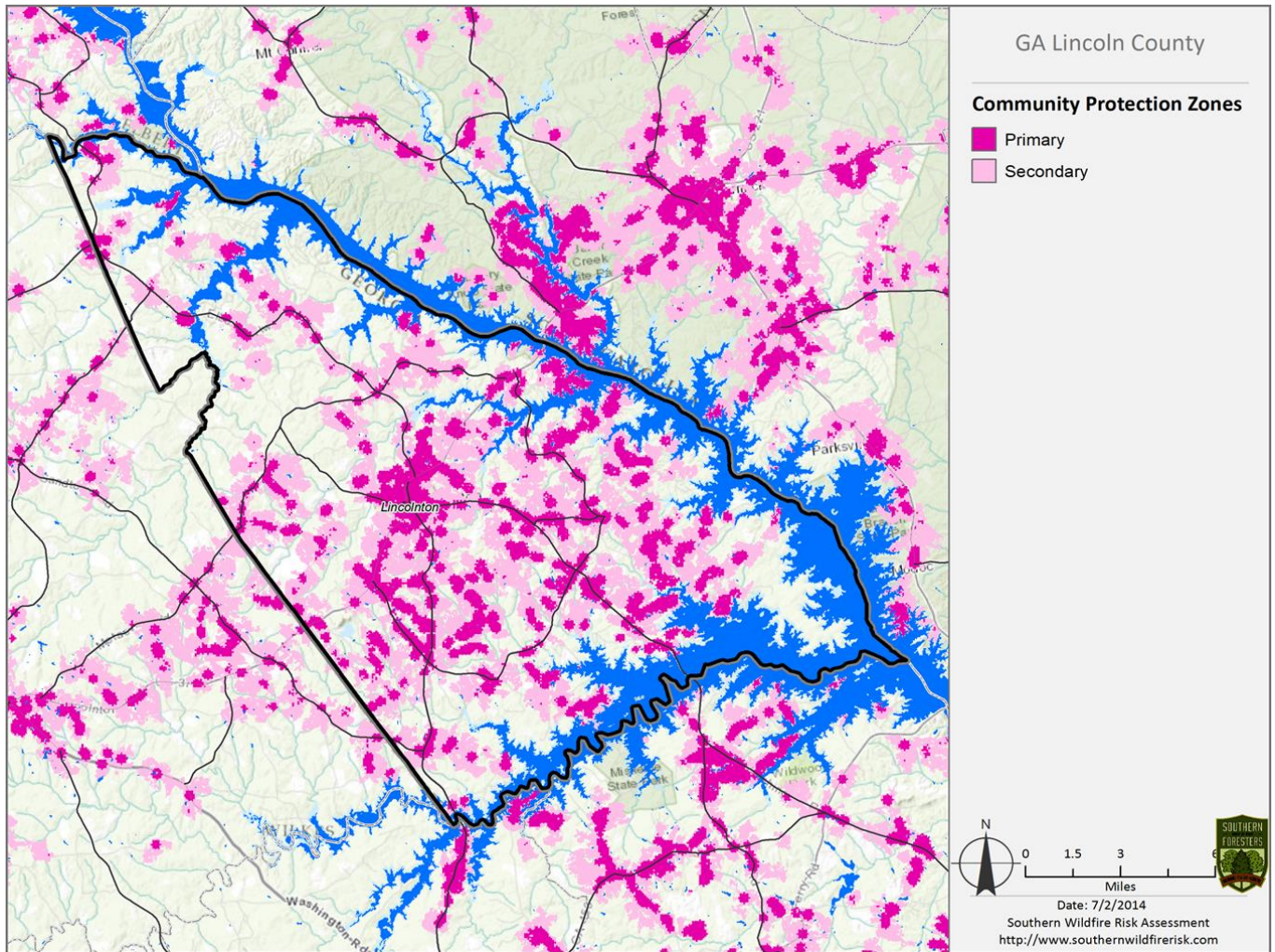
Many of Georgia's existing and new residents living in the urban interface are unaware of the vital role fire plays in our landscape and that their homes are extremely vulnerable to wildfire damage. Balancing development pressures with wildfire risk reduction and education creates a unique challenge for local governments, emergency managers, and wildfire management agencies such as the Georgia Forestry Commission.

Over the past five years, Lincoln County has averaged 12.60 reported wildfires per year. The occurrence of these fires is fairly uniform throughout the year with a slight peak in the months of February and March and a slight decrease during the fall months. These fires have burned an average of 72.98 acres annually. While the numbers of fires remain fairly similar every month, there is a marked difference in the monthly acreage lost. The monthly acres lost during the late winter through summer period show a tenfold increase over the acres lost during the fall and early winter. Additionally while the annual numbers of fires have not increased noticeably during the five year period that records are available, the annual acreage lost appears to have decreased in later years. This perhaps is due to sound forest management being practiced by Lincoln County landowners, in which prescribed burning has become part of their management regimes. The practice of prescribed burning has aided in the mitigation of the heavy forested fuels throughout Lincoln County. Despite their work, more homes are being built outside of traditional communities into the wildland urban interface. With this migration of people to the wildland urban interface the potential for a wildfire disaster continues to increase for Lincoln County.

The leading causes of these fires in Lincoln County were escape debris burns. This is the leading wildfire cause on average throughout the State of Georgia.

