



The Bokchito Wildfire Protection Plan

**AN ACTION PLAN FOR WILDFIRE MITIGATION
December 2008**

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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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Phone Number 580-295-3775
Other Contact Information _____

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Other Contact Information _____

Name Kenneth Grant
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Name Melissa Scott
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Other Contact Information _____

Name Kenneth Grant
Address P.O. Box 392, Bokchito, OK 74726
Phone Number 580-775-1703
Other Contact Information _____

Local Oklahoma Division of Forestry Representative(s):

Name Kevin Keys
 Address P.O. Box 1844, Ardmore, OK 73402
 Phone Number 580-223-3973
 Other Contact Information _____

Name Jim Pitts-Area Forester
 Address 820 NE 12th, Goldsby, OK 73093
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 Other Contact Information Jim.pitts@oda.state.ok.us

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

Name	Organization
Tommy Sheppard	SODA
Diann Neal	SODA
Stephanie Davidson	SODA
James Dalton	Bryan County Emergency Management
Norman Campo	Emergency Management
Ivan Kelly	Bryan County Commissioner
Preston Burns	Superintendent, Rock Creek Public Schools
	Choctaw Nation of Oklahoma



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- 2) Community Base Map and Other Visuals
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1) COMMUNITY BACKGROUND AND EXISTING SITUATION (see appendix A)

Bokchito is a community surrounded by hundreds of acres of Wildland interface. The vegetation throughout Bokchito provides enough fuel to make fire behavior erratic and extreme during dry conditions. The interface type is considered intermix, where structures are sporadically located throughout the vegetation.

Community Description:

County: Bryan Latitude/Longitude: N 34.01711/W -96.1434
Frontage Road: Walker Street Nearest Intersection: Walker & Hwy 70
Nearest Fire Department (name/location): Bokchito Volunteer Fire Department
Interface Areas: 55 (+/-) square miles Year Established: 1901
Map #: See appendix

Community Size:

Number of Lots: 750 (+/-) Number of Structures: 900 (+/-)
Estimated Acres: 57,000 (=/-) Development Status: Active

Community Infrastructure:

Home Owners Association/Organization: [] Yes [x] 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:

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

Wildfire Hazard Rating: (check one)

[] Low [] Moderate [x] High [] Extreme

Date Evaluated: 9/17/2008 Attach Community Assessment Form.

Community Assessment Highlights

(roads, water sources, primary fuel types, utilities and topography) Southern Oklahoma Development Association (SODA) along with the Bokchito Fire Department conducted the Community Wildfire Risk and Hazard Assessment in September 2008. The community of Bokchito received a score of 158 placing it in the "High Risk" hazard range.

Roads:

There is approximately 107 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 Bokchito is basically flat with a slight slope to the southeast. This slope is very slight and not noticeable but still enough for the wastewater system to be a free flow without the use of 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, near the railroads, and along low lying drainage areas. The topography is basically flat to rolling hills with rocky protrusions.

Water Sources in the community:

There are 52 hydrants located within the Town limits and 12 dry hydrants out in the county area. The Town of Bokchito has their own wells, but residents outside the town limits are either on a Rural Water system 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 Bokchito 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, Bokchito has escaped several potentially catastrophic occurrences with only minor property damage.

Relative Frequency:	There are approximately 30 wildland fires annually.
Common Causes:	Common causes include Hwy 70 traffic/cigarettes; burning trash; agriculture equipment failure; welders and oilfield industry.
Areas of Future Concern:	Construction of the largest natural gas plant in U.S. located 7 miles to the east of Bokchito has the potential to increase the fire risk as does the increased oilfield production in the area. There is also railroads and roadways that have overgrowth that would provide a large amount of fuel to a wildfire.
Additional Comments:	The recent construction on Highway 70 has caused an increase in vehicle accidents. When the construction is over Highway 70 will be a four lane which will increase the traffic capacity and also increase the e the risk of accidents. Nearly half of all residents use a storage tank to house heating fuels. These storage tanks are highly explosive in wildfire situations.



2) COMMUNITY BASE MAP AND OTHER VISUALS (see appendix B)

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

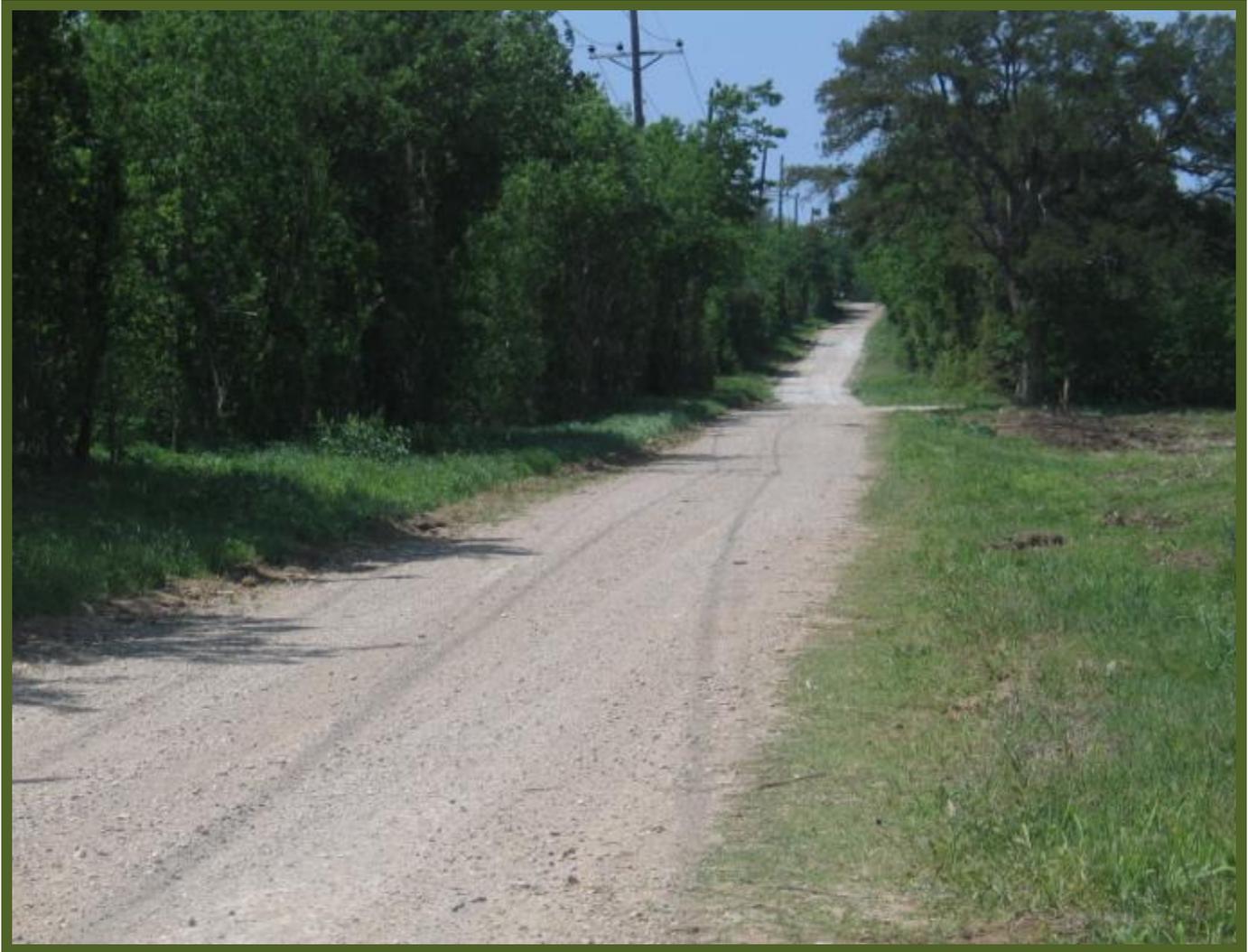
3) OBJECTIVES / GOALS

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 Bokchito, 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, railroads, and other ignitable areas.
3. Replace poor performing fire hydrant 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 Bokchito 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:

1. Seek funding for training of firefighters that includes fire suppression associated with the oil and natural gas industry.
2. Develop a greater defensible space around residential structures.
3. Clean-up of vacant lots located within Town limits.
4. 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. Develop easily identifiable addressing for all community residents
2. Community education concerning increasing defensible space around residential structures
3. Assistance to elderly for individual home assessment to include heat/air sources.
4. Encouraging development of increased driveway widths and standard method of accessibility for emergency vehicles

Proposed Education and Outreach Priorities: (see appendix C)

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 Bokchito Homecoming; Christmas Parade; Halloween; and any fundraiser held by the Women's Auxiliary.





5) ACTION PLAN

Funding Needs:

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

1. Seek funding for Fire Fighter 1 training, Hazardous Site training; and First Responder training for all firefighters. Funding will be requested through any available grants from FEMA, REAP and/or Oklahoma Forestry.
2. Seek funding for NFPA compliant vehicles; equipment; and PPE through any available grants from FEMA, REAP and/or Oklahoma Forestry.
3. Minimal road signage was installed by Bryan County when the E911 program was established, but additional signage is needed and funding to replace stolen signs are needed also. Bokchito VFD will be requesting funds from the Bryan County Commissioners Emergency Management and the E911 funds collected.
4. Currently the community of Bokchito does not have any sirens 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 Bokchito FD will continue to seek funding from FEMA and Oklahoma Emergency Management as the money comes available.
5. Fuel and other miscellaneous expenses are needed to assist homeowners with improving the width of driveways using chainsaws and backhoes provided by local citizens. Funding for this project will depend upon fundraising efforts of the fire department and generous donations from oilfield companies and private landowners.

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. Water improvements would depend upon the time frame of the grant awarded for the project. This large of a project could take up to 2 years to complete after grant money is awarded.
3. Money will probably not be forthcoming from Bryan 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 Bokchito is not a high priority in the larger picture of Bryan County. Should money become available for this priority, volunteers from the Bokchito Fire Department as well as from the community would place proper signage within 60 days of receiving the requested signs.
4. Sirens can be professional installed within 60 days after funds have been received for this project.
5. This project will take 90-120 days of good weather to complete as well as a 30 day timeframe to coordinate the efforts between the homeowners and the volunteers after assistance is provided for the necessary fuel and locks.

Assessment:

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

1. Meetings of the Bokchito 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. Before and after water flow reports.
3. Before and after pictures of community residential structures
4. Comparison of previous annual fire incident reports, to the State Fire Marshall's office, to post-project annual fire incident reports.

**6) WILDFIRE PRE-SUPPRESSION PLAN**

A. Wildfire Protection Responsibility

Structural Protection: Bokchito Volunteer Fire Department

Wildland Protection: Bokchito Volunteer Fire Department, 18 other Bryan County fire departments, Bryan County Volunteer Fire Departments along with the City of Durant have a mutual aid agreement with Bokchito Volunteer Fire Department.

B. Alarm Response**First Alarm**

Fire Department/Rescue Squad	Travel Distance	Response Time
Bokchito Volunteer Fire Department		5-15 minutes
Durant Fire Department	Within 15 miles	10-30 minutes
Bennington Fire Department	Within 10 miles	20-40 minutes

Second Alarm (report to designated staging area)

Fire Department/Rescue Squad	Travel Distance	Response Time
Caddo Fire Department	Within 15 miles	20-40 minutes
Freeny Valley	Within 15 miles	20-40 minutes
Albany	Within 15 miles	20-40 minutes

Water Availability (see appendix D)

C. Bokchito has over 50 fire hydrants and 1 dry hydrant that are accessible to emergency crews. More hydrants are needed to keep up with community growth and more dry hydrants are needed for the rural areas.

D. Communications

Name	Phone Number	Radio Frequencies
Dispatch/Fire Departments		
Bokchito Fire Department	295-3775	155.0550
Durant Fire Department	911	
Bryan Co	911	153.8450
Local Department of Forestry Office		
Kevin Keys	580-223-3973	
Other		
Tommy Sheppard (Rural Fire Dir.)	580-920-1388	

E. Evacuation (see appendix E)

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
OSU Extension Agency	Clay Jones	OSU
Bryan County Sheriff	Bill Sturch	Taxes
Bryan County EMS	Joe Barrett	911 Tax
Tractor Operators		
Bryan County Commissioners	Main Office 580-924-2201	
Monty Montgomery – District #1	Shop 580-924-5814	
Tony Simmons – District #2	Shop 580-283-3711	
Ivan Kelly – District #3	Shop 580-295-3737	
Crews		
District #1 Road Crew	580-924-5814	
District #2 Road Crew	580-283-3711	
District #3 Road Crew	580-295-3737	
Bokchito Public Works Crew	580-295-3775	
Utilities		
Southeastern Electric Coop	580-924-1315	
Rural Water District # 6	580-367-9857	
Rural Water District #5	580-924-8235	
City of Bokchito Water	580-295-3775	
Fuel		
Franks LP &	580-295-3805	

Gas		
Cyclo LP & Gas	715 E Main Street, Bokchito 580-295-3863	
Sooner Air Gas Inc.	1028 S 9 th Street, Durant3 580-924-2477	
EZ Mart	117 W Main Street, Bokchito 580-295-3131	
Food and Supplies		
Mays Drive In Grocery Inc.	400 W Main Street, Bokchito 580-295-3602	
Beames Hill Stop	802 E Main Street, Bokchito 580-295-3722	
Frank's Café	Highway 70 West Bokchito 580-295-3400	
Mi Cocina	107 W Main Street, Bokchito 580-916-5765	
Mac's Market	702 E Main Street, Bokchito 580-295-4081	
Lodging		
Comfort Inn & Suites	2112 W Main Street, Durant 580-924-8881	
Days Inn Durant	2121 W Main Street, Durant 580-924-5432	
Holiday Inn Express	613 University Place, Durant 877-863-4780	
Best Western-Markita Inn	2401 W Main Street, Durant 580-924-7676	



7) ADDITIONAL COMMENTS – Critical Facilities (see appendix F)



Ball Park



Cemetery



City Hall



Community Build



EMS-Police-Fire



Post Office



School



Waste Treatment



Water Tower

Overgrowth near Railroad, limited access	Tree/Brush Removal -Controlled Burn-Yearly Main.
Overgrowth near high density area	Clearing 30 to 100 feet from homes & structures
Overgrowth near high density area	Clearing 30 to 100 feet from homes & structures
Overgrowth near high density area	Clearing 30 to 100 feet from homes & structures
Overgrowth near high density area	Clearing 30 to 100 feet from homes & structures
Overgrowth near high density area	Clearing 30 to 100 feet from homes & structures
Overgrown Fence Row encroaching on road width	Fence Row clearing
Overgrowth near high density area	Clearing 30 to 100 feet from homes & structures
Overgrowth near Railroad, limited access	Tree/Brush Removal -Controlled Burn-Yearly Main.

