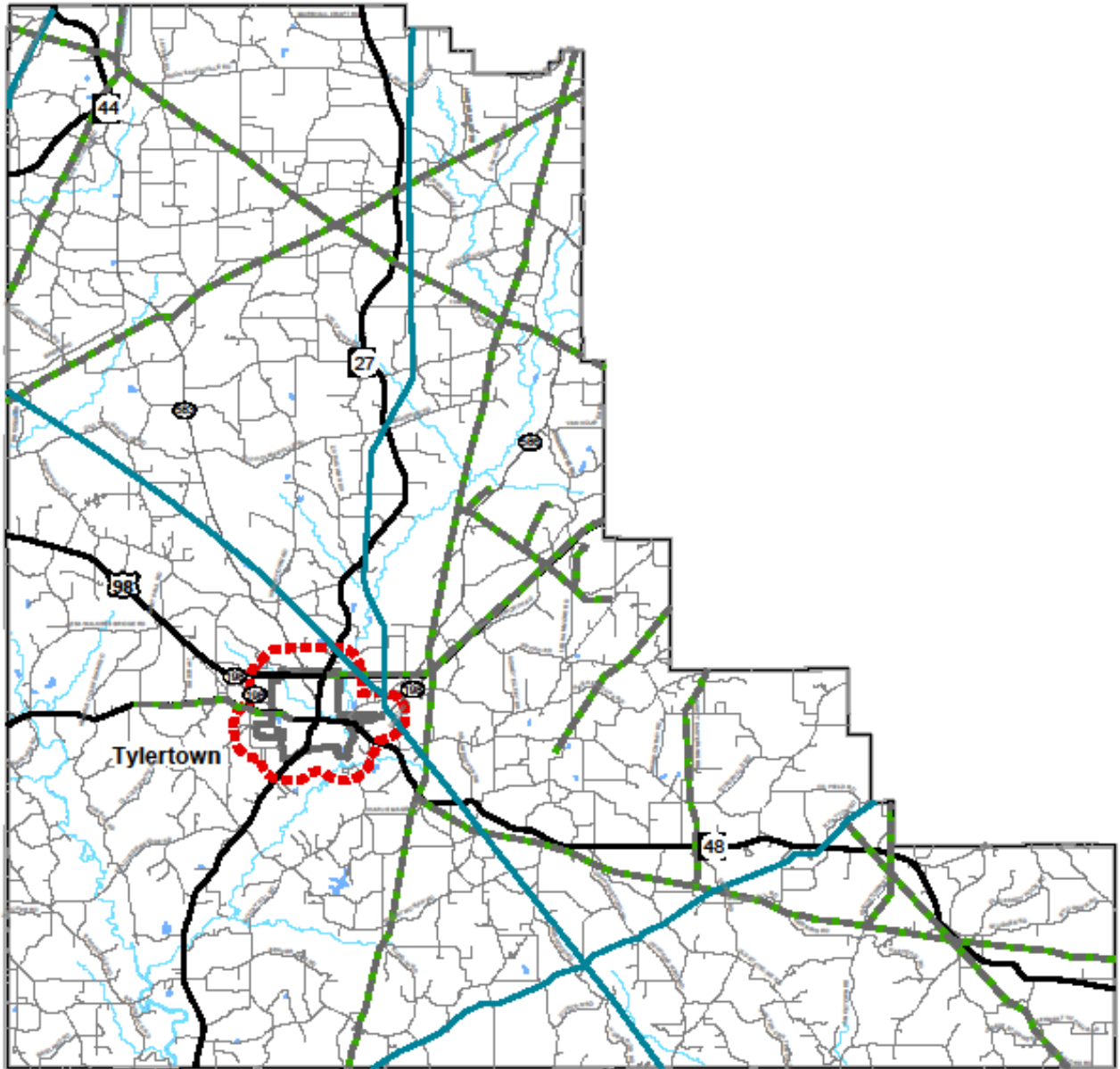# Walthall County, Mississippi

Wildfire Protection Plan

September, 2008

Prepared by the Southwest Mississippi Planning and Development
District with Funding Provided by the Mississippi Forestry Commission

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Introduction

The <u>M</u>ississippi <u>F</u>orestry <u>C</u>ommission (MFC) contracted with the Mississippi Association of Planning and Development Districts to prepare <u>C</u>ounty <u>W</u>ildfire <u>P</u>rotection <u>P</u>lans (CWPP) for twelve counties in Mississippi. MFC was mandated by the Mississippi Legislature in 1926 to protect the state's forestland. At that time wildfires were destroying more than 5 million acres of timberland each year. Since 1926, great progress has been made in wildfire prevention, detection, and suppression. However, wildfires are still a substantial threat to Mississippi forestlands. On average, there are about 5,000 wildfires a year in Mississippi burning over 60,000 acres (Source: Mississippi Forestry Commission). This plan is an effort to identify critical facilities and other man-made structures and assess the risk to these facilities and structures posed by wildfires. The capability of the county to respond to wildfire emergencies will also be assessed. And finally, mitigation measures will be proposed to reduce the vulnerability of the critical facilities and other man-made facilities to the wildfire risks.

The <u>W</u>ildland <u>U</u>rban <u>I</u>nterface (WUI), where structures and other developments merge with undeveloped forestland, can create one of the most dangerous and complex situations for firefighters. The WUI zone can pose a significant risk to communities in the event of a large-scale wildfire. A CWPP can reduce the potential for loss in the event of a wildfire by identifying priorities for the protection of life, property and critical infrastructure within the WUI.

Historical wildfire occurrence information for the fiscal years 2002 – 2007 from the MFC, information from the county emergency manager, and data on the fire fighting capabilities of the county and the volunteer fire departments from the county fire coordinator was collected. These individuals formed the Steering Committee which helped compile the data presented in this plan.

The Plan includes several components: a County Risk Assessment, a Mitigation Projects List, Structure Ignitability Recommendations, an Action Plan and Assessment Strategy and Geographic Information System produced maps. It is the intent of the Steering Committee that this plan will be utilized to guide development and educate landowners, as well as address and then treat at-risk wildfire areas within the county. This plan was developed with an effort toward consistency with the Healthy Forest Restoration Act of 2003, the county's Hazard Mitigation Plan and the Comprehensive Emergency Management Plan.

Area Description

Walthall County borders with Louisiana in southwestern Mississippi. The county seat of Tylertown is located approximately 20 miles east of McComb, 55 miles west of Hattiesburg, and 97 miles south of Jackson. The year 2000 population according to the U.S. Census Bureau was 15,156 and there were 6,418 housing units. Walthall County has a total area of 404 square miles. This yields a population density of approximately 38 persons per square mile and a housing unit density of nearly 16 housing units per square mile.

Tylertown, the county seat, is the only incorporated municipality. The total U.S. Census Bureau year 2000 population of Tylertown was 1,910. In the unincorporated portion of the county, 13,246 Walthall County residents, 87 percent, live. Other notable small, rural communities in the county are Darbun, Mesa, Sartinville, Salem, and Dexter.

Geographically, Walthall County is characterized by broad rolling uplands and somewhat wide, flat creek bottoms. The Bogue Chitto River crosses the southwestern portion of the county and Magees Creek flows through the eastern and southern parts of the county. Upland areas are comprised of low fertility sandy clay soils while the bottomlands have more fertile sandy loam soils. The uplands are particularly well-suited to growing timber while the bottomlands are often used for agricultural purposes if they are dry enough. Within Walthall County, approximately 143,200 acres (nearly 55 percent) of the land area is forestland. Of these 143,200 acres, over 88,700 acres (62 percent) is classified as pine forest or mixed pine/hardwood forest. This is a very important statistic since wildfires pose the highest risk in forestlands with a pine component.

The climate of Walthall County is mild with mean annual temperatures in the upper 60's, ranging from an average daily temperature of 49 degrees F. in January to an average daily temperature of 81 degrees F. in July. Annual rainfall averages nearly 58 inches with the majority of the accumulation from December through March and the lowest monthly totals in October. County wind speeds are generally less than 10 miles per hour, but often increase during storms. Thunderstorms occur frequently and are sometimes accompanied by strong to severe winds, including tornadoes.