County = Lincoln	Cause	Fires		Acres	Fires 5 Yr Avg	Acres 5 Yr Avg
<a href="#">Campfire</a>	Campfire	0		0.00	0.60	0.55
<a href="#">Children</a>	Children	1	↑	2.10	0.40	1.18
<a href="#">Debris: Ag Fields, Pastures, Orchards, Etc</a>	Debris: Ag Fields, Pastures, Orchards, Etc	1	↑	4.52	0.20	0.90
<a href="#">Debris: Construction Land Clearing</a>	Debris: Construction Land Clearing	0		0.00	0.20	0.02
<a href="#">Debris: Escaped Prescribed Burn</a>	Debris: Escaped Prescribed Burn	3	↑	55.80	2.00	29.72
<a href="#">Debris: Other</a>	Debris: Other	0		0.00	0.20	1.46
<a href="#">Debris: Residential, Leafpiles, Yard, Etc</a>	Debris: Residential, Leafpiles, Yard, Etc	0		0.00	0.60	1.46
<a href="#">Debris: Site Prep - Forestry Related</a>	Debris: Site Prep - Forestry Related	0		0.00	0.60	1.64
<a href="#">Incendiary</a>	Incendiary	3	↑	4.83	1.00	6.27
<a href="#">Lightning</a>	Lightning	0		0.00	0.60	2.73
<a href="#">Machine Use</a>	Machine Use	4	↑	14.70	2.20	12.43
<a href="#">Miscellaneous</a>	Miscellaneous	0		0.00	1.40	6.68
<a href="#">Miscellaneous: Other</a>	Miscellaneous: Other	1	↑	4.50	0.40	1.19
<a href="#">Miscellaneous: Power lines/Electric fences</a>	Miscellaneous: Power lines/Electric fences	3	↑	25.15	1.40	5.51
<a href="#">Miscellaneous: Woodstove Ashes</a>	Miscellaneous: Woodstove Ashes	1	↑	3.00	0.20	0.60
<a href="#">Smoking</a>	Smoking	1	↑	0.20	0.20	0.04
<a href="#">Undetermined</a>	Undetermined	1	↑	1.60	0.40	0.60
<b>Totals for County: Lincoln Year: 2014</b>		19	↑	116.40	12.60	72.98

## IV. COMMUNITY BASE MAP



## V. COMMUNITY WILDFIRE RISK ASSESSMENT

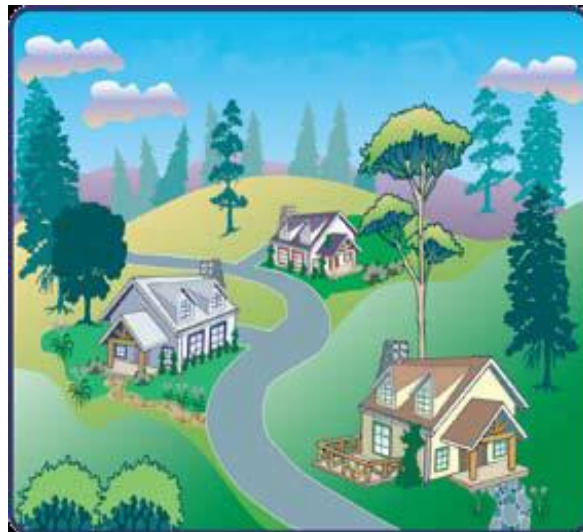
### The Wildland-Urban Interface

There are many definitions of the Wildland-Urban Interface (WUI), however from a fire management perspective it is commonly defined as an area where structures and other human development meet or intermingles with undeveloped wildland or vegetative fuels. As fire is dependent on a certain set of conditions, the National Wildfire Coordinating Group has defined the wildland-urban interface as a set of conditions that exists in or near areas of wildland fuels, regardless of ownership. This set of conditions includes type of vegetation, building construction, accessibility, lot size, topography and other factors such as weather and humidity. When these conditions are present in certain combinations, they make some communities more vulnerable to wildfire damage than others. This “set of conditions” method is perhaps the best way to define wildland-urban interface areas when planning for wildfire prevention, mitigation, and protection activities.

There are three major categories of wildland-urban interface. Depending on the set of conditions present, any of these areas may be at risk from wildfire. A wildfire risk assessment can determine the level of risk.

1. **“Boundary” wildland-urban interface** is characterized by areas of development where homes, especially new subdivisions, press against public and private wildlands, such as private or commercial forest land or public forests or parks. This is the classic type of wildland-urban interface, with a clearly defined boundary between the suburban fringe and the rural countryside.
2. **“Intermix” wildland-urban interface** areas are places where improved property and/or structures are scattered and interspersed in wildland areas. These may be isolated rural homes or an area that is just beginning to go through the transition from rural to urban land use.
3. **“Island” wildland-urban interface**, also called occluded interface, are areas of wildland within predominately urban or suburban areas. As cities or subdivisions grow, islands of undeveloped land may remain, creating remnant forests. Sometimes these remnants exist as parks, or as land that cannot be developed due to site limitations, such as wetlands.

(courtesy *Fire Ecology and Wildfire Mitigation in Florida* 2004)



### **Wildland Urban Interface Hazards**

Firefighters in the wildland urban interface may encounter hazards other than the fire itself, such as hazardous materials, utility lines and poor access.