9) ATTACHMENTS



Appendix A

*Community Wildfire Hazard
&
Risk Assessment Worksheet*

OKLAHOMA FORESTRY DIVISION
COMMUNITY WILDFIRE RISK AND HAZARD ASSESSMENT

Forestry Office: _____
 Community: Bokchito County: Bryan
 Latitude: N 34.01711/W ~~96.1434~~ Longitude: W 96.1434
 Fire Department: Bokchito Volunteer Fire Dept
 Date: 9/17/08
 Acres: 57,000 Lots: 750 Homes: 900 Future Homes 20 per year

CALCULATING THE WILDFIRE HAZARD RATING

SUBDIVISION DESIGN HAZARD RATING	+ SITE HAZARD RATING	+ BUILDING CONSTRUCTION HAZARD RATING	+ ADDITIONAL FACTOR HAZARD RATING	= OVERALL WILDFIRE HAZARD RATING
<u>28</u>	<u>65</u>	<u>65</u>		<u>158</u>

SUBDIVISION DESIGN RATING	Rating
ACCESS	
Two or more roads	0
One road, plus alternative	3
One road in/out - <u>Brush Clearing for escape routes</u>	<u>7</u>
SUBDIVISION BRIDGES	
No bridges or bridges with no weight and or width restrictions	<u>0</u>
Low weight or narrow bridges restricting emergency access	5
PRIMARY ROAD WIDTHS	
>24 ft	0
>20 ft and <24 ft	2
<20 ft <u>Many roads measure 14ft or less</u>	<u>4</u>
ACCESSIBILITY	
Surfaced road, grade < 5%	0
Surfaced road, grade > 5%	2
Non-surface road, grade < 5%	<u>2</u>
Non-surface road, grade > 5%	5
Other than all-season road <u>mostly gravel</u>	7
SECONDARY ROAD TERMINUS	
< 300 ft with turnaround	0
> 300 ft with turnaround	2
< 300 ft without turnaround	4
> 300 ft without turnaround	<u>5</u>
UNSAFE ROADWAY	
No flammable vegetation threat	0
Highly flammable vegetation along road	<u>5</u>
STREET SIGNS	
Present 4 inches in size and reflective	0
Not present - <u>Theft of signs is a problem</u>	<u>5</u>
TOTAL SUBDIVISION DESIGN	<u>28</u>

**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	
More than 150 ft with minimum 45 foot outside radius turnaround	3	
More than 150 ft with inadequate turnaround	(5)	5
Average driveway width more than 12 ft	0	
Average driveway width less than 12 ft	(5)	5
No obstructing overhead branches below 15 ft	0	
Obstructing overhead branches below 15 ft	(5)	5
No bridges or bridges with no weight or width restrictions	(0)	—
Bridges restricting emergency vehicle access	5	
Slopes level or less than 10 %	(0)	—
Slopes over 10%	(0)	—
No gate/non-locking gate	(0)	—
Locked gate	5	
Address clearly visible from road	0	
Address not visible from road	(5)	5
DOMINANT TREES (within 100 ft of homes)		
Deciduous	1	
Mixed	(5)	
Evergreen	10	5
LADDER FUELS		
Evergreen branches close to ground	(5)	
Evergreen branches pruned up at least 6 ft	0	5
VEGETATION (predominant type throughout community)		
Light (e.g. grasses and forbs) NFDRS Fuel Models A, C, L, N, S and T	5	
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	10
Slash (e.g. timber harvesting residue) NFDRS Fuel Models J, K and L	25	
SLOPE OF PROPERTY		
Flat (0-5%)	(0)	
Moderate (6-20%)	2	
Steep (over 20%)	4	0
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)	20
No unthinned or unmanaged timber within 100 ft	0	
Unthinned or unmanaged timber within 100ft	(5)	5
TOTAL SITE HAZARD RATING		65

