



The **Tishomingo**

Firewise Protection Plan

AN ACTION PLAN FOR WILDFIRE MITIGATION

DATE: 7/22/2010

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

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

Name	Organization
Tommy Sheppard	SODA
Bo McIlvoy	SODA
Wesley Sanders	Johnston County
Paul Wilson	Tishomingo Fire Department
Michael Martin	Tishomingo Fire Department



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1) COMMUNITY BACKGROUND AND EXISTING SITUATION

Community Description:

County: Johnston Latitude/Longitude: 034.236/-096.681
 Frontage Road: Maple Nearest Intersection: Neil Armstrong & Fsiher
 Nearest Fire Department (name/location): Tishomingo Volunteer Fire Department
 Interface Areas: 99 (+/-) Square Miles Year Established: 1965
 Map #: See Appendix

Community Size:

Number of Lots: 4000 Number of Structures: 2,000
 Estimated Acres: 63,000 Development Status: Rural

Community Infrastructure:

Home Owners Association/Organization: Yes No *If yes, attach a copy of ordinances.*

Contacts:

Name N/A
 Address _____
 Phone Number _____
 Other Contact Information _____

Name _____
 Address _____
 Phone Number _____
 Other Contact Information _____

Resident Population:

Full Time
 Part-Time: 100-75% 75-50% 50-25% less than 25%

Wildfire Hazard Rating: (check one)

Low Moderate High Extreme

Date Evaluated: 4/13/10 *Attach Community Assessment Form.*

Community Assessment Highlights (roads, water sources, primary fuel types, utilities and topography)

The Tishomingo Community Assessment Highlights are lack of water capacity, property accessibility, dispatch/911 issues, and public education. The community of Tishomingo received a score of 147 placing it in the "Moderate Risk" hazard range.

Roads:

There is approximately 60 miles of roads in this community. The road system consists of primary roads being paved while most secondary roads are gravel and/or dirt. The majority of these secondary roads are narrow and overgrown in many places. There are several dead-end roads that are too narrow for wildfire suppression equipment and in some cases are the only escape routes.

Topography:

The topography of Tishomingo is basically flat with a slight slope to the southwest. This slope is very slight and not noticeable but still enough for the wastewater system to be a free flow with the use of 11 forced lines.

Primary fuel types & Topography:

Vegetation consists of a mixture of hardwoods, red cedar, and native grasses. The heaviest concentrations of fuel can be found on undeveloped lots, and along low lying drainage areas. The topography is basically flat to rolling hills with rocky protrusions.

Water Sources in the community:

There are 119 hydrants located within the town limits and 0 hydrants out in the county area. Residents inside the Tishomingo Fire District are either on a Town Water system, Rural Water District #, or have their own wells.

Utilities:

The electric lines are above ground and the right-of-ways are not regularly maintained. Red cedar grows in abundance and is heavily located along fence rows and under power lines.

Community Wildfire History: (include surrounding areas)

Over the past 10 years Tishomingo has been threatened several times by a number of large wildfires. Major fires such as the ones in the winter of 2005 posed major threats to critical infrastructures and to human life. Due to the actions of brave volunteer firefighters, Tishomingo has escaped several potentially catastrophic occurrences with only minor property damage.

Relative Frequency:	There are approximately 55 wildland fires annually.
Common Causes:	Common causes include Hwy 377/99 & HWY 7 traffic/cigarettes; agriculture equipment failure; electrical; burning of brush.
Areas of Future Concern:	Control burns; cleaning sides of roads; and improving accessibility to pastures and structures.
Additional Comments:	With no water hydrants outside the town limits, there is a severe lack of water hydrants in the OPA. Tishomingo is served by Johnston County Rural Water District #1 that is comprised of a series of wells. There are too many families for the existing water supply along with small water lines creating low water pressure for firefighting purposes.



2) COMMUNITY BASE MAP AND OTHER VISUALS

Community base maps with and without aerial photography are instrumental in preparing a Wildfire Protection Plan

3) OBJECTIVES / GOALS

Objectives:

The objectives of this plan/report are to set clear priorities for the implementation of wildfire mitigation in the community and fire district of Tishomingo, Oklahoma. This includes prioritized recommendations for the community as a whole and also for individual homeowners where appropriate.

Goals:

1. Establish safety zones around all homes.
2. Reduce vegetative fuel loads along roadways, gas lines, and other ignitable areas.
3. Replace poor performing fire hydrants and place additional fire hydrants to unprotected areas.
4. Increase accessibility for emergency vehicles.
5. Public Education
6. Yearly evaluation of plan to monitor progress.



4) PRIORTIZED MITIGATION RECOMMENDATIONS

The following recommendations were developed by the Tishomingo Community Firewise Board Members and as a result of the community wildfire risk assessment and follow-up meetings with local, state, federal and community stakeholders, a priority order was determined based on which mitigation projects would best reduce the hazard of wildfire in the assessment area.

Proposed Community Hazard Reduction Priorities:

List area and treatment recommended.

1. Seek funding for at least 20 additional hydrants in the northern part of the district.
2. Develop a greater defensible space around residential structures and reduce vegetative fuels.
3. Clean-up of vacant lots located in and out of Town limits to reduce vegetative fuels in the district.
4. Seek funding for Fuel mitigation money to help reduce ladder fuels and clear some entrances that have over hanging trees.
5. Encourage and assist with increasing driveway widths and standardized accessibility, particularly to pasture and oilfield sites, for responding fire fighters or emergency personnel.

Proposed Structural Ignitability Reduction Priorities:

1. Community education concerning increasing defensible space around residential structures
2. Assistance to elderly for individual home assessment to include heat/air sources.
3. Encourage and assist with increasing widths of driveways and city streets, and standardized accessibility, particularly to pasture and oilfield sites, for responding fire fighters or emergency personnel.

Proposed Education and Outreach Priorities:

1. Distribute FireWise Informational packets
2. Plan Community Clean-up week in conjunction with State Trash-off Week during April
3. Firefighters to present FireWise information during Fire Safety week in October
4. Booth or demonstration with FireWise Informational packets distributed during the annual Tishomingo fair the first weekend in July.





5) ACTION PLAN

Funding Needs:

Outline each project (list highest priority projects first) including estimated cost and potential funding sources.

1. Seek funding for 20 more fire hydrants in the northern part of the fire district. Currently there are 119 fire hydrants in the Town of Tishomingo Fire District. Some hydrants are not functional and funding will have to be found to replace the current 4-inch lines that the hydrants are on now, and additional water sources will need to be developed or improved as well as requesting a booster station for increased water pressure and adequate water capacity. Funding sources will be OWRB, CDBG, REAP for the water improvements and Oklahoma Forestry and FEMA for fire hydrants.
2. Seek funding from the Fuel Mitigation Grant for building of roads for fire defense and mitigation between Pennington Creek and the Washita River. Once money is received and clearing utensil purchased, land can be cleared within the year and roads being built.
3. Minimal road signage was installed by Johnston County when the E911 program was established, but additional signage is needed and funding to replace stolen signs are needed also. Tishomingo FD goes through Johnston County and if applying for REAP it must be through the County. Therefore funding will be requested from the Johnston County Commissioners from REAP and the E911 funds collected.
4. Tishomingo Fire District would like to seek funding for Fire rakes and Pulaskis for fuel reduction in the areas that have been labeled as areas of concern. Once the funding has been received the ladder fuels can be handled with the year.
5. Currently the community of Tishomingo only has one siren (not working) for warning the citizens of impending emergency conditions. Previous requests for funding for siren systems could not be granted due to the allocated money from Oklahoma Emergency Management being dispersed for larger emergencies such as the wildfires of 2005-2006. The Tishomingo FD will continue to seek funding from FEMA and Oklahoma Emergency Management as the money comes available.

6. Tishomingo needs a 4-5 man cab truck with water capabilities. They currently run auto accidents with a truck that has not water access. If an auto accident needs water, it could be another 10 minutes before water arrives.

Timetables:

For each project (list highest priority projects first), provide an estimated duration, start date and targeted completion date.

1. Placement of dry hydrants will depend upon the timeframe of any received grant. FEMA is usually awarded during the summer and placement could be completed within a 60 day period. REAP is usually awarded in late fall and placement could have to be postponed for 6 months due to adverse weather conditions.
2. Once the mitigation grant has been applied for and money received, the roads could be cut material laid within 2 years. Time mainly depends on whether or not it is contracted out or done by the fire department.
3. Money will probably not be forthcoming from Johnston County for any type of signage as the County is already strapped trying to meet unfunded mandates for the E911 program. Also, the community of Tishomingo is not a high priority in the larger picture of Johnston County. Should money become available for this priority, volunteers from the Tishomingo Volunteer Fire Department as well as from the community would place proper signage within 120 days of receiving the requested signs.
4. We do not know yet when the Fuel Mitigation Grants will come out or are do. As soon as money is received, work could be done within the year.
5. Sirens can be professionally installed within 60 days after funds have been received for this project.
6. Grants are applied for annually and once the truck is purchased a skid unit can be put on it with a 3-4 months.