#### ● Hazardous Materials

- Common chemicals used around the home may be a direct hazard to firefighters from flammability, explosion potential and/or vapors or off-gassing. Such chemicals include paint, varnish and other flammable liquids; fertilizer; pesticides; cleansers; aerosol cans, fireworks, batteries and ammunition. In addition, some common household products such as plastics may give off very toxic fumes when they burn. Stay OUT of the smoke from burning structures and any unknown sources such as trash piles.

#### ● Illicit Activities

- Marijuana plantations or drug production labs may be found in wildland urban interface areas. Extremely hazardous materials such as propane tanks and flammable/toxic chemicals may be encountered, as well as booby traps.

#### ● Propane tanks

- Both large (household size) and small (gas grill size) liquefied propane gas (LPG) tanks can present hazards to firefighters, including explosion. See the "LPG Tank Hazards" discussion for details.

● Utility lines

- Utility lines may be located above and below ground and may be cut or damaged by tools or equipment. Don't spray water on utility lines or boxes.

● Septic tanks and fields

- Below-ground structures may not be readily apparent and may not support the weight of engines or other apparatus.

● New construction materials

- Many new construction materials have comparatively low melting points and may "off-gas" extremely hazardous vapors. Plastic decking materials that resemble wood are becoming more common and may begin softening and losing structural strength at 180° F, though they normally do not sustain combustion once direct flame is removed. However, if they continue to burn they exhibit the characteristics of flammable liquids.

● Pets and livestock

- Pets and livestock may be left when residents evacuate and will likely be highly stressed, making them more inclined to bite and kick. Firefighters should not put themselves at risk to rescue pets or livestock.

● Evacuation occurring

- Firefighters may be taking structural protection actions while evacuations of residents are occurring. Be very cautious of people driving erratically. Distraught residents may refuse to leave their property, and firefighters may need to disengage from fighting fire to contact law enforcement officers for assistance. In most jurisdictions firefighters do not have the authority to force evacuations. Firefighters should not put themselves at risk trying to protect someone who will not evacuate!

● Limited access

- Narrow one-lane roads with no turn-around room, inadequate or poorly maintained bridges and culverts are frequently found in wildland urban interface areas. Access should be sized-up and an evacuation plan for all emergency personnel should be developed.

The wildland fire risk assessments conducted in 2014 by the Lincoln County EMA Director and the Georgia Forestry Commission returned an average score of 100, placing Lincoln County in the “moderate risk” hazard range. The risk assessment instrument used to evaluate wildfire hazards to Lincoln County’s WUI was the Hazard and Wildfire Risk Assessment Checklist. The instrument takes into consideration accessibility, vegetation (based on fuel models), roofing assembly, building construction, and availability of fire protection resources, placement of gas and electric utilities, and additional rating factors. The following factors contributed to the wildfire hazard score for Lincoln County:

- Dead end roads with inadequate turn arounds
- Narrow roads without drivable shoulders
- Long, narrow, and poorly labeled driveways
- Limited street signs and homes not clearly addressed
- Thick, highly flammable vegetation surrounding many homes
- Minimal defensible space around structures
- Homes with wooden siding and roofs with heavy accumulations of vegetative debris
- No pressurized or non-pressurized water systems available
- Above ground utilities
- Large, adjacent areas of forest or wildlands
- Heavy fuel buildups in adjacent wildlands
- Undeveloped lots comprising half the total lots in many rural communities.
- High occurrence of wildfires in the several locations
- Distance from fire stations
- Lack of homeowner or community organizations