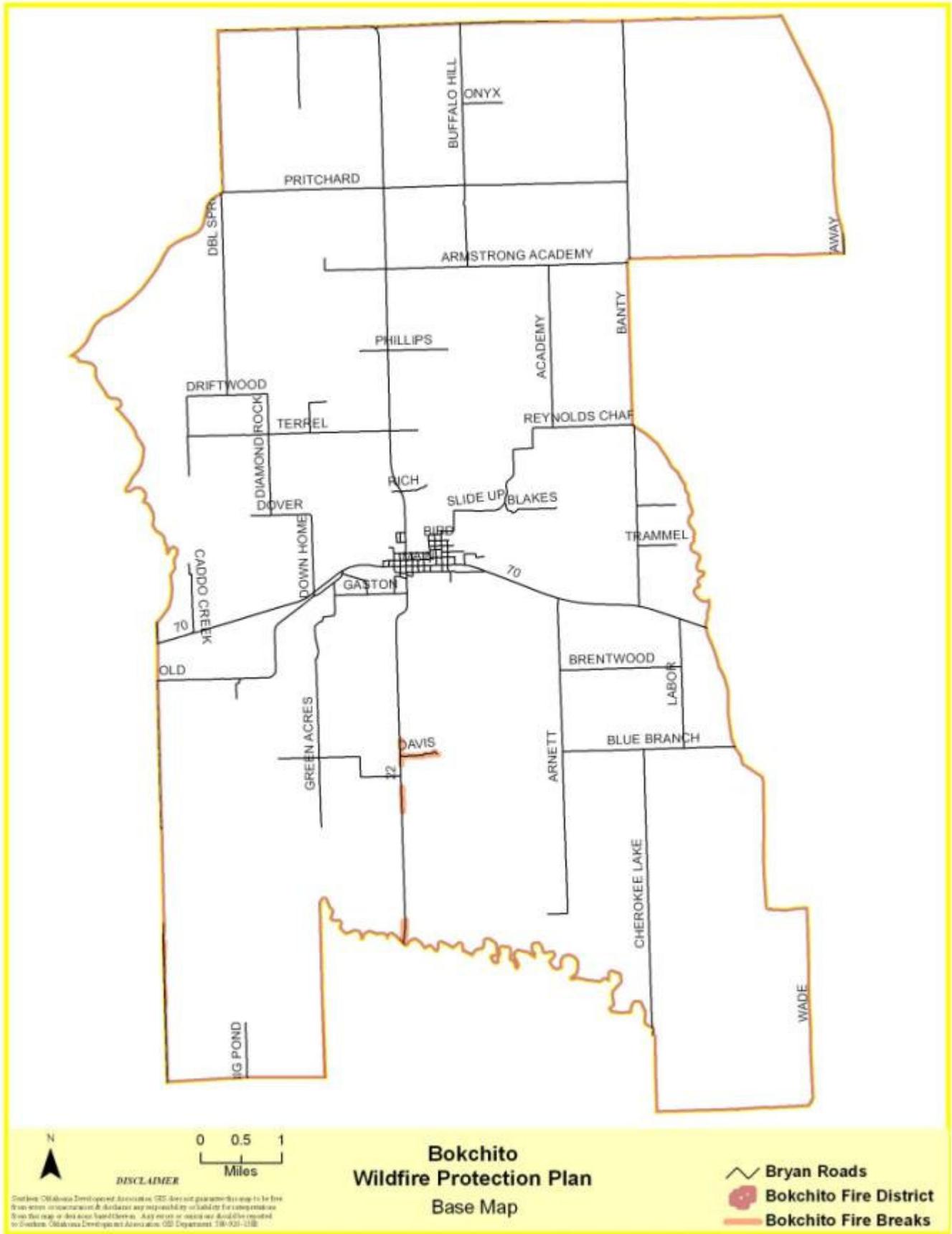
**OKLAHOMA FORESTRY DIVISION
COMMUNITY WILDFIRE RISK AND HAZARD ASSESSMENT**

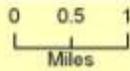
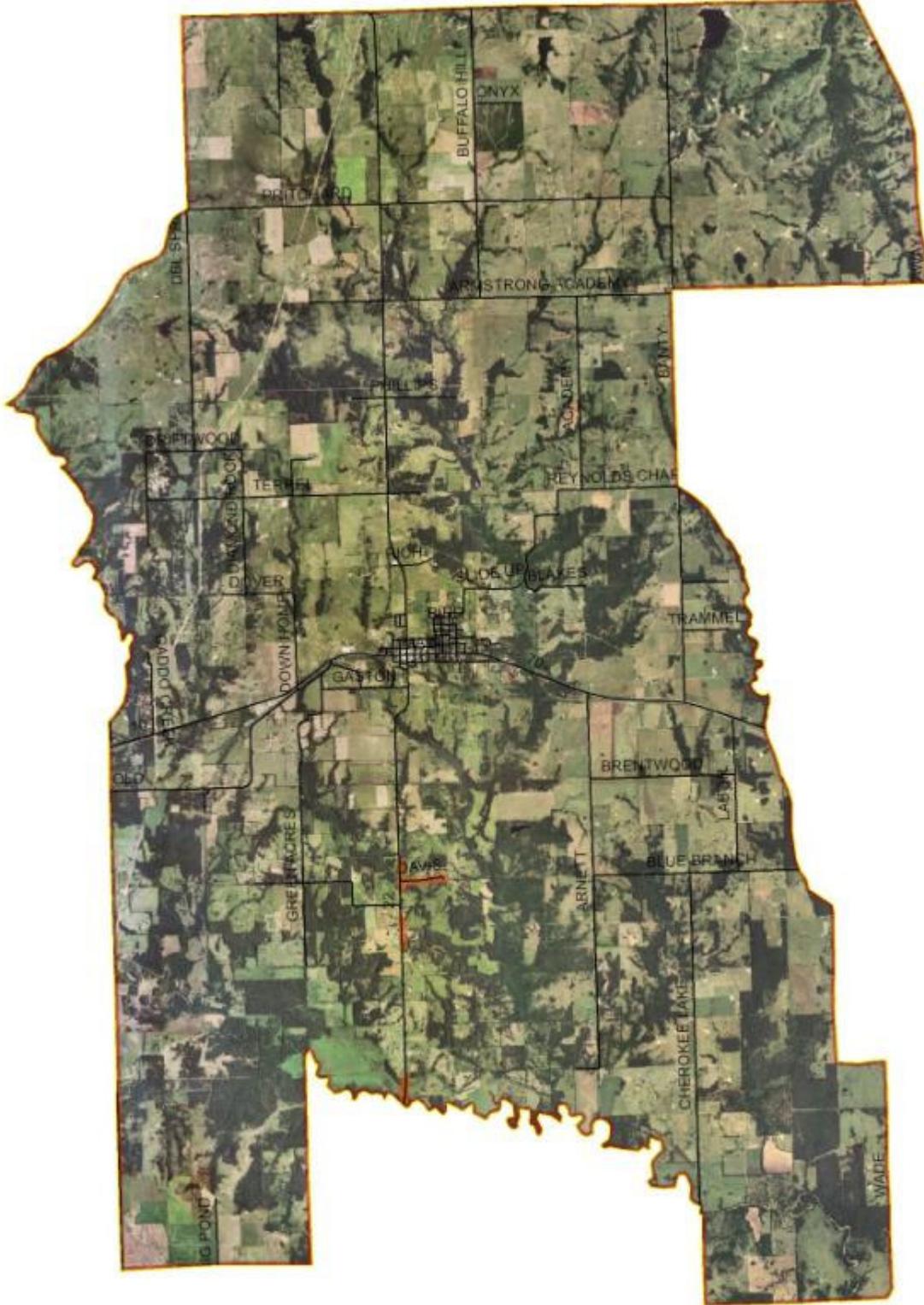
BUILDING CONSTRUCTION HAZARD RATING		Rating	
ROOFING MATERIALS			
Greater than 75% of homes have metal, tile or Class A shingles	0	10	
50 to 75% of homes have a metal, tile or Class A shingles	10		
Less than 50% of homes have metal, tile or Class A shingles	15		
SIDING / SOFFETS			
Greater than 75% of 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	5	
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			
ADDITIONAL HAZARD FACTORS		Rating	
FIRE CONTROL WATER SUPPLY			
Pressurized hydrants with minimum 500 gpm < 1,000 ft apart	0	2	
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 <i>LPG tanks & Electric lines</i>	5		
SURROUNDING ENVIRONMENT			
Community is not surrounded by any large natural landscape	0	20	
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 Wildland Fire Suceptibility Index according to the Southern Wildfire Risk Assessment			
Low (Class Value 1 - 2)	0	10	
Medium (Class Value 3 - 5)	10		
High (Class Value 6 - 9)	20		
TOTAL ADDITIONAL HAZARD FACTORS		65	



Appendix B

Community Base Maps





DISCLAIMER

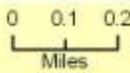
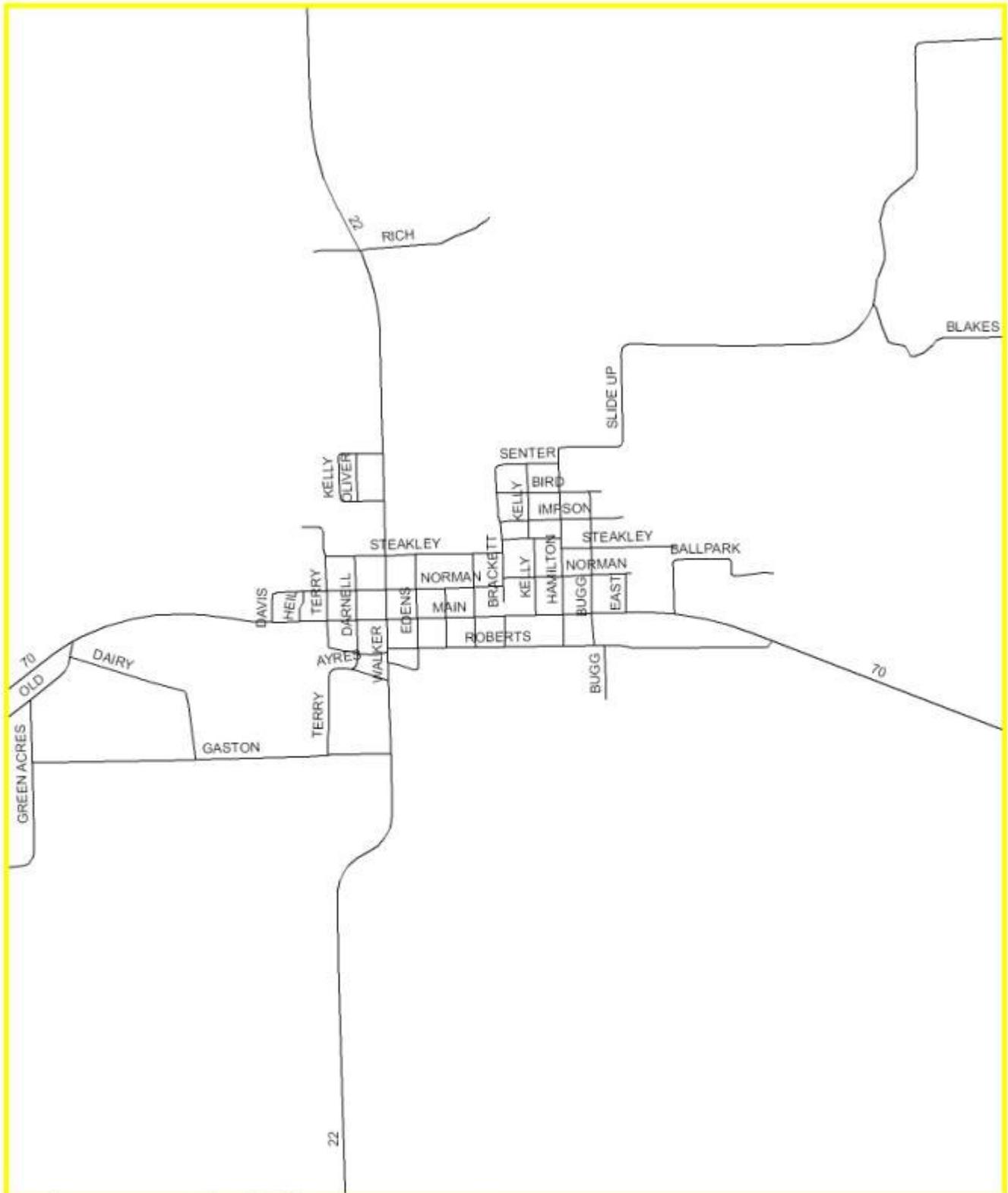
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**Bokchito
Wildfire Protection Plan
Base Map**