Assessment:

Describe the strategy used to assess the plans progress and effectiveness.

1. Meetings of the Tishomingo Community FireWise Board will review all projects and evaluate the efforts by holding periodical Public Hearings of the community and encouraging public discussion and input.
2. Copy of applications to show that the grants are being applied for. Before and after pictures of the land to show that the roads are being built..
3. Before and after pictures of intersection throughout the fire district.
4. Before and after picture of local areas of concern to show that some clearing has been done.
5. Sound test once the siren is installed.
6. Pictures of the truck and copy of forms that these grants are being applied for.



6) WILDFIRE PRE-SUPPRESSION PLAN

A. Wildfire Protection Responsibility

Structural Protection: Tishomingo Volunteer Fire Department

Wildland Protection: Tishomingo Volunteer Fire Department, 10 other Johnston County fire departments has formal mutual aid agreements with.

B. Alarm Response

First Alarm

Fire Department/Rescue Squad	Travel Distance	Response Time
Ravia Volunteer Fire Department	5 miles	5-7 minutes
Milburn Fire Department	8 miles	10-15 minutes

Second Alarm (report to designated staging area)

Fire Department/Rescue Squad	Travel Distance	Response Time
Reagan VFD	10	10
Connerville VFD	20	30
Bee Butcher Pen VFD	15	20

C. Water Availability (must be accessible to fire engines)

Location: <u>Rock Crusher Plan</u>	Description: <u>Large pond/lake, used for tankers but plugs up pumps</u>
Location: <u>Tishomingo Fire Station</u>	Description: <u>7,500-10,000 gallons stored on trucks</u>
Location: <u></u>	Description: <u></u>
Location: <u></u>	Description: <u></u>

D. Communications (Attach Communications Plan if available)

Name	Phone Number	Radio Frequencies
Dispatch/Fire Departments		
Tishomingo VFD	580-380-9558	154.190
Milburn	911/580-443-5555	154.190
Reagan	911	154.190
Local Department of Forestry Office		
Kevin Keys	580-223-3973	
Other		
Tommy Sheppard (Rural Fire Dir.)	580-920-1388	N/A

E. Evacuation (Attach Evacuation Plan)

Evacuation map was determined by focusing on bringing the outermost residents living on gravel roads to paved roads and on to State Highways and then to destinations out of harm’s way. Residents living within the community will be directed to State Highways and then to pre-determined safe destinations according to type of emergency incident. Evacuation map is attached.

F. Resource List

Name	Contact Information	Payment Information
Support Agencies		
SODA	Tommy Sheppard	Paid through State grant
Tractor Operators		
Johnston County	Johnston County Commissioners	N/A
Local Farmers	Local numbers	N/A
		N/A
		N/A
		N/A
Crews		
Utilities		
OG&E	1-800-272-9741	N/A

PEC	580-332-3031	
Fuel		
E-Z Mart/Valero	580-371-3645	
E-Z Mart/Valero	580-371-3628	
Food and Supplies		
Sooner Foods	580-371-2234	
E-Z Mart	580-371-3628	
Lodging		
Western Inn	580-371-2358	
Tishomingo Inn	580-371-9400	



7) ADDITIONAL COMMENTS

Legend

Critical Facilities

Type

-  Cemetery
-  City Hall
-  Courthouse
-  Elementary School
-  High School
-  Hospital
-  Middle School
-  Murray State College

8) HIGH VULNERABILITY AREAS & RECOMMENDATIONS (see appendix G)

9) ATTACHMENTS



Appendix A

Community Wildfire Hazard

&

Risk Assessment Worksheet

**OKLAHOMA FORESTRY DIVISION
COMMUNITY WILDFIRE RISK AND HAZARD ASSESSMENT**

Forestry Office: _____
 Community: Tishomingo County: Johnston
 Latitude: 34.236 Longitude: -96.681
 Fire Department: Tishomingo
 Date: 4/17/10
 Acres: 63,000 Lots: 400 Homes: 2000 Future Homes 7/yr

CALCULATING THE WILDFIRE HAZARD RATING

SUBDIVISION DESIGN HAZARD RATING	+ SITE HAZARD RATING	+ BUILDING CONSTRUCTION HAZARD RATING	+ ADDITIONAL FACTOR HAZARD RATING	= OVERALL WILDFIRE HAZARD RATING
29	48	35	35	147

SUBDIVISION DESIGN RATING	Rating	
ACCESS		
Two or more roads	0	7
One road, plus alternative	3	
One road in/out	7	
SUBDIVISION BRIDGES		
No bridges or bridges with no weight and or width restrictions	0	0
Low weight or narrow bridges restricting emergency access	5	
PRIMARY ROAD WIDTHS		
>24 ft	0	2
>20 ft and <24 ft	2	
<20 ft	4	
ACCESSIBILITY		
Surfaced road, grade < 5%	0	5
Surfaced road, grade > 5%	2	
Non-surface road, grade < 5%	2	
Non-surface road, grade > 5%	5	
Other than all-season road	7	
SECONDARY ROAD TERMINUS		
< 300 ft with turnaround	0	5
> 300 ft with turnaround	2	
< 300 ft without turnaround	4	
> 300 ft without turnaround	5	
UNSAFE ROADWAY		
No flammable vegetation threat	0	5
Highly flammable vegetation along road	5	
STREET SIGNS		
Present 4 inches in size and reflective	0	5
Not present	5	
TOTAL SUBDIVISION DESIGN		29

**OKLAHOMA FORESTRY DIVISION
COMMUNITY WILDFIRE RISK AND HAZARD ASSESSMENT**

SITE HAZARD RATING: (Within 30 feet of structure based on a majority of the properties in the community)	Rating	
DRIVEWAY CHARACTERISTICS		
Less than 150 feet long	0	3
More than 150 ft with minimum 45 foot outside radius turnaround	3	
More than 150 ft with inadequate turnaround	5	
Average driveway width more than 12 ft	0	5
Average driveway width less than 12 ft	5	
No obstructing overhead branches below 15 ft	0	5
Obstructing overhead branches below 15 ft	5	
No bridges or bridges with no weight or width restrictions	0	5
Bridges restricting emergency vehicle access	5	
Slopes level or less than 10 %	0	0
Slopes over 10%	5	
No gate/non-locking gate	0	0
Locked gate	5	
Address clearly visible from road	0	5
Address not visible from road	5	
DOMINANT TREES (within 100 ft of homes)		
Deciduous	1	5
Mixed	5	
Evergreen	10	
LADDER FUELS		
Evergreen branches close to ground	5	5
Evergreen branches pruned up at least 6 ft	0	
VEGETATION (predominant type throughout community)		
Light (e.g. grasses and forbs) NFDRS Fuel Models A, C, L, N, S and T	5	10
Medium (e.g. light brush and small trees) NFDRS Fuel Models D, E, F, H, P, Q and U	10	
Heavy (e.g. dense brush, timber and hardwoods) NFDRS Fuel Models B, G and O	20	
Slash (e.g. timber harvesting residue) NFDRS Fuel Models J, K and L	25	
SLOPE OF PROPERTY		
Flat (0-5%)	0	0
Moderate (6-20%)	2	
Steep (over 20%)	4	
DEFENSIBLE SPACE		
No trees, shrubs or tall grass within 30 ft	0	
Well spaced trees and shrubs within 30 ft	10	
Touching crowns or tall grass within 30 ft	20	
No unthinned or unmanaged timber within 100 ft	0	5
Unthinned or unmanaged timber within 100ft	5	
TOTAL SITE HAZARD RATING		48