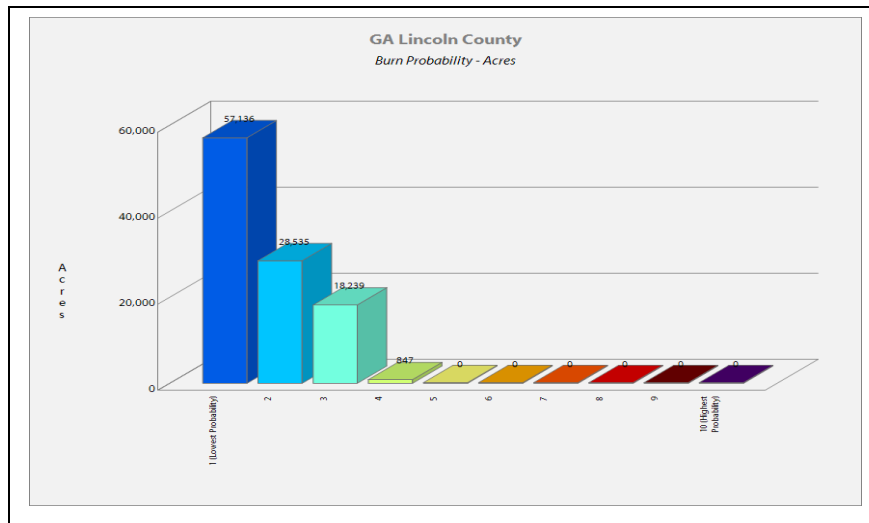
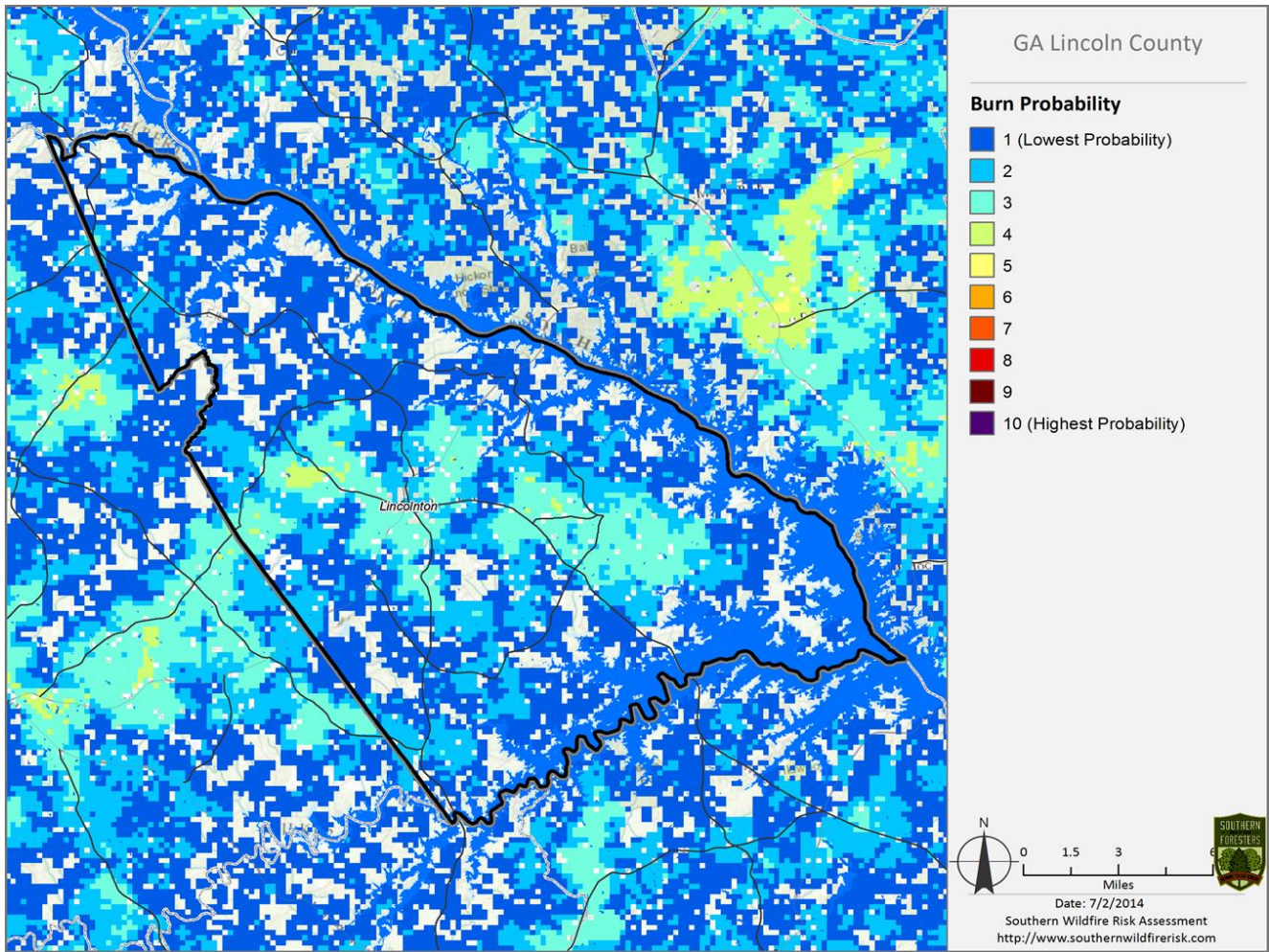