Because of relatively high annual precipitation amounts, Walthall County is not usually prone to property-damaging wildfires. However, occasional drought-like conditions prompt fire service officials to issue bans against burning, and encroachment of urban development into rural forested areas becomes more of a concern.

Most of the wildfires that occur in Walthall County are caused by incendiaries (intentionally set) or debris burning (a person typically tries to burn a pile of leaves or

other debris in his yard and the fire escapes). Debris burning and incendiary causes together account for more that 80 percent of the wildfires during the five year period covered by this plan. Walthall County is divided into five rural fire response areas covering the unincorporated portions of the county. These districts/response areas are manned by volunteers who act as first responders to the fires within the county. All Fire Response Areas within the county are listed in the table below.

Fire Response Area	Fire Department	Station Location(s)
Enon	Enon VFD	1443 Highway 583 N Jayess, MS 39641
Sartinville	Fourth District VFD - Sartinville	3 Enon Sartinville Rd Jayess, MS 39641
Salem	Fourth District VFD - Salem	3 Rushingtown Rd Tylertown, MS 39667
Darbun	Fourth District VFD - Darbun	80 Darbun China Grove Rd Kokomo, MS 39643
Lexie	Lexie VFD	8 East Lexie Rd Tylertown, MS 39667
Dexter	Third District VFD – Dexter	929 Hwy 48 E Tylertown, MS 39667
Improve	Third District VFD - Improve	3 Thad Rd Sandy Hook, MS 39478
Oak Grove	Oak Grove VFD	395 St. Paul Rd Tylertown, MS 39667
Tylertown	Tylertown VFD	Ball Avenue Tylertown, MS 39667

Woodland fires are controlled by rural firefighting departments and/or MFC personnel. During fiscal years 2002 - 2007 Walthall County experienced 345 wildfires, with the most wildfires, 128, occurring in Fiscal Year 2006. It is the threat of the spread of rural wildfires to the urban fringe that poses the greatest concern. Mitigation measures such as prescribed burns, training and equipping firefighters, and public education on fire protection and Firewise strategies all help to control the risk to life and property.

While climate conditions and debris can cause ignitability, certain industrial operations and facilities can also raise the threat of fire. These include the storage and/or transportation of flammable, toxic, and/or explosive materials. Walthall County has several facilities which involve storage and transport of highly flammable petroleum products. If an incident were to occur, Volunteer Fire Departments would be first responders.

Strategic Goals of the County Wildfire Protection Plan

At the beginning of the planning process, the CWPP Steering Committee identified several goals. These goals were set to provide a common vision during the process and to identify specific results to be obtained upon completion of the final document.

1. Define the Wildland-Urban Interface (WUI) for Walthall County

2. Identify and prioritize high-risk areas within the WUI

3. Identify treatment methods for prioritized high-risk areas

4. Provide recommendations to reduce structure ignitability

5. Improve resources for volunteer fire departments
   -Better equipment for better insurance ratings
   -More personnel to improve fire delivery system, insurance ratings, and to assist in coordinating efforts of the volunteer fire departments

6. Educate the public on fire prevention

7. Identify strategies to strengthen existing and encourage increased collaboration between the Walthall County Emergency Management Agency and the Mississippi Forestry Commission

8. Identify strategies to lower insurance ratings in the fire districts

9. Increase the number of fire hydrants near at risk structures

Mapping

The Walthall County Wildfire Protection Plan contains eight maps created by the Southwest Mississippi Planning and Development District (SMPDD) Geographic Information System Department. These maps were created for planning purposes to aid in the assessment of county wildfire occurrence and emergency preparedness. The maps include the Walthall County Base Map, Facility Classification Map, Risk Assessment Ratings, Fire Occurrences 2002-2007, High Occurrence Wildfire Areas, Incendiary Fires 2002- 2007, Fire Response Areas, and Wildfires by Fire Response Area.

The county-wide base map provides a graphic baseline of infrastructure, roadways, inhabited areas, areas of community importance and a WUI designation. Although 87 percent of county residents live outside of the towns, they are very evenly spread over the landscape. It is difficult to identify urban concentrations in rural areas. For this reason the WUI was set at ½-mile from existing municipal boundaries in accordance with the Healthy Forests Restoration Act of 2003.

The Risk Assessment Map graphically reflects the results of the Risk Assessment portion of the County Wildfire Protection Plan process. The risk assessment process is explained in detail below. The resulting map reflects the infrastructure, roadways, municipalities and areas of community importance found on the base map. The Steering Committee assigned a risk rating to each of these attributes by considering available fuel load, frequency of wildfire occurrence, vulnerability of development and infrastructure, and emergency preparedness. These ratings were then displayed in map form to better enable review and assessment of the entire county.

Several fire occurrence maps were created from data collected from the Mississippi Forestry Commission (MFC). Through the use of the SWMPDD Geographic Information System, all fires tracked for years 2002-2007, by the MFC are reflected on the Walthall County Fire Occurrences Fy2002-FY2007 map. When these data are mapped, it becomes apparent that there are specific geographic areas where there is a high occurrence of wildfire. The fire occurrence maps were utilized in the Risk Assessment portion of the CWPP and as a valuable reference during the process of formulating mitigation projects and action items.

The High Occurrence Wildfire Areas are based on a computer calculation used to determine density and distribution by comparing each fire occurrence to its surrounding neighbors. The resulting calculation was then separated into five classes to isolate areas with higher density. According to MFC wildfire data, of the 345 wildfires which occurred in Walthall County during the study period, 147 or 43 percent, were caused by debris burning and 130 or 38 percent were caused by incendiaries (arson). Debris burning and incendiary causes together account for 277 or 80 percent of the wildfires

during this period. The map of Incendiary Fires reflects the geographic distribution of these fires throughout the county.

The Walthall County Fire Response Area map reflects the county volunteer fire department response areas and volunteer fire station locations. A map reflecting all wildfires 2002-2007, as well as fire district boundaries and department locations has been included. The Tylertown VFD response area includes all of the WUI and an additional sizeable rural area around Tylertown. Additionally, the Wildfires 2002-2007 by Fire Response Area will aid in the assessment of numbers of fires and their general location within each district.

County Risk Assessment

Through the County Risk Assessment, fuel hazards, frequency of wildfire occurrence and vulnerability of facilities and infrastructure were all considered to compile the following list of areas outside the WUI that are at risk from wildfire.

The Steering Committee attempted to identify large facilities that may be at risk from wildfires due to their location, function, or potential impact to the community if damaged or lost to wildfire. Once identified, these at-risk areas were prioritized to enable available financial and human resources to be concentrated on specific mitigation projects in the future.

For the purposes of this exercise, these areas were rated from low to high. Areas receiving the highest rating pose an increased risk due to their function, amount of nearby fuel load or likelihood to cause significant community impact in the event of damage or loss due to a wildfire. Mitigation projects for the at-risk areas include a wide array of activities. Removal or reduction in fuel load may be suggested for some areas with a public awareness campaign suggested for others.

Rating Key

High

Medium High

Medium

Low

Critical Infrastructure and Facilities

Water towers and other Water Facilities

The various water towers and other water facilities located throughout the county were rated as low. These structures have a low ignitability potential and are well maintained by the individual water associations.

Walthall County E911 Communications Tower

Walthall County has its E911 communications antenna on a tower on the north side of Tylertown. It has a large grassy area surrounding the tower that is mown regularly. The steering committee decided that this site should be rated as low.

Cell Towers

The various cell towers located throughout the county were rated as low. These structures have a low ignitability potential and are well maintained by the individual cell phone companies.

Walthall County Schools

Two county schools and the Pearl River County Head Start Center are located in rural Walthall County. These facilities were given a medium rating because while they have sufficient surrounding green space, the concentration of children is at risk from smoke.

Walthall County District Barns

The county barns are located in each of the supervisor districts, one is located within the city limits of Tylertown and was not mapped. These facilities were given a medium high rating because they generally house flammable materials and have insufficient surrounding green space. Also, these facilities serve as staging points for county response efforts during normal days as well as emergencies.