 Bryan Roads

 Bokchito Fire District

 Bokchito Fire Breaks



DISCLAIMER

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**Bokchito
Wildfire Protection Plan
Base Map**

-  Bryan Roads
-  Bokchito Fire District
-  Bokchito Fire Breaks



Appendix C

Educational Handouts



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

FIREWISE CONSTRUCTION

To create your FIREWISE structure, remember that the primary goals are fuel and exposure reduction.

- Use color-coded materials to label fire-resistant or non-combustible whenever possible.
- Use shingles such as Class A asphalt, slate or clay tile, metal, or concrete products for roof construction.
- Conduct a fire-weeders sub-area for added protection.
- Use fire resistant materials such as stucco or masonry for exterior walls. These products are most tested for fire when used above and not.
- Consider roof top and materials for windows, smaller gables, double-pane glass, and tempered glass are more effective than single-pane glass; plastic windows can melt.
- Prevent sparks from entering your home through vents. By covering exterior attic and underlath vents with mesh (no larger than 1/8" x 1/8").
- Seal your gutters, eaves and roof eave of leaves and other debris.
- Clear dried wood and other vegetation within at least 30 feet from your house, and move firewood away from your house or attachment (like brooms 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 "bridges" or fuel linkages, particularly if constructed from flammable materials.

If you wish to attach an all-wood deck to your home, use masonry or metal as a protective barrier between the house and the deck.

Use non-flammable metal when constructing a screen and cover with high-visibility, flame-resistant vegetation.

Prevent combustible materials and debris from accumulating beneath patio decks or elevated porches. Remove underneath or back to areas below the deck or porch.

www.firewise.org

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

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**
Division of Forestry Services
1800 N. Lincoln Boulevard, Suite C51 • P.O. Box 53804
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
405.521.3481
<http://www.ok.gov/ocem/>

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Are You FIREWISE Oklahoma?

FIREWISE 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 watered to carefully spread the mulch over tree and shrub species.
- Zone 2** Fire resistant plant species should be used here. Plants should be low-growing, and the irrigation system should extend into the section.
- Zone 3** Place low-growing plants and well-irrigated 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. This selection of trees and shrubs is highly favorable vegetation.

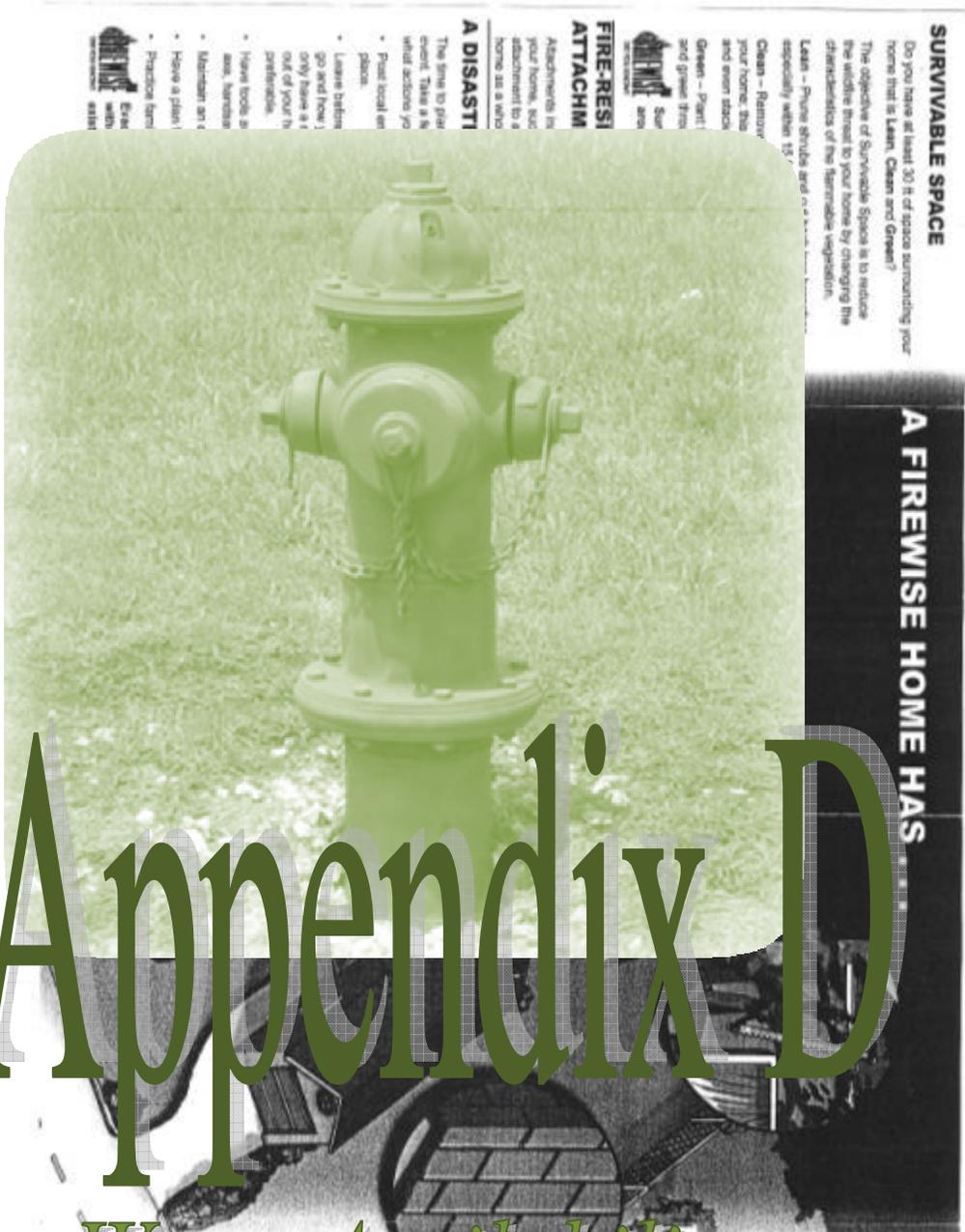
Also remember to:

- Carefully space the trees and shrubs you plant.
- Take out the "taller fuel" -- vegetation that serves as a link between grass and tree tops. These links can carry fire from vegetation to a structure or from a structure to vegetation.