**OKLAHOMA FORESTRY DIVISION
COMMUNITY WILDFIRE RISK AND HAZARD ASSESSMENT**

BUILDING CONSTRUCTION HAZARD RATING		Rating	
ROOFING MATERIALS			
Greater than 75% of homes have metal, tile or Class A shingles	0	15	
50 to 75% of homes have a metal, tile or Class A shingles	10		
Less than 50% of homes have metal, tile or Class A shingles	15		
SIDING / SOFFETS			
Greater than 75% of homes have fire resistant siding and soffets	0	10	
50 to 75% of homes have fire resistant siding and soffets	5		
Less than 50% of homes have fire resistant siding and soffets	10		
UNDERSKIRTING			
Greater than 75% of homes have the equivalent of fine mesh screening underneath	0	10	
50 to 75% of the homes have the equivalent of fine mesh screening underneath	5		
Less than 50% of the homes have the equivalent of fine mesh screening underneath	10		
TOTAL BUILDING CONSTRUCTION HAZARD RATING		35	
ADDITIONAL HAZARD FACTORS		Rating	
FIRE CONTROL WATER SUPPLY			
Pressurized hydrants with minimum 500 gpm < 1,000 ft apart	0	7	
Pressurized hydrants with < 500 gpm or spaced > 1,000 ft apart	2		
Dry hydrant(s) available year round within the community	2		
Other accessible sources within community	5		
Water sources located within 4 road miles of community	7		
No water sources within 4 miles of the community	15		
UTILITIES			
Both underground	0	5	
One underground, one above ground	3		
Both aboveground	5		
SURROUNDING ENVIRONMENT			
Community is not surrounded by any large natural landscape	0	10	
Large natural landscape adjoins one side of the community	5		
Large natural landscape adjoins two sides of the community	10		
Large natural landscape adjoins three sides of the community	15		
Community is completely surrounded by natural landscape	20		
UNDEVELOPED LOTS			
Less than 10% of lots have not been developed and pose no additional wildfire hazard due to lack of maintenance	0	3	
10 to 50% of lots have not been developed	3		
51 to 75% of lots have not been developed	5		
Greater than 75% of lots have not been developed	10		
RISK LOCATION			
Community is located within the following designated Wildfire Risk Areas according to the Southern Wildfire Risk Assessment			
Low	0	10	
Medium	10		
High	20		
TOTAL ADDITIONAL HAZARD FACTORS		35	

**OKLAHOMA FORESTRY DIVISION
COMMUNITY WILDFIRE RISK AND HAZARD ASSESSMENT**

What does the Wildfire Hazard Rating mean?

Using the Wildfire Hazard Assessment, the highest possible rating is 247 points.

Communities can be divided into the following four risk categories:

- Low Risk:** **Total Wildfire Hazard Rating is 0 – 90 points**
The chances of a majority of homes in the community surviving a wildfire are **GOOD**. Little is needed to improve the community. Keep up the good work.
- Moderate Risk:** **Total Wildfire Hazard Rating is 91 – 155 points**
The chances of a majority of homes in the community surviving a wildfire are **FAIR**. Some minor improvements will make the community more fire resistant. Check the areas on the form in which you scored poorly.
- High Risk:** **Total Wildfire Hazard Rating is Over 155 points**
The chances of a majority of homes in the community surviving a wildfire are **NOT GOOD**. Some improvements in structure and site are necessary.
- Extreme Risk:** **Total Wildfire Hazard Rating is Over 170 points**
The community **MAY NOT SURVIVE** if a wildfire passes through the area. Take a serious look at your community and make improvements. If you don't, you may be facing disaster. You will find that even small changes could make the difference.

HAZARD is defined as the potential fire behavior based on physical fuel characteristics.

Risk is defined as the probability of fire occurrence determined by the number, presence and activity of potential ignition sources.

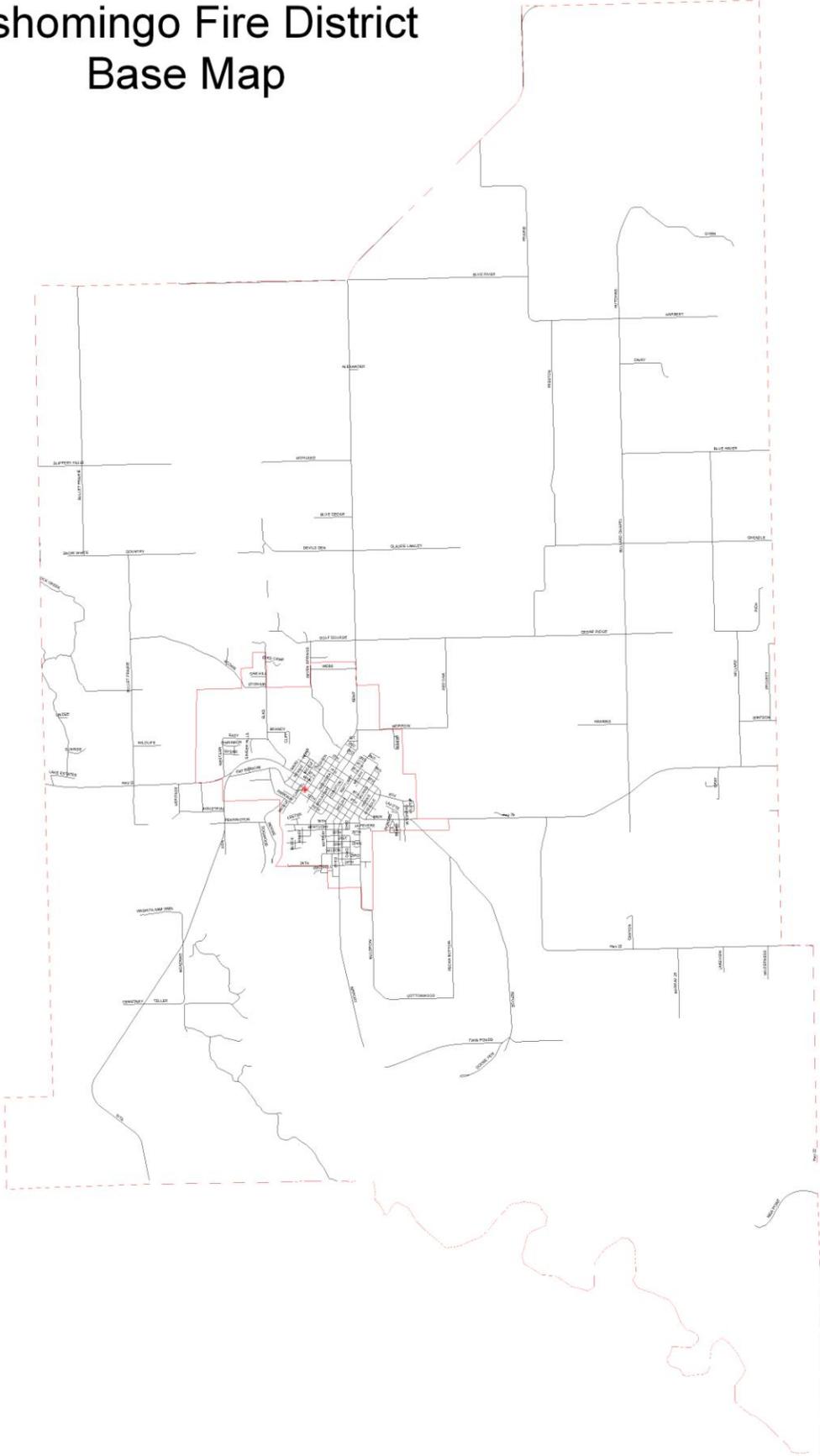
This form may be used to evaluate your community to determine the level of wildfire risk. It covers roughly one-half of the hazards normally taken into account in calculating fire risk, but does provide an approximate indication of true risk. For more information on your home's fire risk, or for more complete evaluation of your property, contact your local Oklahoma Department of Agriculture, Food and Forestry, Forestry Services office.



Appendix B

Community Base Maps

Tishomingo Fire District Base Map



Tishomingo Fire District Base Map



A photograph of a green fire hydrant standing in a grassy field. The hydrant is the central focus, with its various valves and caps visible. The background is a soft-focus field of tall grass.

Appendix C

Educational Handouts

Educational Packers will be distributed with flyers and information such as the FireWise Brochure seen here.

**F I R E W I S E
CONSTRUCTION**

- ✓ To create your FIREWISE structure, remember that the primary goals are fuel and exposure reduction.
- ✓ Use construction materials that are fire-resistant or non-combustible whenever possible.
- ✓ Use shingles such as Class-A asphalt, slate or clay tiles, metal, or cement and concrete products for roof construction.
- ✓ Construct a fire-resistant sub-roof for added protection.
- ✓ Use fire resistant materials such as stucco or masonry for exterior walls. These products are much better than vinyl which can soften and melt.
- ✓ Consider both size and materials for windows; smaller panes hold up better in their frames than larger ones; double pane glass and tempered glass are more effective than single pane glass; plastic skylights can melt.
- ✓ Prevent sparks from entering your home through vents; by covering exterior attic and underfloor vents with wire mesh no larger than 1/8 of an inch.
- ✓ Keep your gutters, eaves and roof clear of leaves and other debris.
- ✓ Clear dead wood and dense vegetation within at least 30 feet from your house, and move firewood away from your house or attachments like fences or decks.
- ✓ Any structure attached to the house, such as decks, porches, fences and sheds should be considered part of the house. These structures can act as fuses or fuel bridges, particularly if constructed from flammable materials.
- ✓ If you wish to attach an all-wood fence to your home, use masonry or metal as a protective barrier between the fence and house.
- ✓ Use non-flammable metal when constructing a trailer and cover with high-temperature, fire-resistant vegetation.
- ✓ Prevent combustible materials and debris from accumulating beneath patio deck or elevated porches; screen underneath or box in areas below the deck or porch.

www.firewise.org

Would you like some Free help to make your home or building Fire ?