Vulnerable Facilities

Georgia-Pacific

This wood products manufacturer west of Tylertown is listed in the Hazard Mitigation Plan as a critical industry. Although the facility has ample green space, it is virtually surrounded by pine plantations and is at risk from smoke.

Stringer Industries

This manufacturer southeast of Tylertown is listed in the Hazard Mitigation Plan as a critical industry. Although the facility has ample green space, it is virtually surrounded by pine plantations and is at risk from smoke.

Walthall County Industrial Park

This industrial park southwest of Tylertown is home to multiple industries is listed in the Hazard Mitigation Plan as a critical industry. Although the facility has ample green space, it is virtually surrounded by pine plantations and is at risk from smoke.

Community Assets

No Community Assets were identified by the Steering Committee.

Emergency Preparedness

Emergency preparedness for each of the county volunteer fire departments was reviewed as a part of this planning process. Based on information provided by the Walthall County Fire Chief, this assessment involved factors such as equipment availability and age, public protection classification and manpower. Mutual aid agreements exist between all of the fire departments within the county, and many grants have been utilized over the years to obtain needed equipment.

Fire Districts and municipalities in the State of Mississippi receive a public protection classification through the Mississippi State Rating Bureau (MSRB). This classification is the basis for determining the fire insurance rating for each district. The Fire Districts within Walthall County are listed below with the corresponding MSRB classification: Mississippi State Rating Bureau Public Protection Classification List

District	Class
Enon VFD	8
Fourth District VFD	8
Lexie VFD	9
Third District VFD	9
Oak Grove VFD	9
Tylertown VFD	8

The departments are well-equipped and able to respond to the needs of the areas they serve, considering the resources that are available. However, Steering Committee members did identify improvements that could be made to provide better service within the districts.

Many persons still must seek employment in nearby cities and counties. For this reason, many volunteer firefighters must commute to work outside of their fire districts. This increases response time and decreases the number of firefighters that are able to respond to a call, especially during the day. Although the number of volunteers may vary somewhat in each district, countywide there ranges from 100 - 120 volunteers and according to the county fire chief, adequate staffing of the VFD's is not a problem.

There are many cases when it is necessary for Walthall County volunteer firefighters to work side-by-side with the Mississippi Forestry Commission. This has been a successful relationship resulting in improved protection of land area within Walthall County. It has been suggested that to keep the line of communication open regarding firefighting roles and responsibilities that both agencies begin to meet on a

biannual basis. These meetings would allow inter-agency concerns to be addressed as well as to provide training opportunities and project coordination.

In addition to the current MSRB Rating and manpower issues, equipment status has been assessed. The departments utilize a variety of large fire-fighting equipment and generally feel they are adequately equipped. The principle equipment need identified by the county fire coordinator was the need for better communications gear for the VFD's. Better equipment will not only result in better emergency preparedness but may also affect the insurance ratings of the homeowners. Departments are required to have a Class A Pumper in order to receive a Class 8 rating.

The following table lists the number of pumpers and tankers in each district. According to the county fire chief, while some are over 20 years old, they are generally in good condition and reliable. Since the recommended life of these trucks is 20 years, the Steering Committee generally felt that replacing some of the trucks was important.

District	# of Pumpers	# of Tankers	# of Brush Trks
Enon VFD	1	2	1
Fourth District VFD-Sartinville	1	1	1
Fourth District VFD-Salem	1	1	1
Fourth District VFD-Darbun	1		
Lexie VFD	1	2	2
Third District VFD-Dexter	1	1	1
Third District VFD-Improve	1	1	
Oak Grove VFD	2	1	
Tylertown VFD	3	2	

Mitigation Projects and Structure Ignitability Recommendations

Through the Community Risk Assessment several areas for improvement were identified. Mitigation projects for the at-risk areas may involve removal or reduction in fuel load for some, a public awareness campaign for others, or a combination approach.

No specific treatment projects for most of Critical Infrastructure sites were identified or found to be necessary at this time. These sites are generally well maintained and have moderate to low ignitability potential. However, installation of fire hydrants, more fire extinguishers, and increasing the surrounding green space at the five District Barns would lower their risk rating.

The three sites identified as Vulnerable Facilities were found to need no specific treatments at this time. Education of citizens residing near these facilities is recommended.

Mitigation projects for High Occurrence Wildfire Areas include a community outreach and education program involving the identification and prosecution of arsonists. County law enforcement personnel should strictly enforce burn bans and issue tickets for careless burning. The Steering Committee also identified the need for these areas to be revisited in the future for creation and implementation of other mitigation projects.

Mitigation Projects

1. Establish an outreach program involving education of residents living near vulnerable facilities

2. Establish a community outreach and education program involving identification and prosecution of arsonists and safe methods of debris burning for residents of high fire occurrence areas

3. Increase county law enforcement presence in high fire occurrence areas and investigate all fires and issue tickets for violations of burn bans and careless burning

4. Install fire hydrants near the District Barns, purchase more fire extinguishers for these facilities, and work to increase the surrounding green space.

In addition to mitigation projects, structure ignitability recommendations can be formulated and then distributed to homeowners. These recommendations, as condensed from information found at www.firewise.org, are steps that property owners

can take to improve the protection and survivability of a structure in the event of a wildfire.

1. Maintain minimum distance between structures as recommended by the National Fire Protection Association

2. Maintain a minimum radii of outside edge at dead end turnaround circle of 45 feet to provide for emergency vehicles on both surface ditch and curb/gutter roadways

3. Maintain minimum width standards for subdivision roads and access roads to individual homes per pending subdivision regulations

   - Min. width of surface ditch roadway with *local* designation: 28 ft.
   - Min. width of surface ditch roadway with *collector* designation: 34 ft.
   - Min. width of curb and gutter streets with *local* designation: 27 ft.
   - Min. width of curb and gutter streets with *collector* designation: 33 ft.

Structure Ignitability Recommendations – County

✓ Develop a homeowner education program

✓ Discourage homeowners from piling debris near homes or other structures that are easily flammable

✓ Encourage pumping station and electrical substation owners to create a 30-50 foot wide buffer strip around the facilities

✓ Establish a green space around each of the five District Barns

Structure Ignitability Recommendations – Landowners

✓ Provide a clearing of at least 30 feet around structure for firefighting equipment access

✓ Space trees at recommended distances

✓ Remove "ladder fuels" that can link grasses to tree tops

✓ Maintain the irrigation system

✓ Prune tree limbs so the lowest is between 6' - 10' from the ground

- ✓ Remove leaf clutter from roof and yard

- ✓ Mow regularly

- ✓ Remove dead and overhanging branches

- ✓ Store firewood away from the house

- ✓ Don't keep combustible materials under decks or elevated porches

- ✓ Make trellises of non-flammable metal

- ✓ Prevent sparks from entering your house by covering vents with wire mesh no larger than 1/8"

- ✓ Use construction materials that are fire-resistant or non-combustible when possible

Action Plan and Assessment Strategy

The Action Plan and Assessment Strategy portion of the Walthall County Wildfire Protection Plan serves to identify roles and responsibilities, funding needs, to set timetables for carrying out identified activities and to measure the plan's effectiveness.

1. Establish biannual meetings between the Mississippi Forestry Commission and the Walthall County Volunteer Fire Departments.

   Responsibility: Walthall County Emergency Management Agency, Walthall County Fire Chief and the Mississippi Forestry Commission

   Funding: $0

   Timetable for Completion: Implement Immediately

   Expected Outcome: Improved communication and coordination in the areas of firefighting, training, safety and project management

   Assessment Timetable: 2–5 years

2. Establish community outreach and education program that would include a mail-out. List specific fire concerns in the area and steps that homeowners can take to reduce ignitability potential. Instruction should be given on how to properly post addresses on homes.