When establishing a landscape:

- Keep trees and shrubs pruned. Prune all trees to 10 feet from the ground.
- Mow and maintain your lawn regularly.
- Mow dry grass and weeds.
- Dispose of cuttings and debris properly.
- Landscaping with non-flammable plants. Contact your local state firewise county extension office or landscape specialist for plant identification.

www.firewise.org



Appendix D

Water Availability

SURVIVABLE SPACE

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

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

Learn - Prune shrubs and trees to clear a path especially within 15 feet of your home.

Clean - Remove dead leaves, twigs and other debris from your home, the driveway, and even stockpiles of brush.

Green - Plant drought-tolerant plants and grasses that are fire resistant.

FIRE-RESISTANT ATTACHMENT

Attachments to your home, such as porches, decks, and sheds, should be built as fire-resistant as the home as a whole.

A DISASTER PLAN

The time to plan is before a disaster occurs. Take a few minutes to think about what actions you should take in a disaster.

- Plan local escape routes.
- Learn when to go and how to go.
- Have a plan for what to do if you are outside your home.
- Have a plan for what to do if you are inside your home.
- Practice fire drills.



A FIREWISE HOME HAS

LEAN, CLEAN AND GREEN LANDSCAPING

With creative 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 5 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 saps that burn readily: ornamental junipers, yucca body, red cedar, and dog pine. A list of less-flammable plants can be found on the website www.firewise.org, from your local state forester, forestry office, county extension office or landscape specialist.

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

FIRE-RESISTANT ROOF CONSTRUCTION

Firewise construction materials include Class A 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.