We can come talk to you and your civic or neighborhood group. We can send you information, answer questions, and help you help yourself and your neighbors be FireWise!

FOR MORE INFORMATION CONTACT:

FireWise Oklahoma
firewise@oda.state-ok.us
 P.O. Box 528804
 Oklahoma City, OK 73152
 405.522.6158

VISIT THESE HELPFUL WEBSITES:

FireWise
www.firewise.org

U.S. FOREST SERVICE
www.fs.fed.us

FEDERAL EMERGENCY MANAGEMENT AGENCY
www.fema.gov

OKLAHOMA DEPARTMENT OF AGRICULTURE, FOOD & FORESTRY
 Division of Forestry Services
 2800 N. Lincoln Boulevard - P.O. Box 528804
 Oklahoma City, OK 73152
 405.522.6158
www.oda.state-ok.us

OKLAHOMA DEPARTMENT OF CIVIL EMERGENCY MANAGEMENT
 2401 N. Lincoln Boulevard, Suite C51 - P.O. Box 53385
 Oklahoma City, OK 73152-3385
<http://www.ok.gov/emi/>
 405.521.2481

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Are You FIREWISE Oklahoma?

**F I R E W I S E
LANDSCAPING**

- To create a landscape that will make your home less vulnerable to wildfire, the primary goal is fuel modification. Think of the area around your home in zones. Zone 1 is closest to the structure, Zone 4 is the farthest away.
- Zone 1** This well-irrigated area encircles the structure for at least 30 feet on all sides, providing space for fire suppression equipment in the event of an emergency. Plants should be limited to carefully spaced fire resistant tree and shrub species.
 - Zone 2** Fire resistant plant materials should be used here. Plants should be low-growing, and the irrigation system should extend into this section.
 - Zone 3** Place low-growing plants and well-spaced trees in this area, remembering to keep the volume of vegetation (fuel) low.
 - Zone 4** This furthest zone from the structure is a natural area. Thin selectively here and remove highly flammable vegetation.
- Also remember to:**
- ✓ Carefully space the trees and shrubs you plant.
 - ✓ Take out the "ladder fuels" – vegetation that serves as a link between grass and tree tops. These fuels can carry fire from vegetation to a structure or from a structure to vegetation.
- When maintaining a landscape:**
- ✓ Keep trees and shrubs pruned. Prune all trees six to 10 feet from the ground.
 - ✓ Water and maintain your lawn regularly.
 - ✓ Mow dry grass and weeds.
 - ✓ Dispose of cuttings and debris properly.
 - ✓ Landscape with less-flammable plants. Contact your local state forester, county extension office or landscape specialist for plant information.

www.firewise.org

SURVIVABLE SPACE

Do you have at least 30 ft of space surrounding your home that is Lean, Clean and Green?

The objective of Survivable Space is to reduce the wildfire threat to your home by changing the characteristics of the flammable vegetation.

Lean – Prune shrubs and cut back tree branches, especially within 15 feet of your chimney.

Clean – Remove all dead plant material from around your home; this includes dead leaves, dry vegetation and even stacked firewood.

Green – Plant fire-resistant vegetation that is healthy and green throughout the year.

Survivable space provides a safety zone around your home.

FIRE-RESISTANT ATTACHMENTS

Attachments include any structure connected to your home, such as decks, porches or fences. If an attachment to a home is not fire-resistant, then the home as a whole is not firewise.

A DISASTER PLAN

The time to plan for any emergency is prior to the event. Take a few minutes to discuss with your family what actions you will take.

- Post local emergency telephone numbers in a visible place.
 - Leave before it's too late. Decide where you will go and how you will get there. With fire, you may only have a moments' notice. Two escape routes out of your home and out of your neighborhood are preferable.
 - Have tools available, such as a shovel, rake, axe, hand saw or chainsaw.
 - Maintain an emergency water source.
 - Have a plan for your pets.
 - Practice family fire drills.
- Evacuations for a wildfire can occur without notice. When wildfire conditions exist, be ready to take action.

A FIREWISE HOME HAS . . .

LEAN, CLEAN AND GREEN LANDSCAPING

With firewise landscaping, you can create survivable space around your home that reduces your wildfire threat. Large trees should be pruned so that the lowest branches are at least 6 to 10 ft high to prevent a fire on the ground from spreading to the tree tops. Within the survivable space, remove flammable plants that contain resins, oils and waxes that burn readily, ornamental junipers, yuccapoin holly, red cedar, and young pine. A list of less-flammable plants can be obtained from your local state forester, forestry office, county extension office or landscape specialist.

Although mulch helps retain soil moisture, when dry, it can become flammable. Mulch as well as all landscaping should be kept well watered to prevent it from becoming the fuel.

FIRE-RESISTANT ROOF CONSTRUCTION

Firewise construction materials include Class-1 asphalt shingles, metal, tile and concrete products. Additionally, the inclusion of a fire-resistant sub-roof adds protection.

Something as simple as making sure that your gutters, eaves and roof are clear of debris will reduce your fire threat.

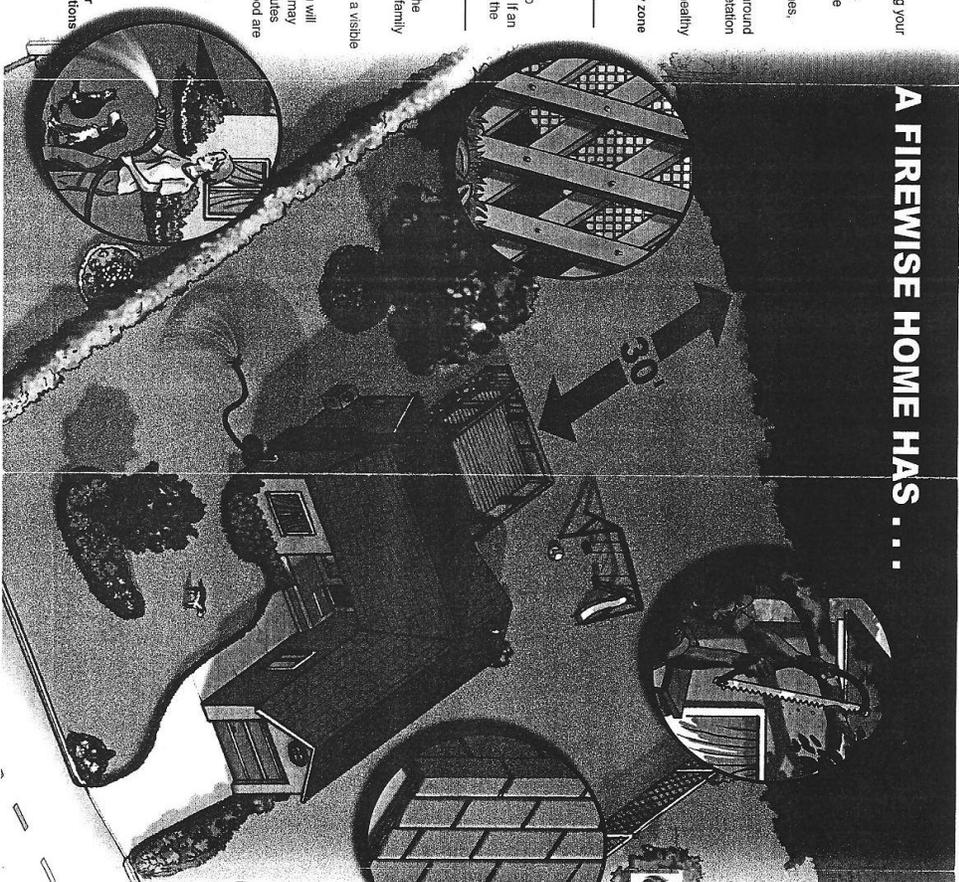
FIRE-RESISTANT EXTERIOR CONSTRUCTION

Wall materials that resist heat and flames include brick, cement, plaster, stucco and concrete masonry. Tempered and double pane glass windows can make a home more resistant to wildfire heat and flames.

Although some vinyl will not burn, some vinyl soffits can melt, allowing embers into the attic space.

EMERGENCY ACCESS

Identify your home and neighborhood with legible and clearly marked street names and numbers so response vehicles can rapidly find the location of the emergency. Include a driveway that is at least 12 feet wide with a vertical clearance of 15 feet – to provide access to emergency apparatus.