   Responsibility: Walthall County Emergency Management Agency in coordination with Mississippi Forestry Commission and local Volunteer Fire Departments

   Funding: Homeland Security Fire Safety Grant, possible coordination with local utility or county agency for inclusion in regular mail-out

   Timetable for Completion: October 2009, Coordinate with Fire Prevention Awareness Month

   Expected Outcome: Implementation of Firewise safety measures by homeowners, including an increase in properly assigned and visible residential addressing as well as a decrease in non-compliant residential burns

   Assessment Timetable: Winter 2009

3. Maintain and update the grants/funding resource list included in CWPP document.

   Responsibility: Walthall County Emergency Management Agency and Southwest Mississippi Planning and Development District

   Funding: $0

   Timetable for Completion: Yearly

   Expected Outcome: Additional grant applications resulting in an increase of grant funds

   Assessment Timetable: Review applications v. funding annually

4. Increase law enforcement presence in high fire occurrence areas and issue tickets for violation of burn bans and for careless use of fire.

   Responsibility: Walthall County Law Enforcement

   Funding: $0

   Timetable for Completion: Immediately

   Expected Outcome: Increased community awareness of the county's sincerity in stopping wildfires

   Assessment Timetable: Annual review of the number of debris burning and incendiary fires in these high occurrence areas

5. Install fire hydrants, increase the number of fire extinguishers, and increase the amount of green space surrounding the District Barns.

   Responsibility: Walthall County Board of Supervisors

   Funding: Unknown

   Timetable for Completion: Immediately

   Expected Outcome: Lower the risk of these facilities being impacted by wildfires.

   Assessment Timetable: Annual review

6. Maintain, update and redistribute the CWPP maps to all county departments, volunteer fire departments and other organizations utilizing the document.

   Responsibility: Walthall County Emergency Management Agency, Southwest Mississippi Planning and Development District

   Funding: $0

   Timetable for Completion: Yearly

   Expected Outcome: Increased awareness of fire activity leading to implementation of action plan in an effort toward reduction of fire incidents

   Assessment Timetable: Make any additions or changes to maps on an annual basis and interview other organizations to see if the maps make their role in wildfire prevention more effective

Potential Funding Sources

1. Assistance to Firefighters Grant Program
   Website: www.firegrantsupport.com
   Application Deadline: Spring, 2009
   Program Description: Funding for training, equipment, vehicles,
                                        firefighter health and safety program and
                                        operations

2. Fire Prevention and Safety (FP&S) Grant Program
   Website: www.firegrantsupport.com
   Application Deadline: Fall, 2009
   Program Description: Outreach to high risk target groups including
                                        children, seniors and firefighters. Monitor
                                        website for further information on eligible
                                        activities

3. Staffing for Adequate Fire and Emergency Response (SAFER) Grant Program
   Website: www.firegrantsupport.com
   Application Deadline: Summer, 2009
   Program Description: Funding for the hiring of fire personnel and
                                        incentives for volunteer recruitment and
                                        retention

4. USDA Rural Development Community Facilities Grant Program
   Website: www.rurdev.usda.gov
   Application Deadline: Contact local USDA Representative
   Program Description: Funding for assistance in developing an
                                        essential community facility. Funds can be
                                        used to construct, enlarge, or improve
                                        community facilities for health care, public
                                        safety and community and public services.

5. U.S. Smokeless Tobacco Company Polaris Ranger Donation Program
   Website: www.ustinc.com
   Application Deadline: Unknown
   Program Description: Donation of Polaris Ranger 6X6 utility vehicles
                                        for firefighting, rescue, police, emergency
                                        medical service, and wildlife law enforcement
                                        organizations.

6. First Responder Institute Website
   Website: www.firstresponder.org
   Program Description: Provide support to local U.S. fire departments
                                        and emergency service personnel.

7. Responder Knowledge Base Website
   Website: www.rkb.mipt.org
   Program Description: Website contains information on currently available products, standards, training and grants

8. Grants Office
   Website: www.firegrants.info and www.grantsoffice.com
   Program Description: Provides info, tools, and tips to help fire departments be more successful at obtaining funds from the Assistance to Firefighters Grant Program.

References

1. Southwest Mississippi Multi-Jurisdictional Hazard Mitigation Plan - May 2006

2. Walthall County Comprehensive Emergency Management Plan – June 2006

4. Firewise Around Your Home brochure   -   www.firewise.org

5. USDA Forest Service - Preparing a Community Wildfire Protection Plan - March 2004

Project Contact Information

1. Walthall County Emergency Management
    P.O. Box 351
    Tylertown, MS 39667
    Phone: (601) 730-2003

2. Mississippi Forestry Commission
    515 County Farm Lane NE
    Brookhaven, MS 39602
    Phone: (601) 833-6621
    Fax: (601) 833-2598
    www.mfc.state.ms.us

3. Southwest Mississippi Planning and Development District
    100 South Wall Street
    Natchez, MS 39120
    Phone: (601) 446-6044
    Fax: (601) 446-6071
    www.swmpdd.com

Walthall County
Mississippi
Wildfire Protection Plan Base Map
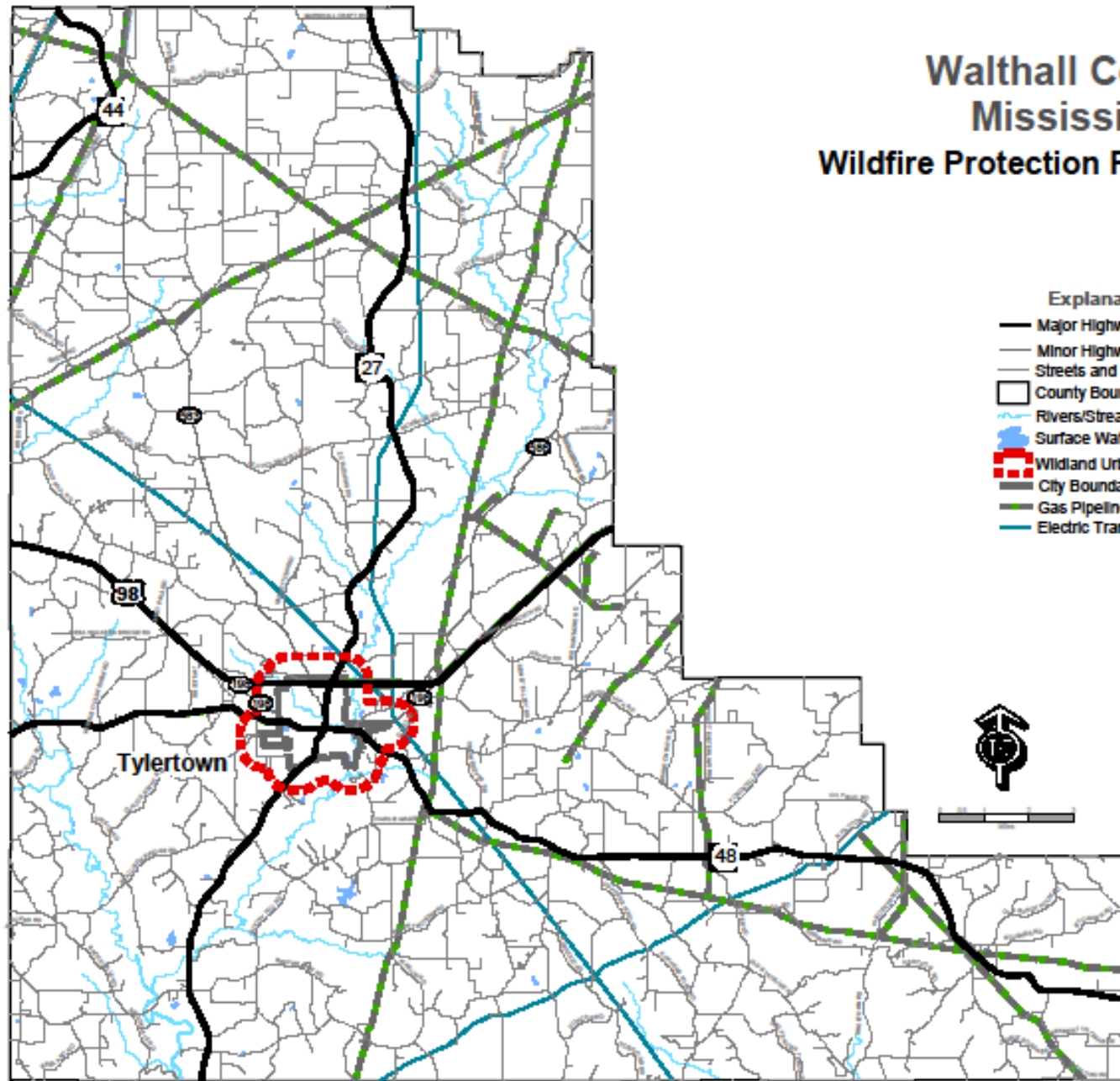
Explanation
— Major Highways
— Minor Highways
— Streets and Roads
□ County Boundary
— Rivers/Streams
■ Surface Water
⬭ Wildland Urban Interface
— City Boundary
— Gas Pipelines
— Electric Trans. Lines