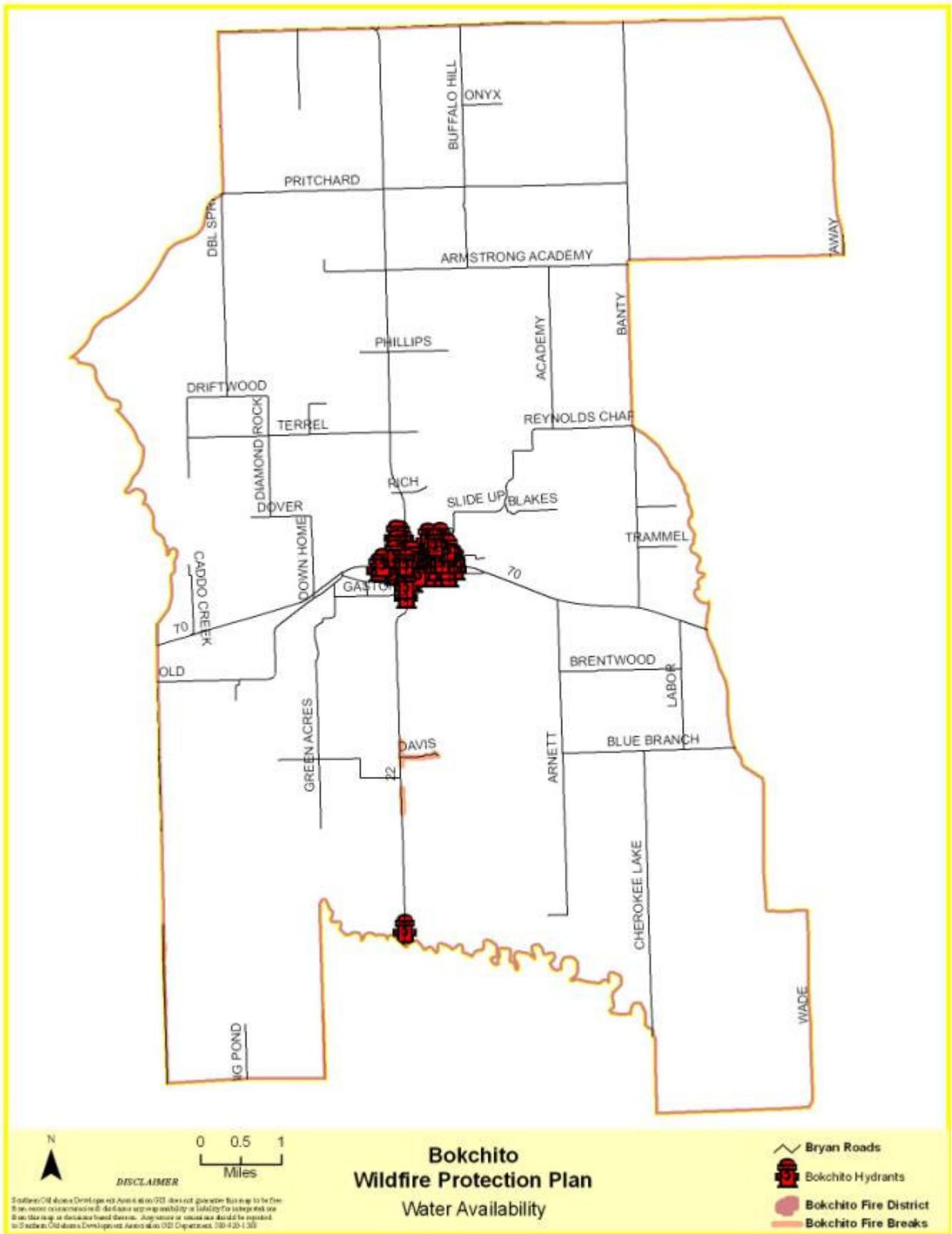
FIRE-RESISTANT EXTERIOR CONSTRUCTION

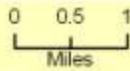
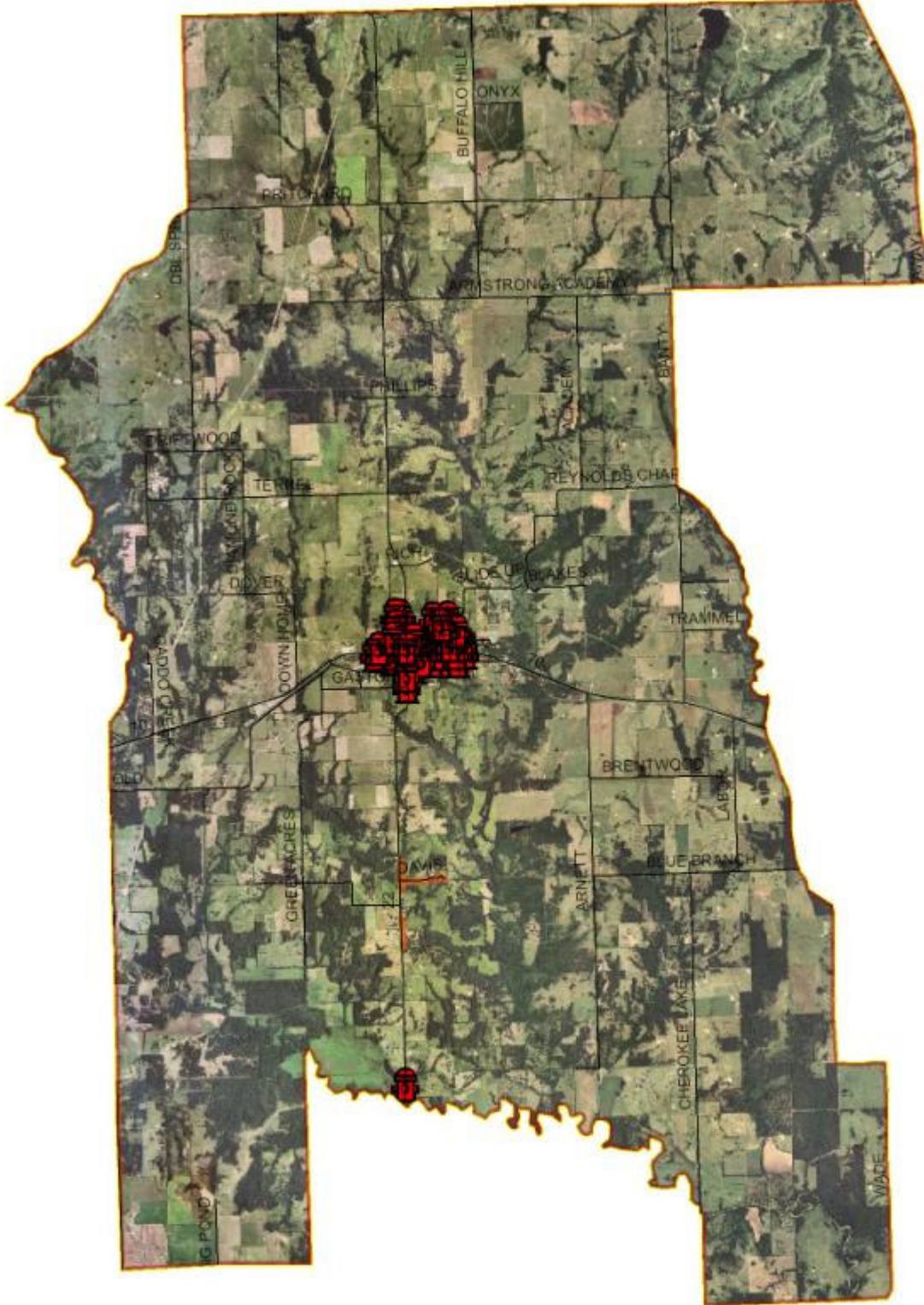
Construction materials that resist heat and flames include: masonry, concrete, plaster, stucco and concrete masonry. Fiberglass and double-pane glass windows can insulate the more resistant to wildfire heat and flames.

Although some vinyl will not burn, some vinyl siding can melt, shelling electrons into the attic space.

EMERGENCY ACCESS

Mark your home and neighborhood with legible and marked street names and numbers so response agencies can rapidly find the location of the emergency. Make a driveway that is at least 12 feet wide with a clear clearance of 15 feet - to provide access to emergency apparatus.





DISCLAIMER

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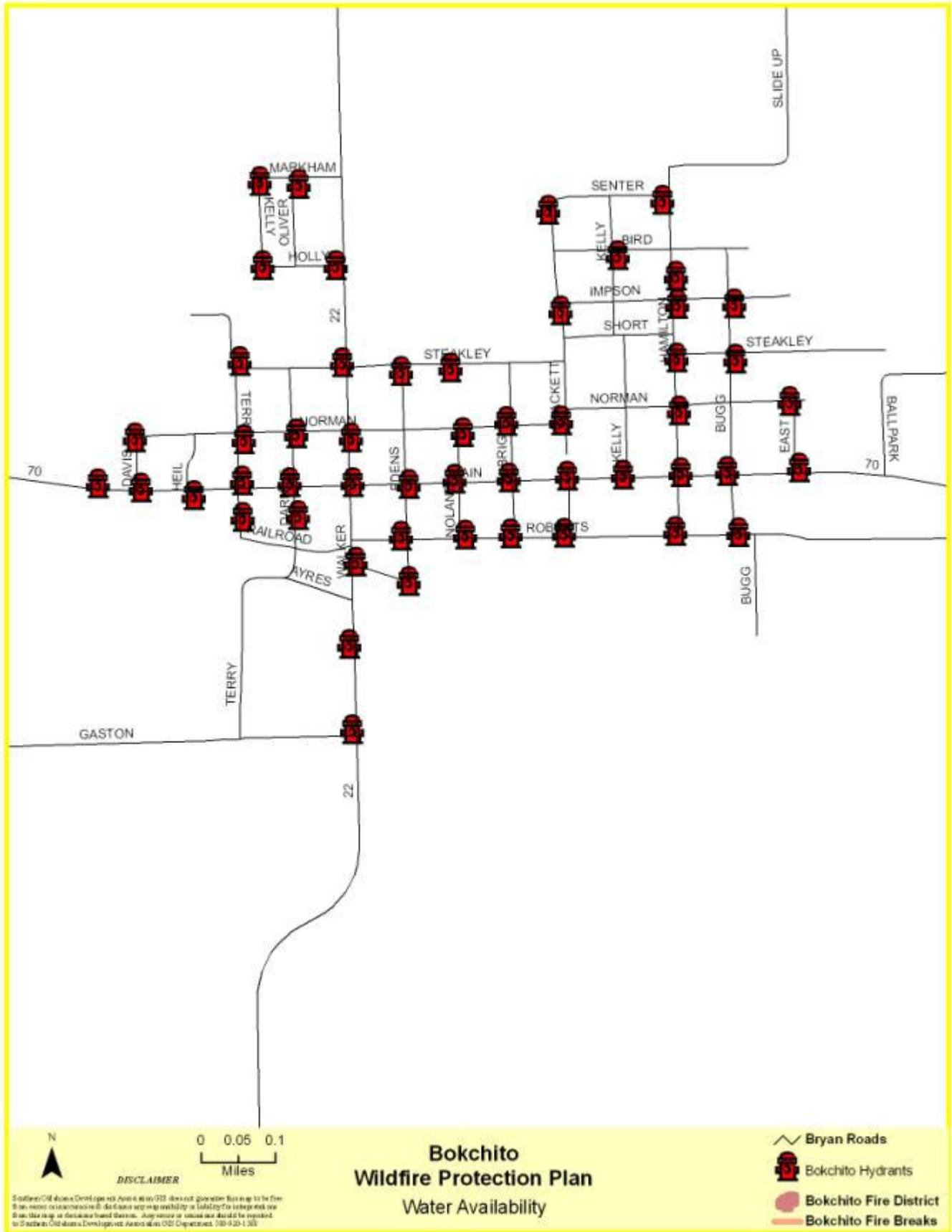
**Bokchito
Wildfire Protection Plan
Water Availability**

 Bryan Roads

 Bokchito Hydrants

 Bokchito Fire District

 Bokchito Fire Breaks



DISCLAIMER

Bokchito Wildfire Protection Plan Water Availability

-  Bryan Roads
-  Bokchito Hydrants
-  Bokchito Fire District
-  Bokchito Fire Breaks