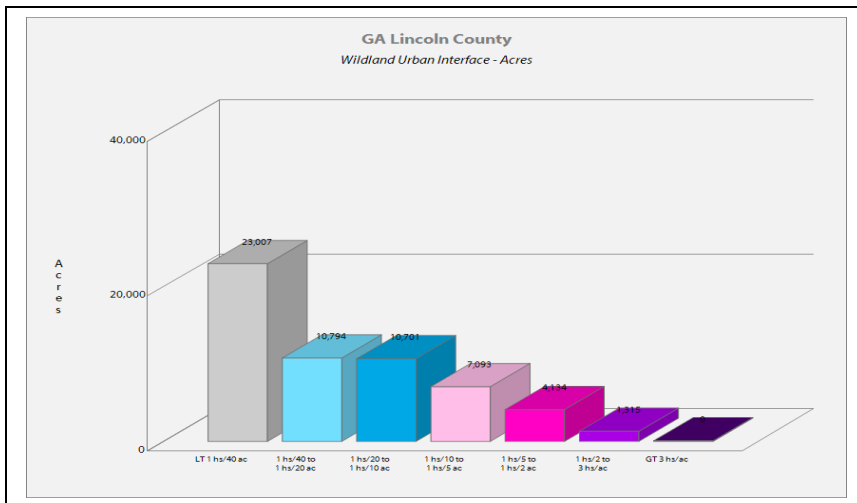
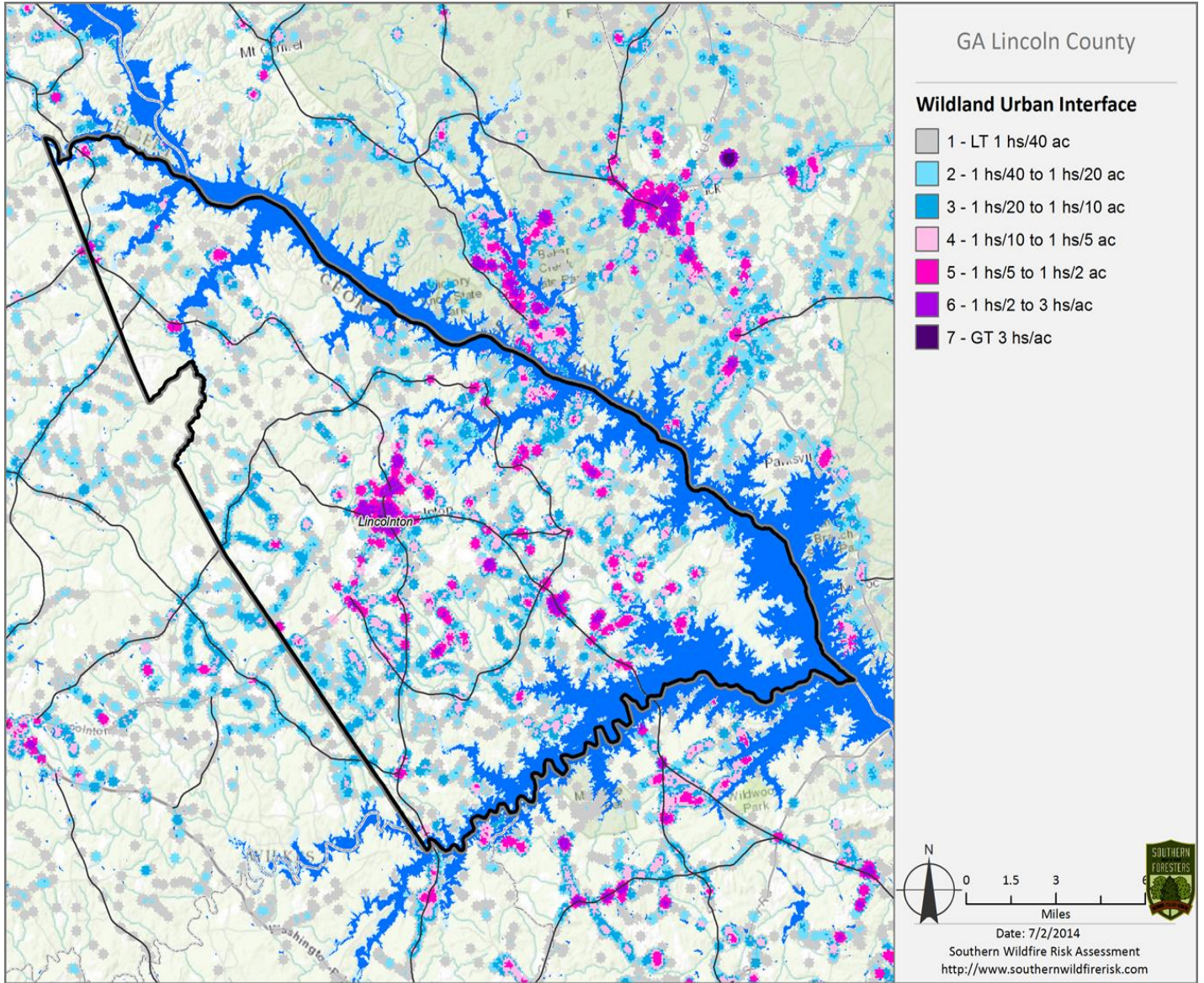


These hazard ratings were completed by the Georgia Forestry Commission's local office and Community Wildfire Protection Specialist during the month of December. The Georgia Forestry Commission Hazard and Wildfire Risk Assessment Score Sheets were used. This document evaluates communities (groups of homes) based upon six criteria: community access, surrounding vegetation, building construction, fire protection, utilities and additional rating factors. The cumulative wildfire hazard rating scores range from a low rating of 0 to 50 points to an extreme hazard rating with over 120 points. The cumulative wildfire hazard rating scores help establish priorities for mitigation activities in the CWPP Action Plan. Those various mitigation recommendations are provided below the action plan created for Lincoln County.