Tylertown

Prepared By:

SWMPDD

Southwest Mississippi
Planning & Development
with Funding from the
Mississippi Forestry Commission
September, 2008

Walthall County
Mississippi

Wildfire Protection Plan - Fire Occurrences

Explanation
- FY2002 Wildfires
- FY2003 Wildfires
- FY2004 Wildfires
- FY2005 Wildfires
- FY2006 Wildfires
- FY2007 Wildfires
- Major Highways
- Minor Highways
- Streets and Roads
- County Boundary
- Rivers/Streams
- Surface Water
- Wildland Urban Interface
- City Boundary
- Gas Pipelines
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Tylertown

Prepared By:

SWMPDD

Southwest Mississippi
Planning & Development
with Funding from the
Mississippi Forestry Commission
September, 2008

Walthall County
Mississippi

Wildfire Protection Plan - Facility Classification

Explanation
- Critical Infrastructure or Facility
- Vulnerable Facility
- Community Asset
- Major Highways
- Minor Highways
- Streets and Roads
- County Boundary
- Rivers/Streams
- Surface Water
- Wildland Urban Interface
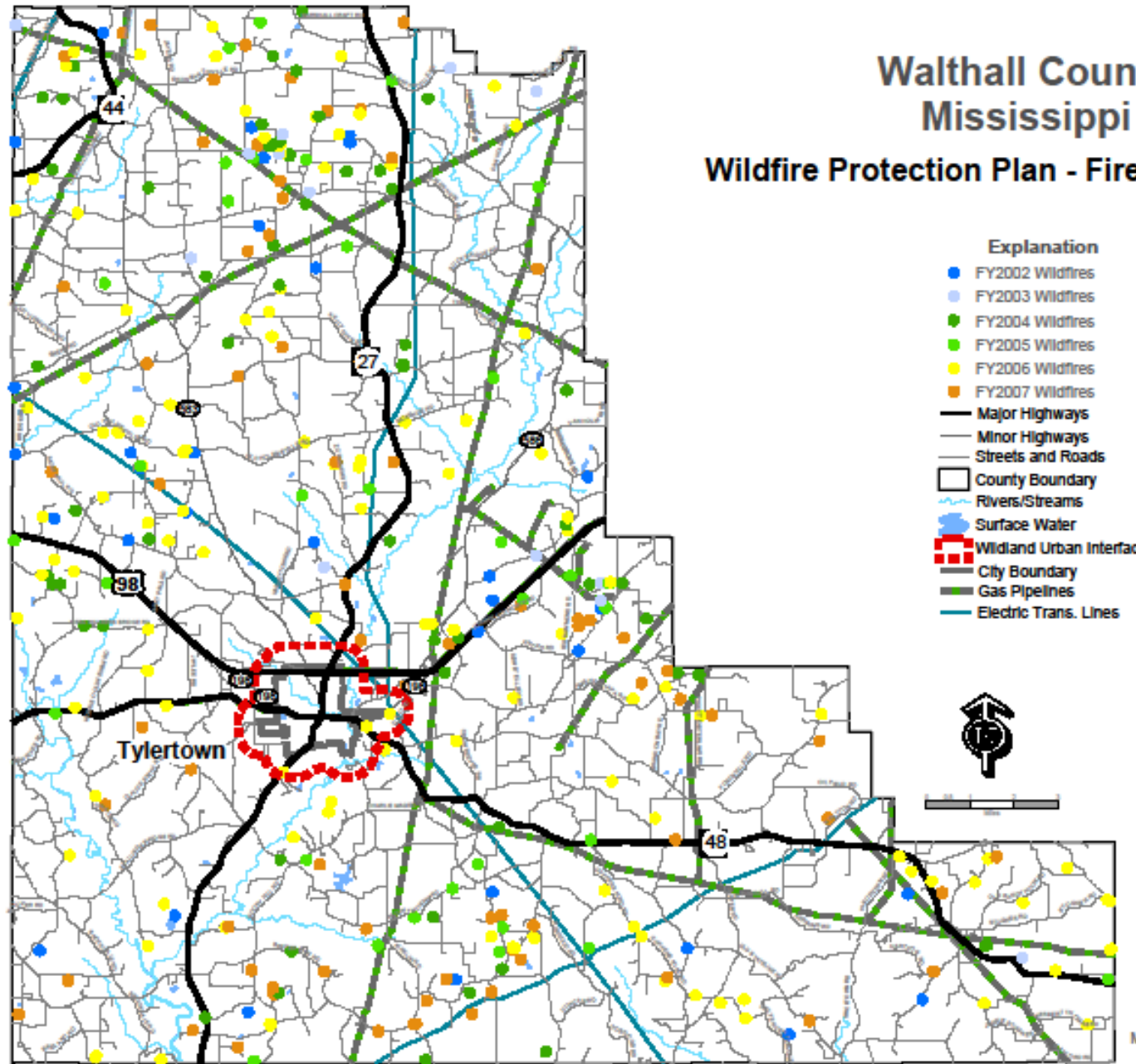- City Boundary
- Gas Pipelines
- Electric Trans. Lines

Water Facility
Water Facility
Salem School
District 5 Barn
District 4 Barn
Water Tower
Pearl River Head Start
Water Facility
Georgia-Pacific
Water Tower
Walthall County E911 Comm. Tower
Tylertown
Stringer Industries
Water Facility
Water Tower
Walthall County Industrial Park
Dexter School
District 1 Barn
District 3 Barn
Water Facility
Water Tower
Water Facility