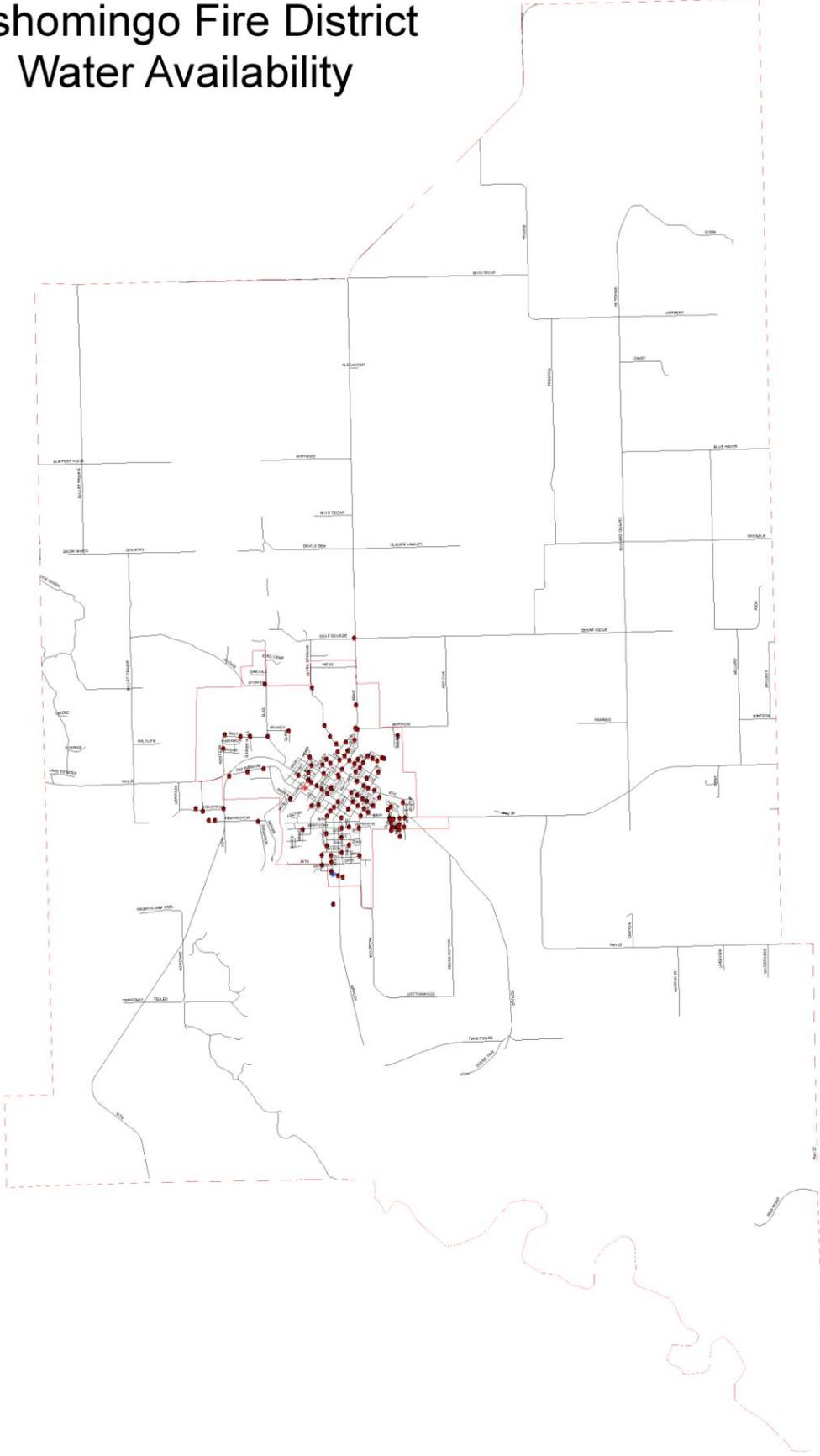




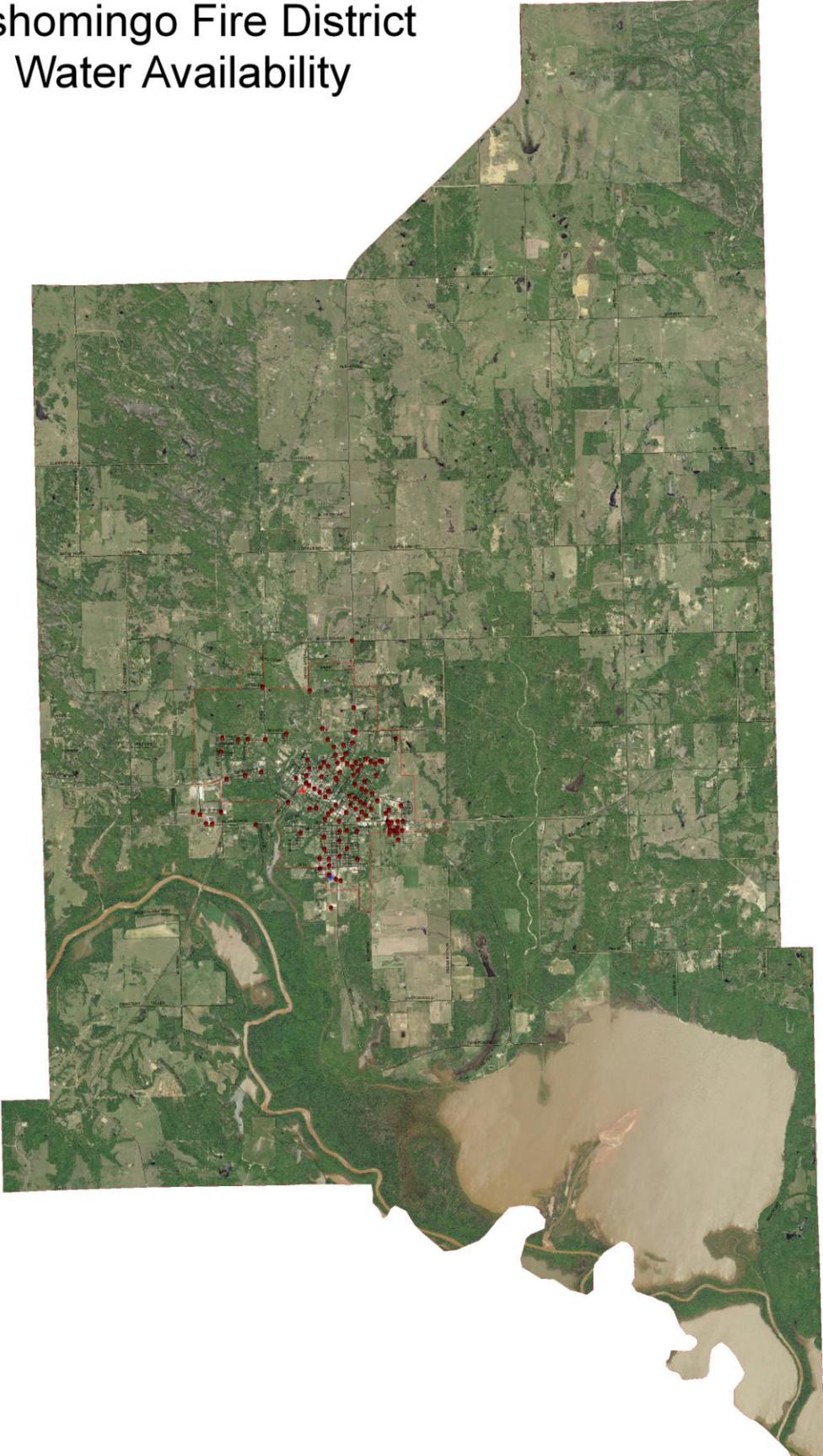
Appendix D

Water Availability

Tishomingo Fire District Water Availability



Tishomingo Fire District Water Availability

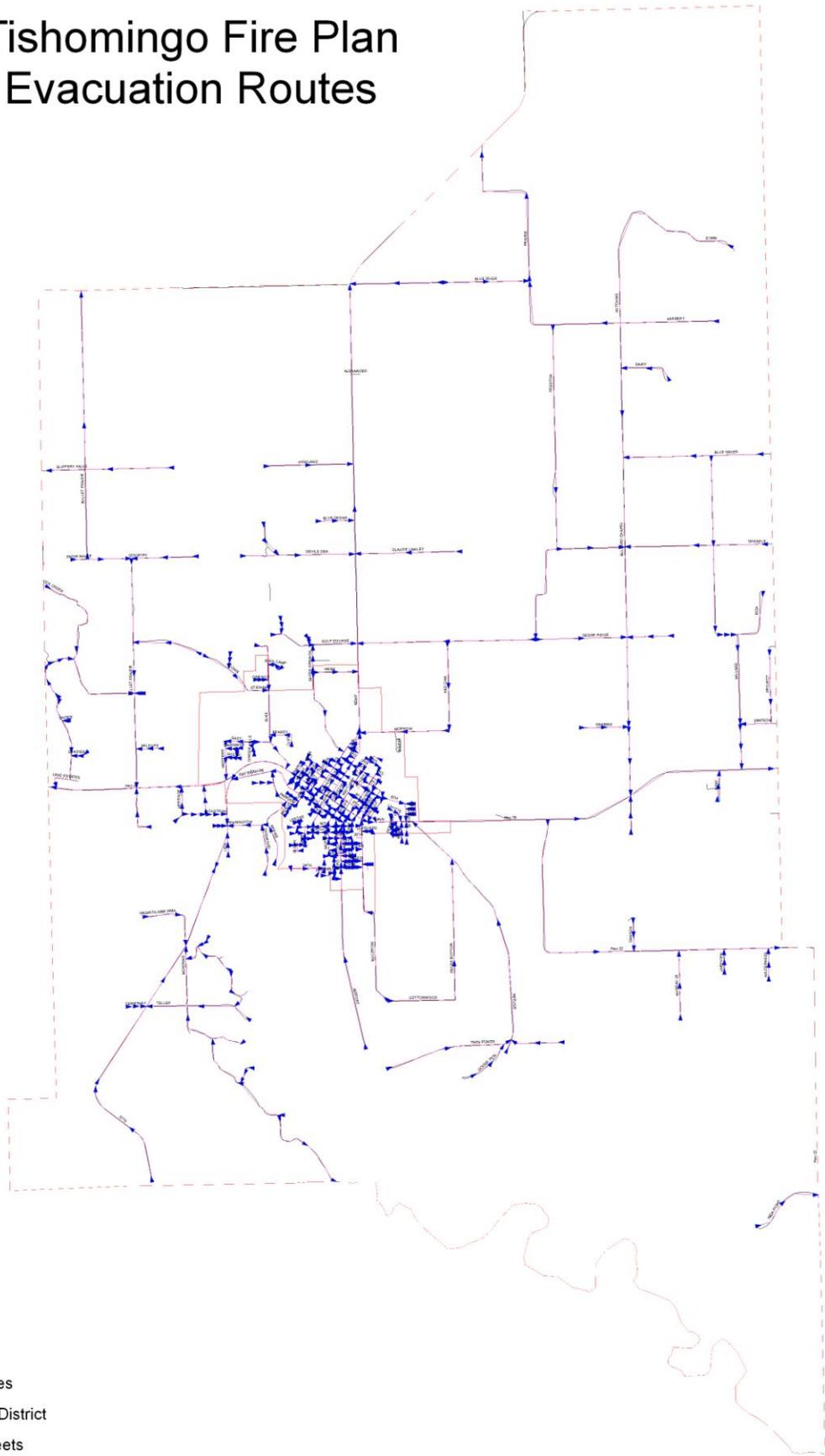




Appendix E

Evacuation

Tishomingo Fire Plan Evacuation Routes

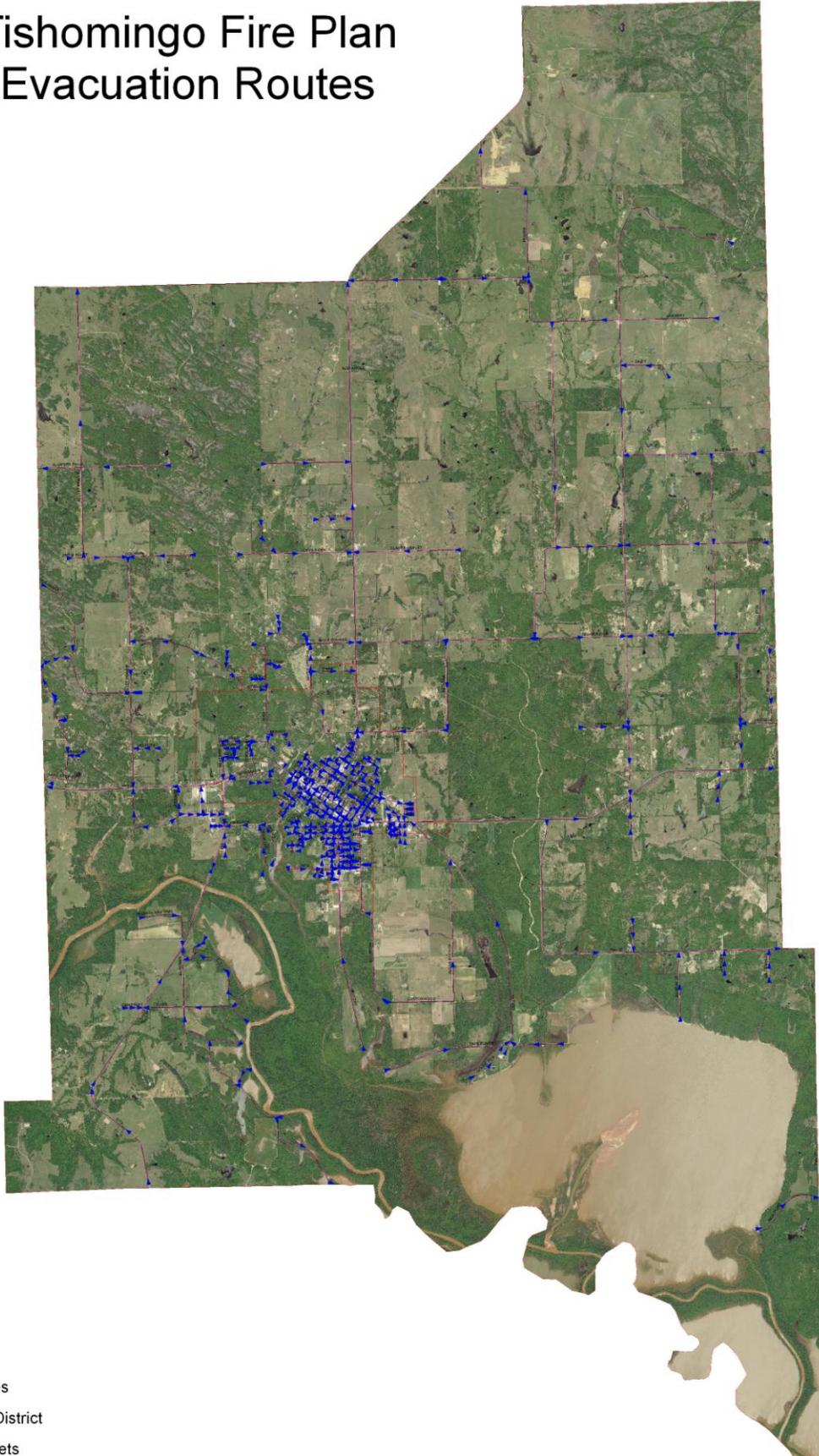


Legend

- Evacuation Routes
- Tishomingo Fire District
- Johnston Co Streets



Tishomingo Fire Plan Evacuation Routes