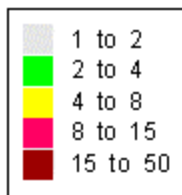
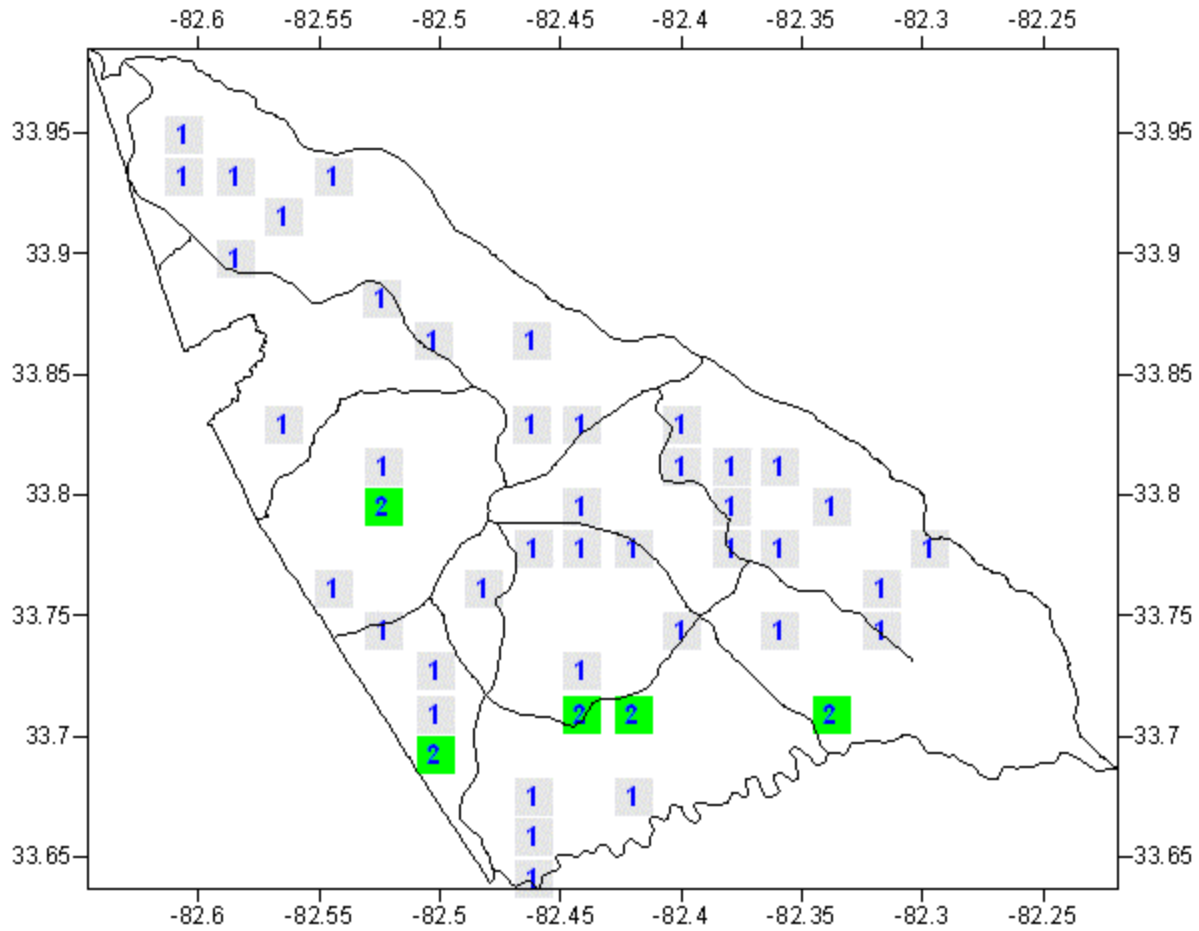


## VI. COMMUNITY HAZARDS MAPS





# Fire Occurrence Map for Lincoln County for Fiscal Year 2009-2013



## VII. PRIORITIZED MITIGATION RECOMMENDATIONS

### Executive Summary

As Northeast Georgia continues to see increased growth from other areas seeking less crowded and warmer climates, new development will occur more frequently on forest and wildland areas. The County will have an opportunity to significantly influence the wildland fire safety of new developments. It is important that new development be planned and constructed to provide for public safety in the event of a wildland fire emergency.

Over the past 20 years, much has been learned about how and why homes burn during wildland fire emergencies. Perhaps most importantly, case histories and research have shown that even in the most severe circumstances, wildland fire disasters can be avoided. Homes can be designed, built and maintained to withstand a wildfire even in the absence of fire services on the scene. The national Firewise Communities program is a national awareness initiative to help people understand that they don't have to be victims in a wildfire emergency. The National Fire Protection Association has produced two standards for reference: NFPA 1144 Standard for Reducing Structure Ignition Hazards from Wildland Fire. 2008 Edition and NFPA 1141 Standard for Fire Protection Infrastructure for Land Development in Suburban and Rural Areas.

When new developments are built in the Wildland/Urban Interface, a number of public safety challenges may be created for the local fire services: (1) the water supply in the immediate areas may be inadequate for fire suppression; (2) if the Development is in an outlying area, there may be a longer response time for emergency services; (3) in a wildfire emergency, the access road(s) may need to simultaneously support evacuation of residents and the arrival of emergency vehicles; and (4) when wildland fire disasters strike, many structures may be involved simultaneously, quickly exceeding the capability of even the best equipped fire departments.

The following recommendations were developed by the Lincoln County CWPP Core team as a result of surveying and assessing fuels and structures and by conducting meetings and interviews with county and city officials. A priority order was determined based on which mitigation projects would best reduce the hazard of wildfire in the assessment area.

**Proposed Community Hazard and Structural Ignitability Reduction Priorities**

Primary Protection for Community and Its Essential Infrastructure		
Treatment Area	Treatment Types	Treatment Method(s)
1. All Structures	Create minimum of 30-foot of defensible space**	Trim shrubs and vines to 30 feet from structures, trim overhanging limbs, replace flammable plants near homes with less flammable varieties, remove vegetation around chimneys.
2. Applicable Structures	Reduce structural ignitability**	Clean flammable vegetative material from roofs and gutters, store firewood appropriately, install skirting around raised structures, store water hoses for ready access, and replace pine straw and mulch around plantings with less flammable landscaping materials.
3. Community Clean-up Day	Cutting, mowing, pruning**	Cut, prune, and mow vegetation in shared community spaces.
4. Driveway Access	Culvert installation	See that adequate lengths of culverts are installed to allow emergency vehicle access.
5. Road Access	Identify needed road improvements	As roads are upgraded, widen to minimum standards with at least 50 foot diameter cul de sacs or turn arounds.