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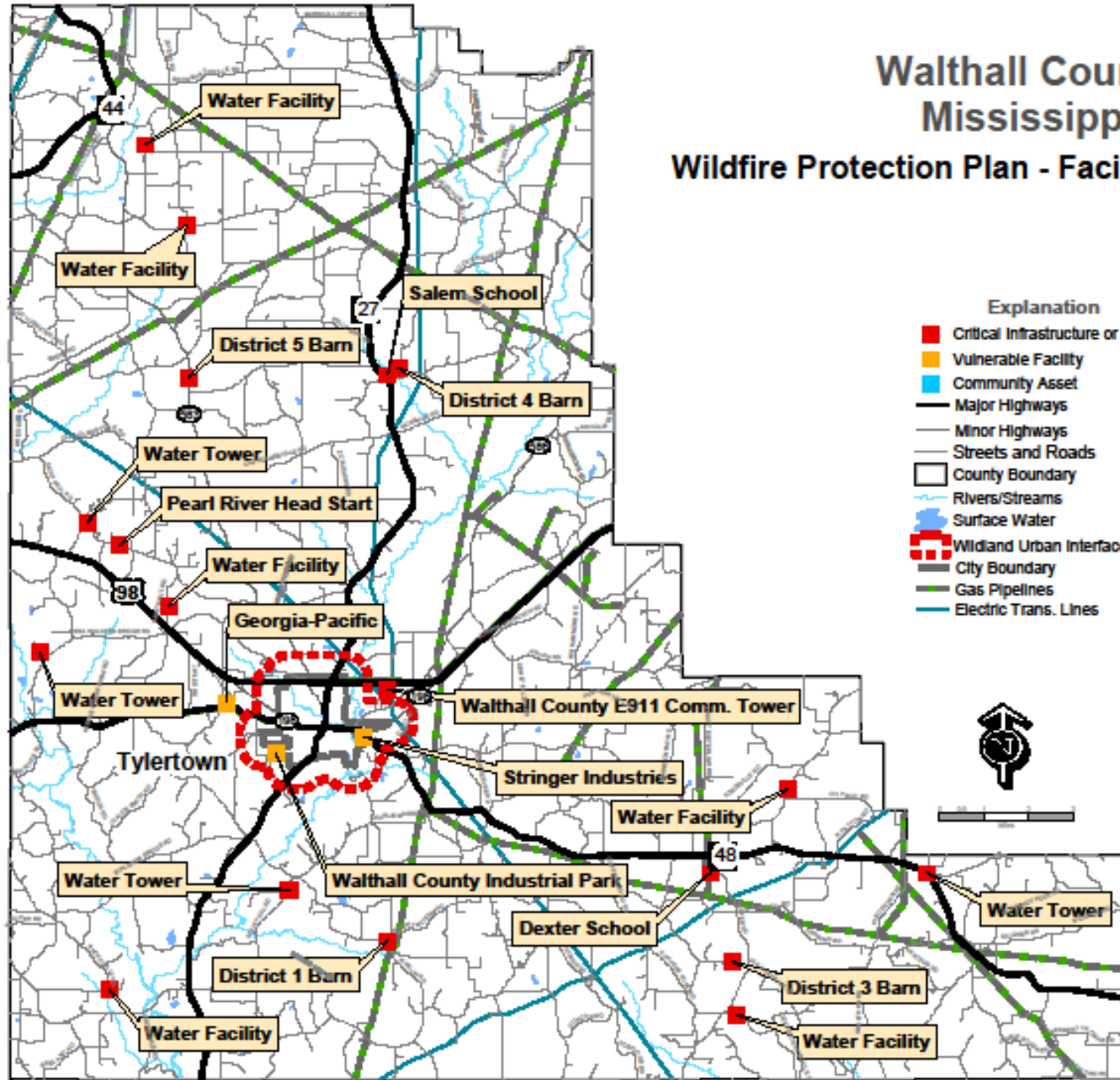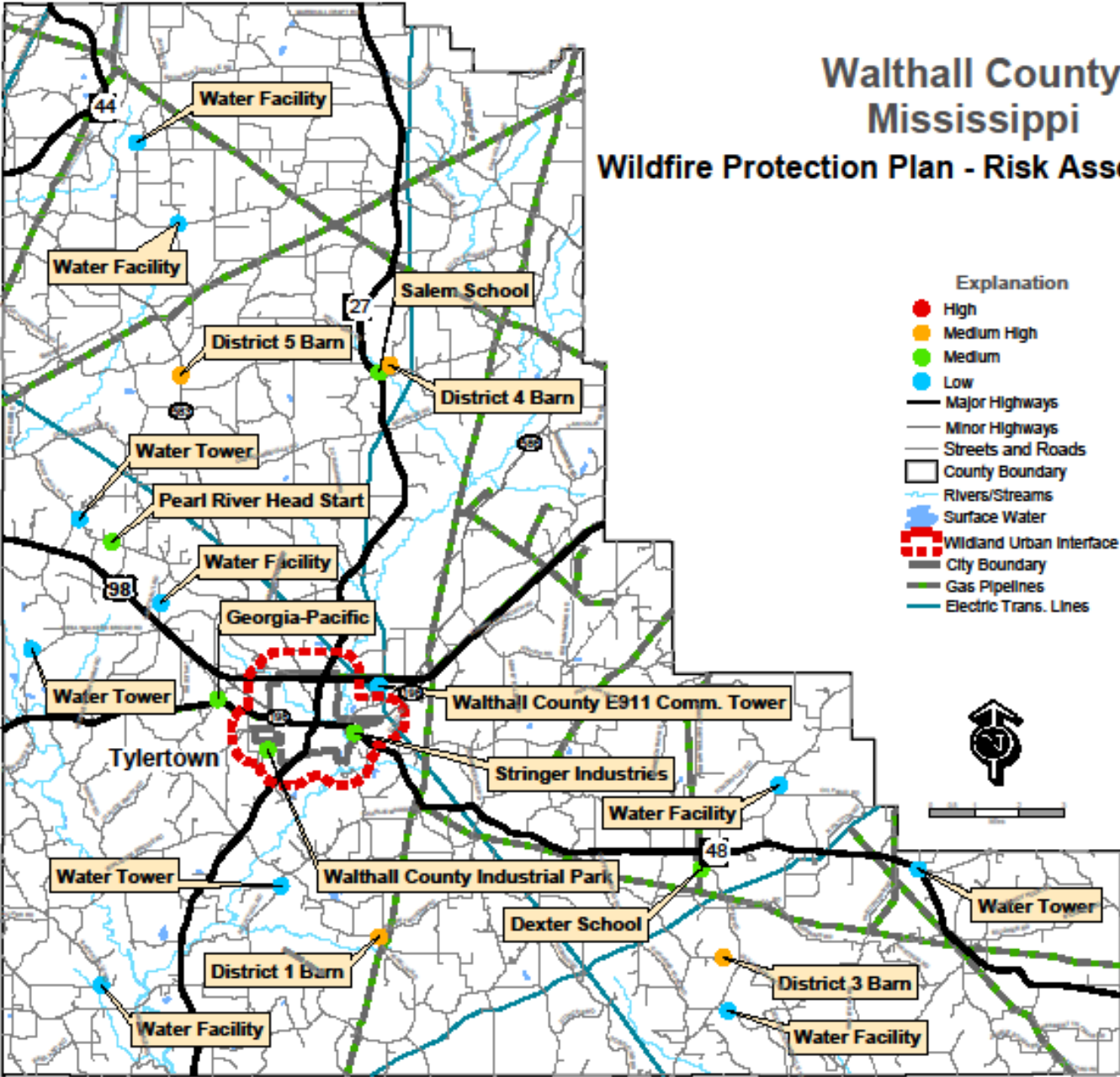September, 2008

Walthall County
Mississippi
Wildfire Protection Plan - Risk Assessment Ratings

Explanation
- High
- Medium High
- Medium
- Low
- Major Highways
- Minor Highways
- Streets and Roads
- County Boundary
- Rivers/Streams
- Surface Water
- Wildland Urban Interface
- City Boundary
- Gas Pipelines
- Electric Trans. Lines