Legend

- >—> Evacuation Routes
- Tishomingo Fire District
- Johnstone Co Streets

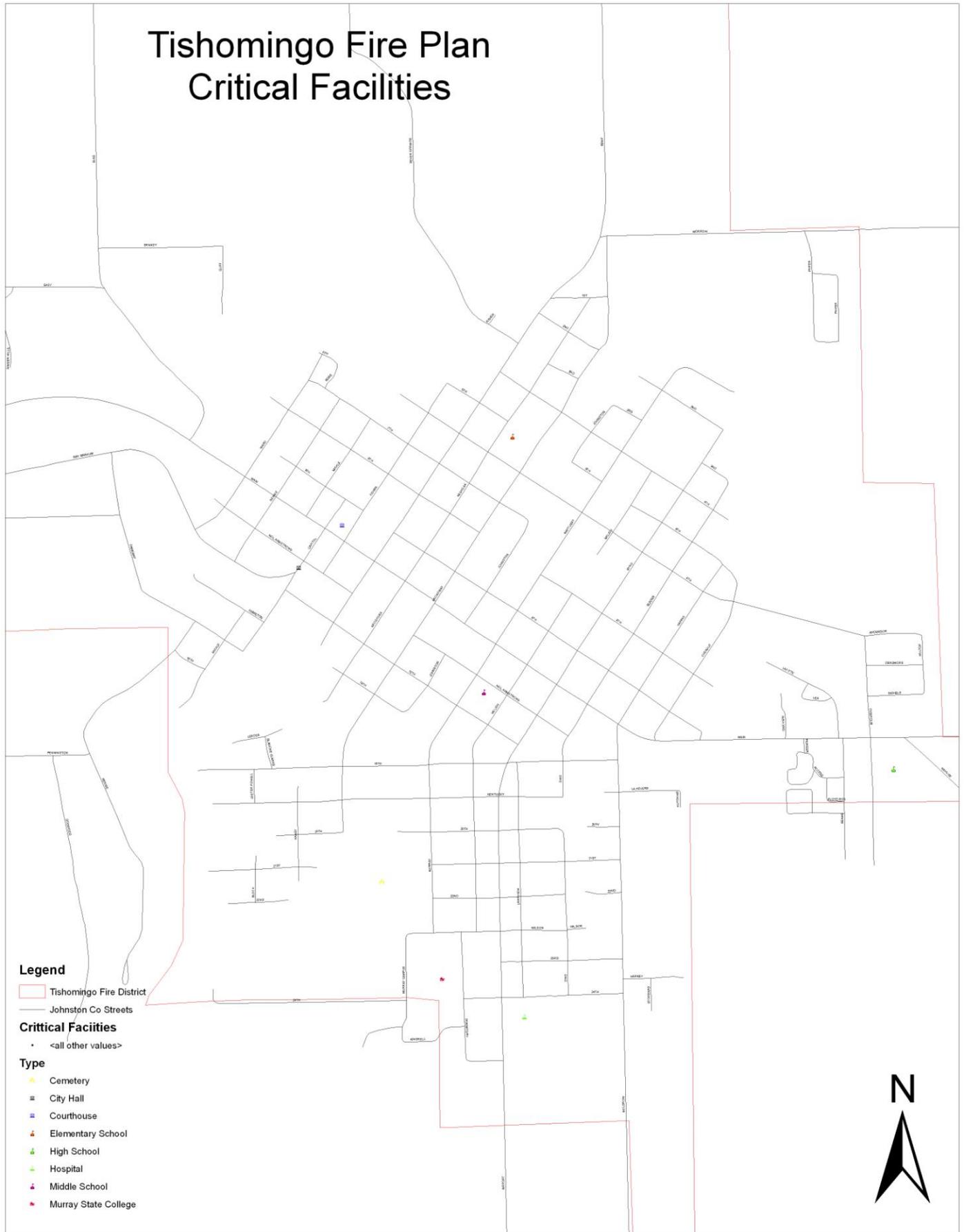




Appendix F

Critical Facilities

Tishomingo Fire Plan Critical Facilities



Tishomingo Fire Plan Critical Facilities



Legend

- Tishomingo Fire District
- Johnston Co. Streets

Critical Facilities

- Cemetery
- City Hall
- Courthouse
- Elementary School
- High School
- Hospital
- Middle School
- Murray State College