**Proposed Community Wildland Fuel Reduction Priorities**

Treatment Area	Treatment Types	Treatment Method(s)
1. Adjacent WUI Lands	Reduce hazardous fuels	Encourage prescribed burning for private landowners and industrial timberlands particularly adjacent to residential areas.  County resolution to state recommending that the Ga Forestry Commission not charge for prescribed burning in WUI areas.  Seek grant for WUI mitigation team.
3. Existing Fire Lines	Reduce hazardous fuels	Clean and re-harrow existing lines.

**Proposed Improved Community Wildland Fire Response Priorities**

1. Water Sources	Dry Hydrants	Inspect, maintain and improve access to existing dry hydrants. Add signage along road to mark the hydrants. Locate additional dry hydrants as needed.
2. Fire Stations	Equipment	Wildland hand tools. Lightweight Wildland PPE Gear. Investigate need for “brush” trucks near communities at risk.
3. Water Sources	Drafting equipment	Investigate need for additional drafting pumps.
4. Personnel	Training	Obtain Wildland Fire Suppression training for fire personnel to include S130, S190, and S215.
**Actions to be taken by homeowners and community stakeholders		

**Proposed Education and Outreach Priorities**

<p>1. Conduct “How to Have a Firewise Home” Workshop for County Residents</p>
<p>Set up and conduct a workshop for homeowners that teach the principles of making homes and properties safe from wildfire. Topics for discussion include defensible space, landscaping, building construction, etc. Workshop will be scheduled for evenings or weekends when most homeowners are available and advertised through local media outlets.</p> <p>Distribute materials promoting Firewise practices and planning through local community and governmental meetings.</p>
<p>2. Conduct “Firewise” Workshop for Community Leaders</p>
<p>Arrange for GFC Firewise Coordinator to work with local community leaders and governmental officials on the importance of “Firewise Planning” in developing ordinances and codes as the county as the need arises. Identified “communities-at-risk” including: Whitstone Boating Club, Fishing Creek Community, CBK Community and Savannah Bay should be sought after for inclusion in the National Firewise Communities Program.</p>
<p>3. Spring Clean-up Event</p>
<p>Conduct clean-up event every spring involving the Georgia Forestry Commission, Lincoln County Fire Departments, and local residence of rural Lincoln County. Set up information table with educational materials and refreshments. Initiate the event with a morning briefing by GFC Firewise coordinator and local fire officials detailing plans for the day and safety precautions. Activities to include the following:</p> <ul style="list-style-type: none"> <li>• Clean flammable vegetative material from roofs and gutters</li> <li>• Trim shrubs and vines to 30 feet away from structures</li> <li>• Trim overhanging limbs</li> <li>• Clean hazardous or flammable debris from adjacent properties</li> </ul>
<p>4. Informational Packets</p>
<p>Develop and distribute informational packets to be distributed by realtors and insurance agents. Included in the packets are the following:</p> <ul style="list-style-type: none"> <li>• Be Firewise Around Your Home Brochures and Bookmarks</li> <li>• Firewise Guide to Landscape and Construction</li> </ul>
<p>5. Wildfire Protection Display</p>
<p>Create and exhibit a display for the general public at the local events. Display can be independent or combined with the Georgia Forestry Commission display.</p>
<p>6. Press</p>
<p>Invite the local and regional news media to community “Firewise” functions for news coverage and regularly submit press releases documenting wildfire risk improvements in Lincoln County.</p>



## VIII. ACTION PLAN

### Roles and Responsibilities

The following roles and responsibilities have been developed to implement the action plan:

Role	Responsibility
Hazardous Fuels and Structural Ignitability Reduction	
Lincoln County WUI Fire Council	Create this informal team or council comprised of residents, GFC officials, County Fire department officials, a representative from the city and county government and the EMA Director for Lincoln County. Meet periodically to review progress towards mitigation goals, appoint and delegate special activities, work with federal, state, and local officials to assess progress and develop future goals and action plans. Work with residents to implement projects and Firewise activities.
Key Messages to focus on	<ol style="list-style-type: none"> <li>1 Defensible Space and Firewise Landscaping</li> <li>2 Debris Burning Safety</li> <li>3 Firewise information for homeowners</li> <li>4 Prescribed burning benefits</li> </ol>
Communications objectives	<ol style="list-style-type: none"> <li>1 Create public awareness for fire danger and defensible space issues</li> <li>2 Identify most significant human cause fire issues</li> <li>3 Enlist public support to help prevent these causes</li> <li>4 Encourage people to employ fire prevention and defensible spaces in their communities.</li> </ol>
Target Audiences	<ol style="list-style-type: none"> <li>1 Homeowners</li> <li>2 Forest Landowners and users</li> <li>3 Civic Groups</li> <li>4 School Groups</li> </ol>
Methods	<ol style="list-style-type: none"> <li>1 News Releases</li> <li>2 Personal Contacts</li> <li>3 Key messages and prevention tips</li> <li>4 Visuals such as signs, brochures and posters</li> </ol>