Water Facility
Water Facility
Salem School
District 5 Barn
District 4 Barn
Water Tower
Pearl River Head Start
Water Facility
Georgia-Pacific
Water Tower
Walthall County E911 Comm. Tower
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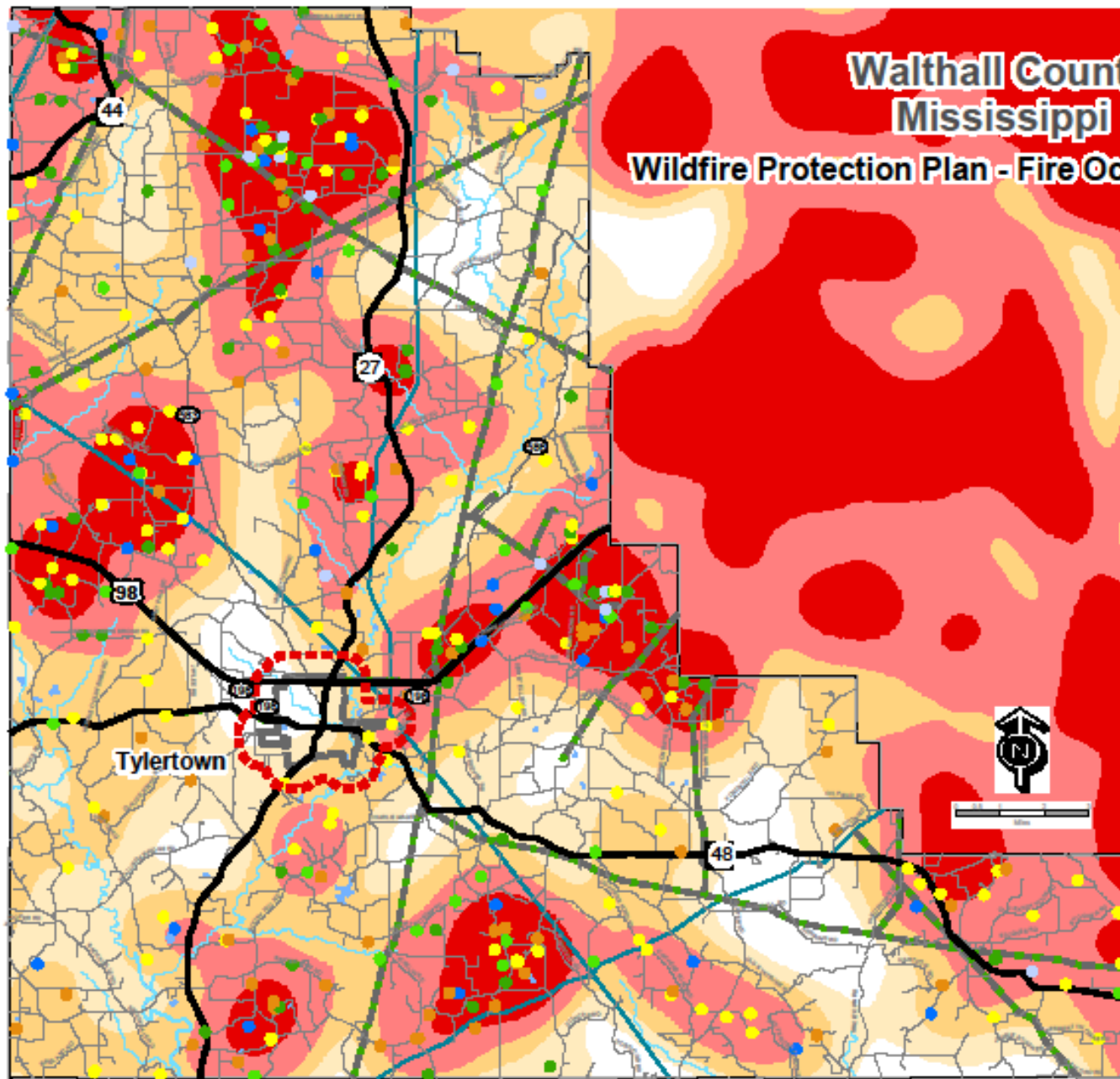September, 2008

Walthall County
Mississippi
Wildfire Protection Plan - Fire Occurrence Areas

Explanation
- High Concentration
- Medium Concentration
- Moderate Concentration
- Low Concentration
- Other
- FY2002 Wildfires
- FY2003 Wildfires
- FY2004 Wildfires
- FY2005 Wildfires
- FY2006 Wildfires
- FY2007 Wildfires
- Major Highways
- Minor Highways
- Streets and Roads
- County Boundary
- Rivers/Streams
- Surface Water
- Wildland Urban Interface
- City Boundary
- Gas Pipelines
- Electric Trans. Lines

Prepared By:

SWMPDD

Southwest Mississippi
Planning & Development
with Funding from the
Mississippi Forestry Commission
September, 2008

Walthall County
Mississippi
Wildfire Protection Plan - Arson Caused Fires
FY 2002 - FY2007
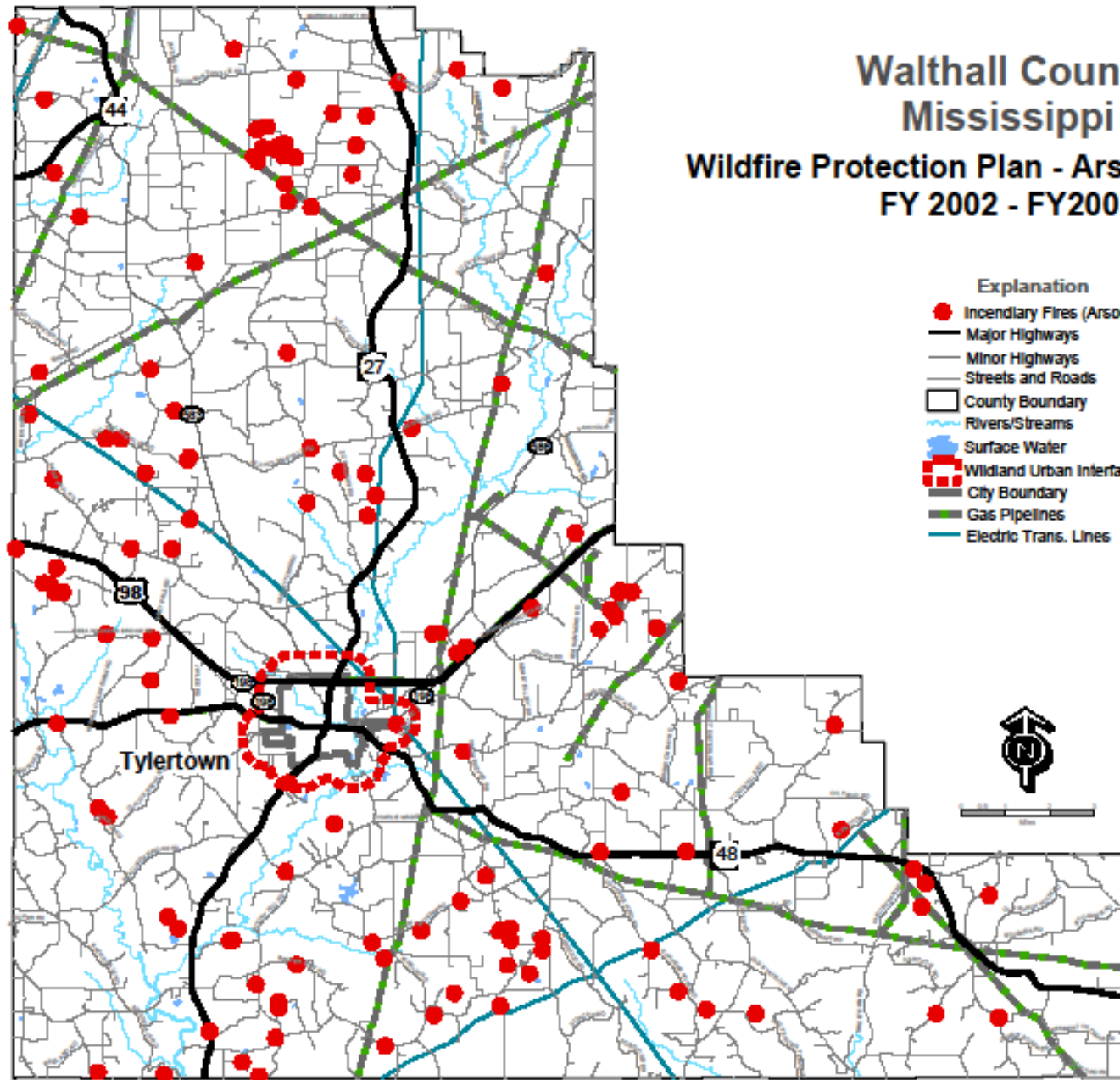
Explanation
- Incendiary Fires (Arson)
- Major Highways
- Minor Highways
- Streets and Roads
- County Boundary
- Rivers/Streams
- Surface Water
- Wildland Urban Interface
- City Boundary
- Gas Pipelines
- Electric Trans. Lines

Tylertown

Prepared By:

SWMPDD

Southwest Mississippi
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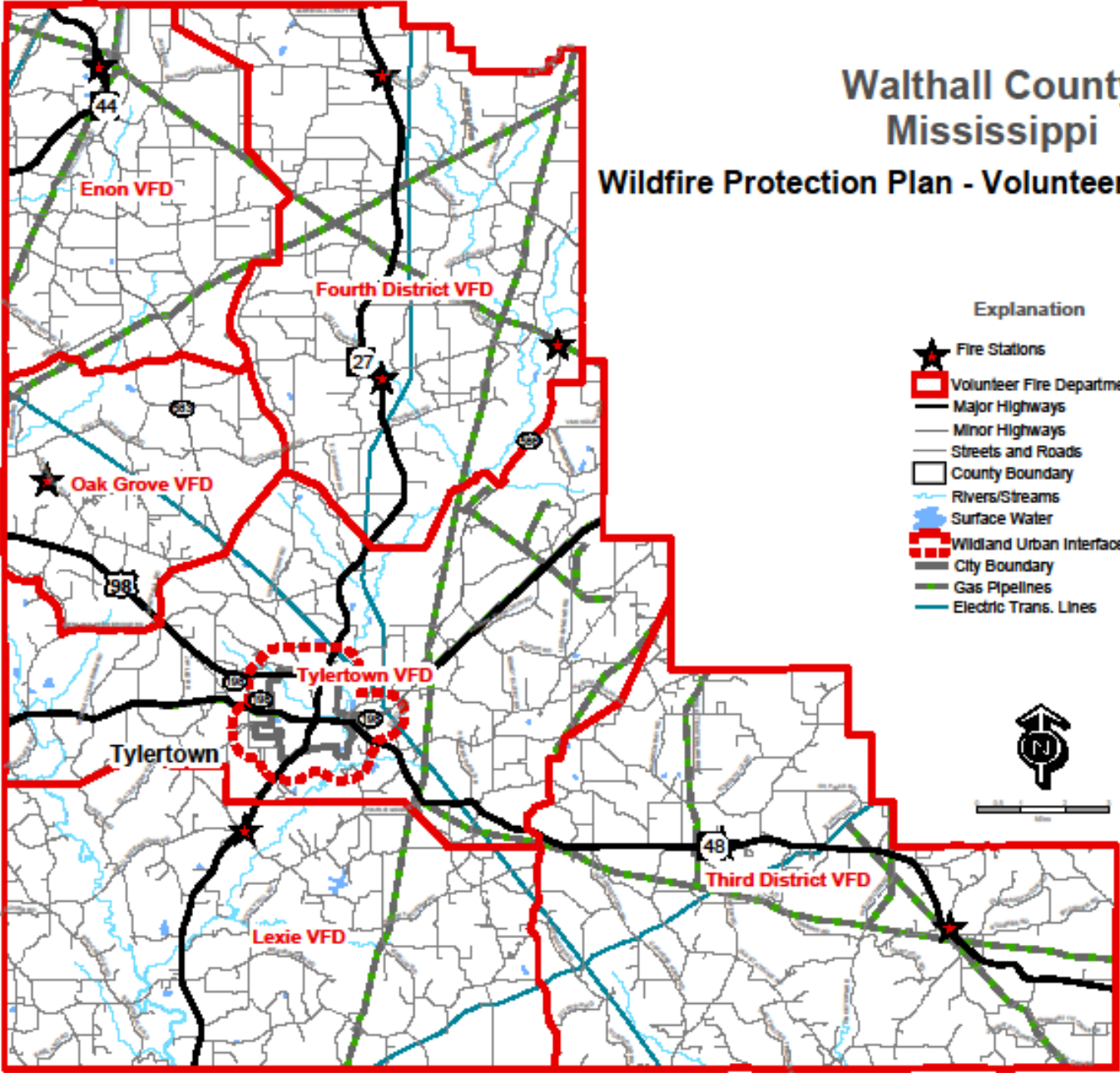September, 2008

Walthall County
Mississippi

## Wildfire Protection Plan - Volunteer Fire Departments

Enon VFD

Fourth District VFD

Oak Grove VFD

Tylertown VFD

Tylertown

Lexie VFD

Third District VFD

Explanation

★ Fire Stations
▢ Volunteer Fire Departments
— Major Highways
— Minor Highways
— Streets and Roads
▢ County Boundary
~ Rivers/Streams
▨ Surface Water
▢ Wildland Urban Interface
— City Boundary
— Gas Pipelines
— Electric Trans. Lines

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Southwest Mississippi
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September, 2008

Walthall County
Mississippi
Wildfire Protection Plan - Volunteer Fire Departments and FY2002 - FY2007 Fires
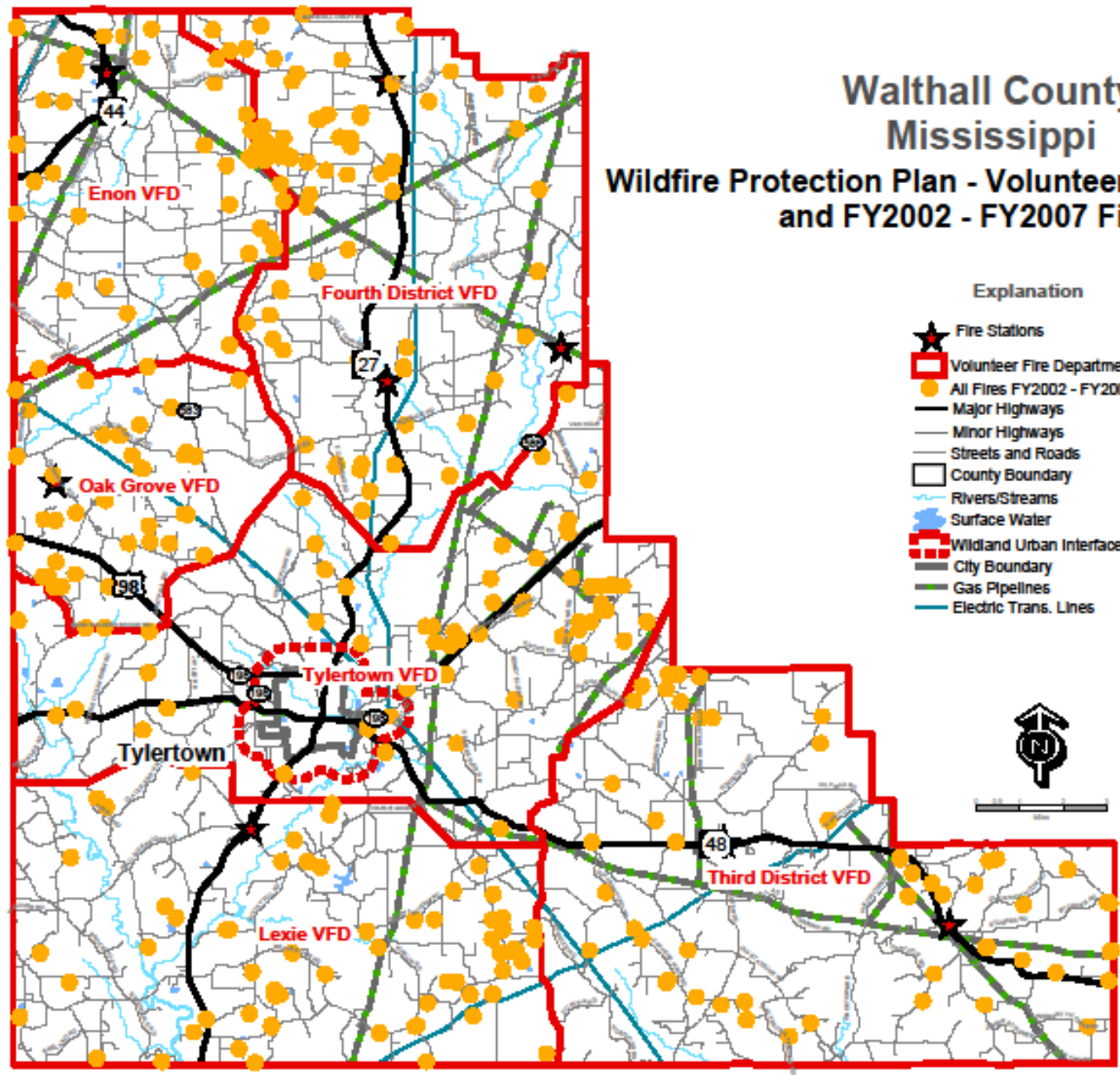
Explanation

★ Fire Stations
▢ Volunteer Fire Departments
● All Fires FY2002 - FY2007
— Major Highways
— Minor Highways
— Streets and Roads
▢ County Boundary
— Rivers/Streams
▨ Surface Water
▨ Wildland Urban Interface
— City Boundary
— Gas Pipelines
— Electric Trans. Lines

Enon VFD
Fourth District VFD
Oak Grove VFD
Tylertown VFD
Tylertown
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