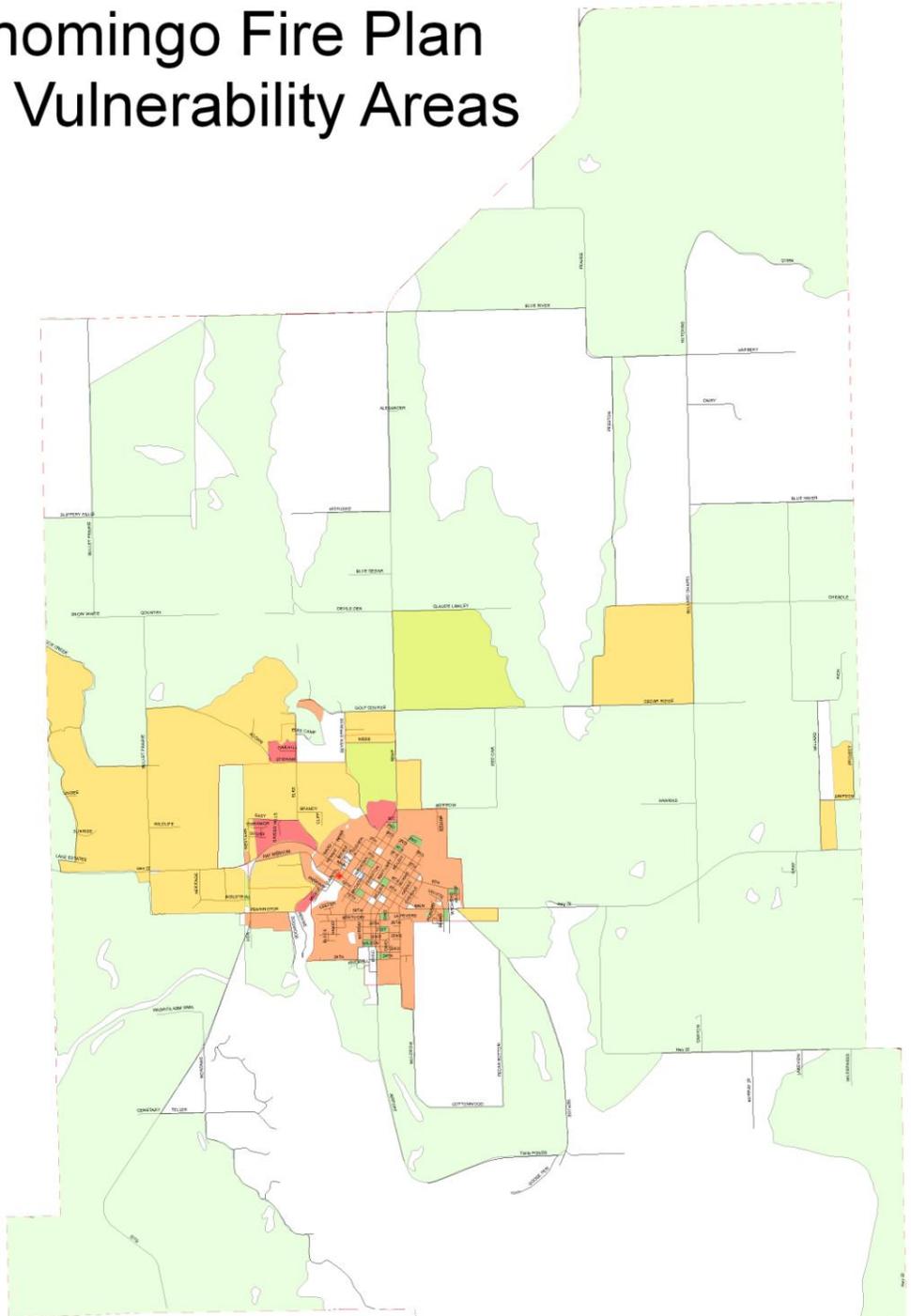




Appendix G

*High vulnerability Areas
&
Recommendations*

Tishomingo Fire Plan High Vulnerability Areas

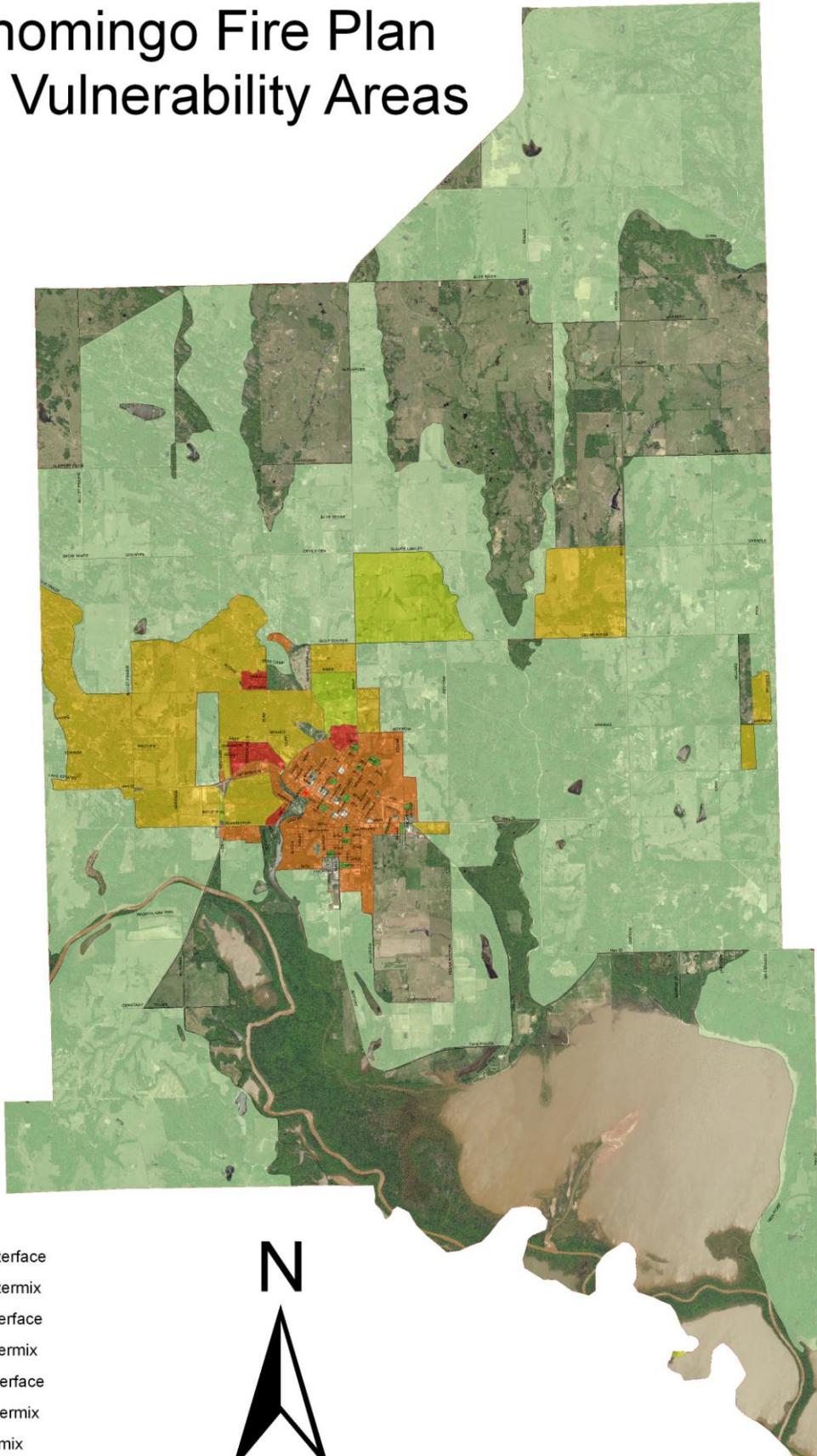


Legend

- High_Dens_Interface
- High_Dens_Intermix
- Low_Dens_Interface
- Low_Dens_Intermix
- Med_Dens_Interface
- Med_Dens_Intermix
- Wildland_Intermix
- Johnston Co Streets



Tishomingo Fire Plan High Vulnerability Areas

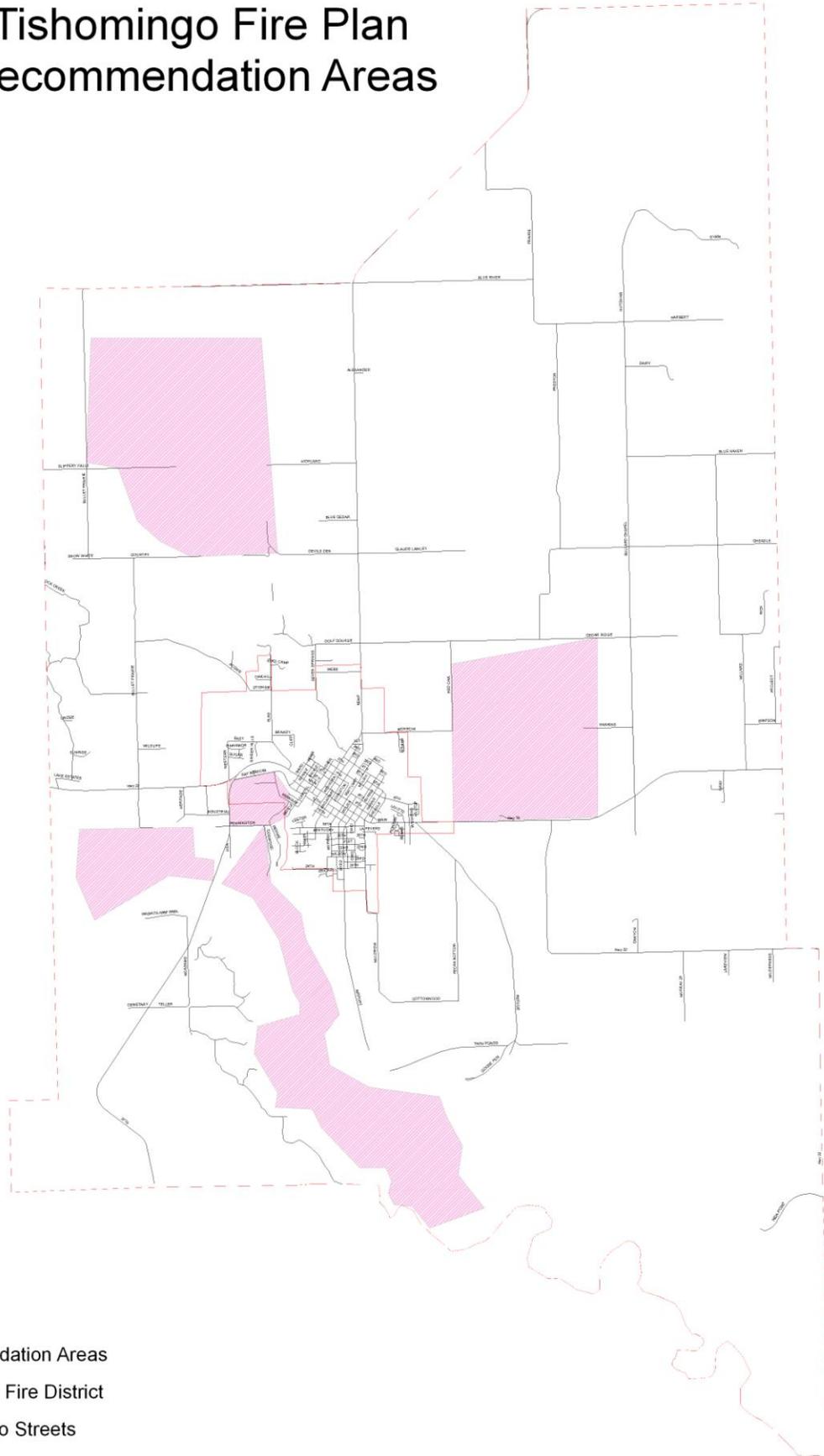


Legend

- High_Dens_Interface
- High_Dens_Intermix
- Low_Dens_Interface
- Low_Dens_Intermix
- Med_Dens_Interface
- Med_Dens_Intermix
- Wildland_Intermix
- Johnston Co Streets



Tishomingo Fire Plan Recommendation Areas



Legend

-  Recommendation Areas
-  Tishomingo Fire District
-  Johnston Co Streets

Tishomingo Fire Plan Recommendation Areas



Legend

-  Recommendation Areas
-  Tishomingo Fire District
-  Johnston Co Streets



Appendix H

Misc.

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PAGE 02



Department of Agriculture
 OK DEPT OF AGRICULTURE, FOOD & FORESTRY
 ADMINISTRATIVE SERVICES
 2800 N LINCOLN BLVD
 OKLAHOMA CITY OK 731054298

Vendor: 0000076950
 CITY OF TISHOMINGO
 204 S CAPITAL
 TISHOMINGO OK 73460

Purchase Order

Dispatch via Print

Purchase Order	Date	Revision	Page