Spring Clean-up Day	
Event Coordinator	Coordinate day's events and schedule, catering for cookout, guest attendance, and moderate activities the day of the day of the event.
Event Treasurer	Collect funds from residents to cover food, equipment rentals, and supplies.
Publicity Coordinator	Advertise event through neighborhood newsletter, letters to officials, and public service announcements (PSAs) for local media outlets. Publicize post-event through local paper and radio PSAs.
Work Supervisor	Develop volunteer labor force of community residents; develop labor/advisory force from Georgia Forestry Commission, Lincoln County Fire Departments, and Emergency Management Agency. Procure needed equipment and supplies. In cooperation with local city and county officials, develop safety protocol. Supervise work and monitor activities for safety the day of the event.

### Funding Needs

The following funding is needed to implement the action plan:

Project	Estimated Cost	Potential Funding Source(s)
1. Create a minimum of 30 feet of defensible space around structures	Varies	Residents will supply labor and fund required work on their own properties.
2. Reduce structural ignitability by cleaning flammable vegetation from roofs and gutters; appropriately storing firewood, installing skirting around raised structures, storing water hoses for ready access, replacing pine needles and mulch around plantings with less flammable material.	Varies	Residents will supply labor and fund required work on their own properties.
3. Amend codes and ordinances to provide better driveway access, increased visibility of house numbers, properly stored firewood, minimum defensible space brush clearance, required Class A roofing materials and skirting around raised structures, planned maintenance of community lots.	No Cost	To be adopted by city and county government.
4. Spring Cleanup Day	Varies	Community Business Donations.
5. Fuel Reduction Activities	\$15 / acre	FEMA & USFS Grants

#### POTENTIAL FUNDING SOURCES:

As funding is questionable in these times of tight government budgets and economic uncertainty, unconventional means should be identified whereby the need for funding can be reduced or eliminated.

##### Publications / Brochures –

- FIREWISE materials are available for cost of shipping only at [www.firewise.org](http://www.firewise.org).
- Another source of mitigation information can be found at [www.nfpa.org](http://www.nfpa.org).
- Access to reduced cost or free of charge copy services should be sought whereby publications can be reproduced.
- Free of charge public meeting areas should be identified where communities could gather to be educated regarding prevention and firewise principles.

##### Mitigation –

- Community Protection Grant:
  - USFS sponsored prescribed burn program. Communities with at risk properties that lie within 10 miles of the USFS border may apply with the GFC to have their forest land prescribed burned free of charge.
- FEMA Mitigation Policy MRR-2-08-01: through GEMA - Hazard Mitigation Grant Program (HMGP) and Pre Disaster Mitigation (PDM)
  - To provide technical and financial assistance to local governments to assist in the implementation of long term cost effective hazard mitigation measures.
  - This policy addresses wildfire mitigation for the purpose of reducing the threat to all-risk structures through creating defensible space, structural protection through the application of ignition resistant construction, and limited hazardous fuels reduction to protect life and property.
  - With a complete and registered plan (addendum to the State plan) counties can apply for pre- mitigation funding. They will also be eligible for HMGP if the county is declared under a wildfire disaster.
- GFC - Plowing and burning assistance can be provided through the Georgia Forestry Commission as a low cost option for mitigation efforts.
- Individual Homeowners –
  - In most cases of structural protection ultimately falls on the responsibility of the community and the homeowner. They will bear the cost; yet they will reap the benefit from properly implemented mitigation efforts.
  - GEMA Grant - PDM (See above)

Ultimately it is our goal to help the communities by identifying the communities threatened with a high risk to wildfire and educate those communities on methods to implement on reducing those risks.

### **Assessment Strategy**

To accurately assess progress and effectiveness for the action plan, the Lincoln County WUI Fire Council will implement the following:

- Annual wildfire risk assessment will be conducted to re-assess wildfire hazards and prioritize needed actions.
- Mitigation efforts that are recurring (such as mowing, burning, and clearing of defensible space) will be incorporated into an annual renewal of the original action plan.
- Mitigation efforts that could not be funded in the requested year will be incorporated into the annual renewal of the original action plan.
- Continuing educational and outreach programs will be conducted and assessed for effectiveness. Workshops will be evaluated based on attendance and post surveys that are distributed by mail 1 month and 6 months following workshop date.
- The Lincoln County WUI Council will publish an annual report detailing mitigation projects initiated and completed, progress for ongoing actions, funds received, funds spent, and in-kind services utilized. The report will include a “state of the community” section that critically evaluates mitigation progress and identifies areas for improvement. Recommendations will be incorporated into the annual renewal of the action plan.
- An annual survey will be distributed to residents soliciting information on individual mitigation efforts on their own property (e.g., defensible space). Responses will be tallied and reviewed at the next Lincoln County WUI Council meeting. Needed actions will be discussed and delegated.

This plan should become a working document that is shared by local, state, and federal agencies that will use it to accomplish common goals. An agreed-upon schedule for meeting to review accomplishments, solve problems, and plan for the future should extend beyond the scope of this plan. Without this follow up this plan will have limited value

GEORGIA FORESTRY  
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