0409014274	09/14/2009		1
Payment Terms	Freight Terms	Ship Via	
0 Days	Free on board at Destination	Common	
Buyer	Phone	Currency	
Paula Albers	405/522-6584	USD	

Ship To: OK DEPT OF AGRICULTURE, FOOD & FORESTRY
 FORESTRY SERVICES
 2800 N LINCOLN
 OKLAHOMA CITY OK 731054298

Bill To: OK DEPT OF AGRICULTURE, FOOD & FORESTRY
 FORESTRY SERVICES
 PO BOX 528804
 OKLAHOMA CITY OK 73152-8804

Tax Exempt? Y Tax Exempt ID: 736017987

Line-Sch	Item Id	Description	Quantity	UOM	PO Price	Extended Amt	Due Date
1- 1	099717	Pass thru funding for other	1.0000	SUM	10,000.0000	10,000.00	09/14/2009

Community Wildfire Protection Plan

Total PO Amount 10,000.00

COMMENTS:
 In accordance with attached agreement. ^{CWPP} ~~AWP~~-09-15
 Contract Period: Purchase Order date through 12 months.

Initial contract period is one year. Contract may be extended/reawarded up to one additional 12 month period at the same terms and conditions upon approval by agency.

This contract shall be considered to be in force until the expiration date or until 30 days after notice has been given by either party of its desire to terminate the contract.

Agency Contact: Program - Brian Hall, at 405-522-8889
 Financial - Paula Albers, at 405-522-6152

Agency Reference: 5412, 61, 210, 1111124, 10

Authorized Signature