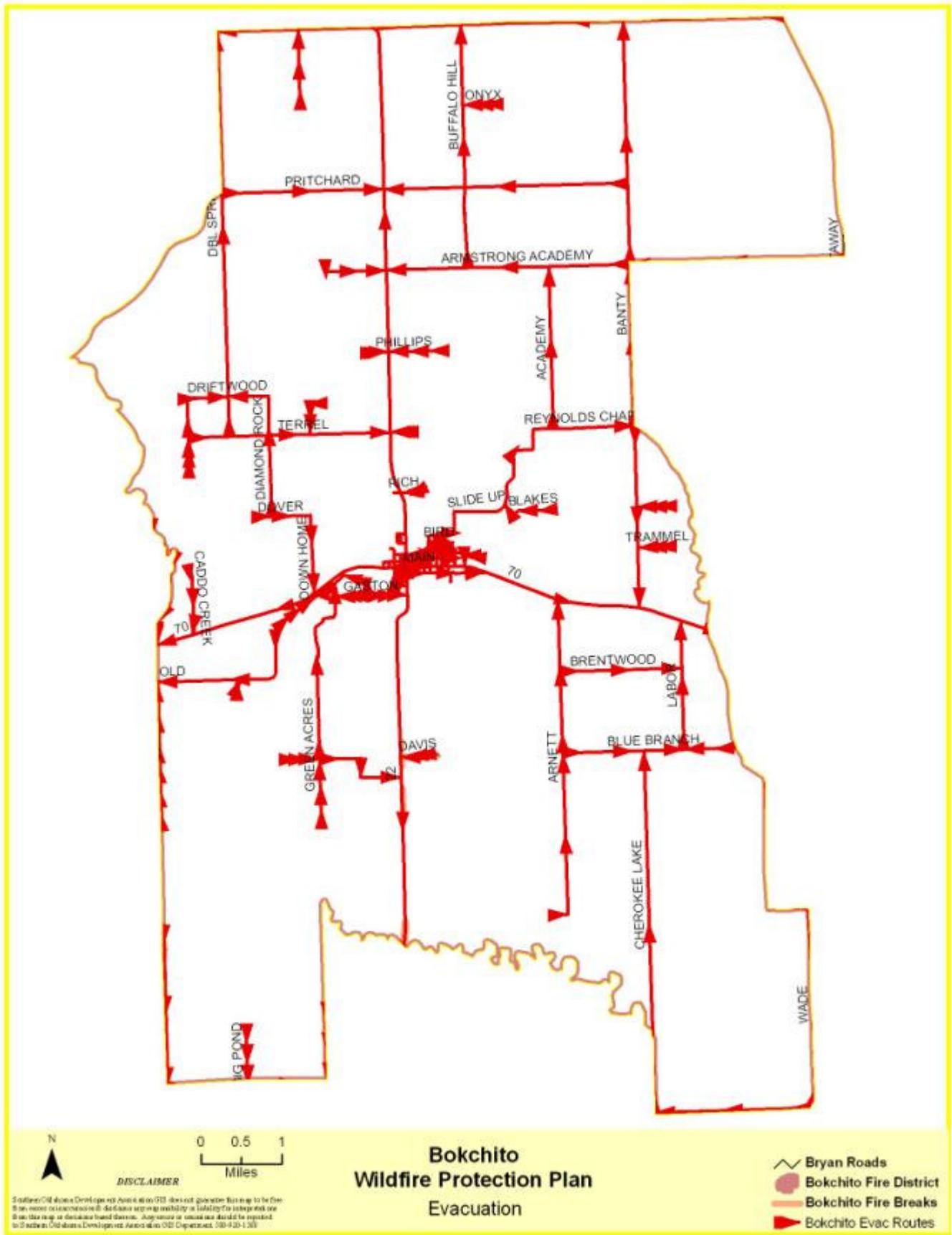
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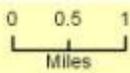
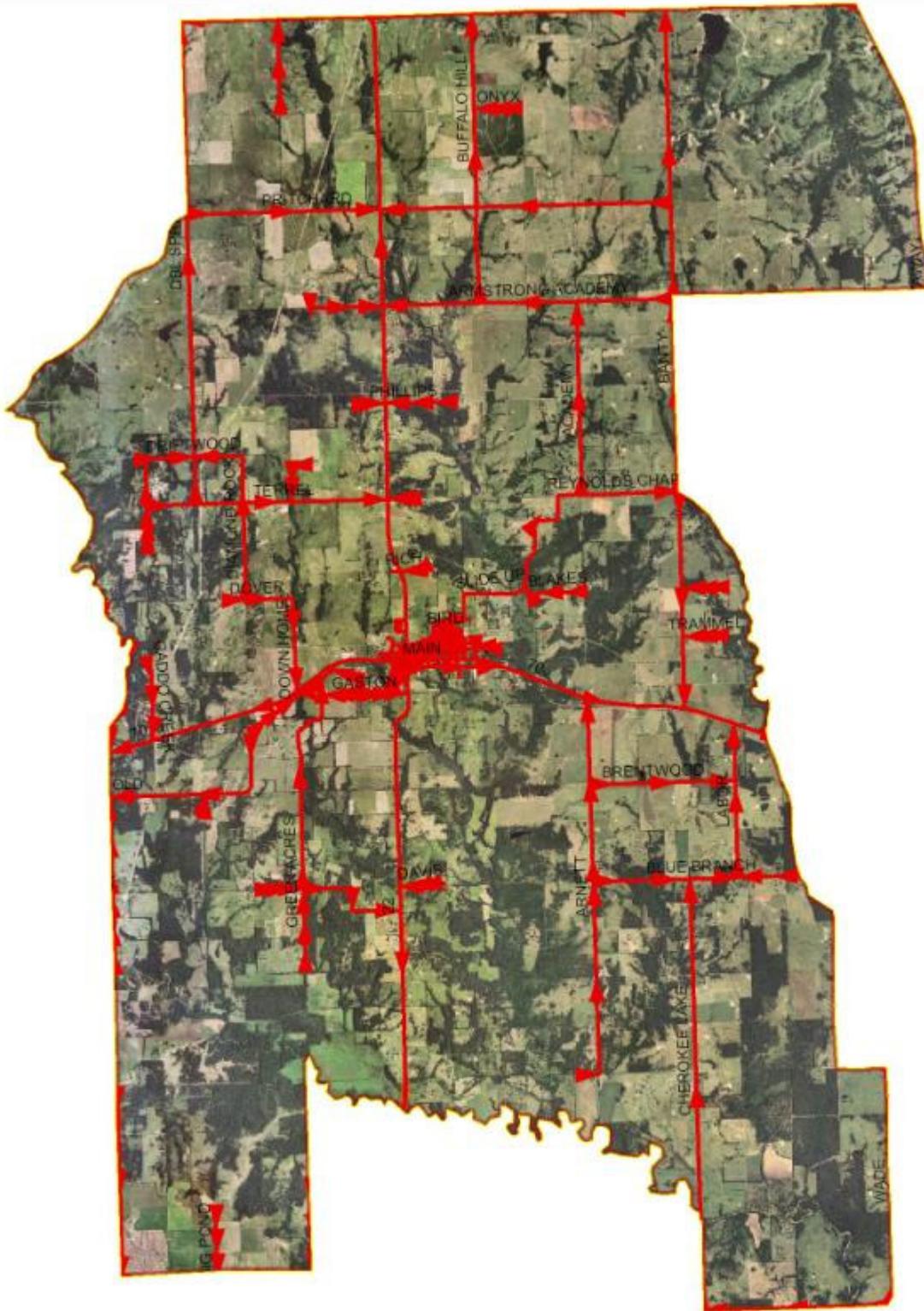


Appendix E

Evacuation





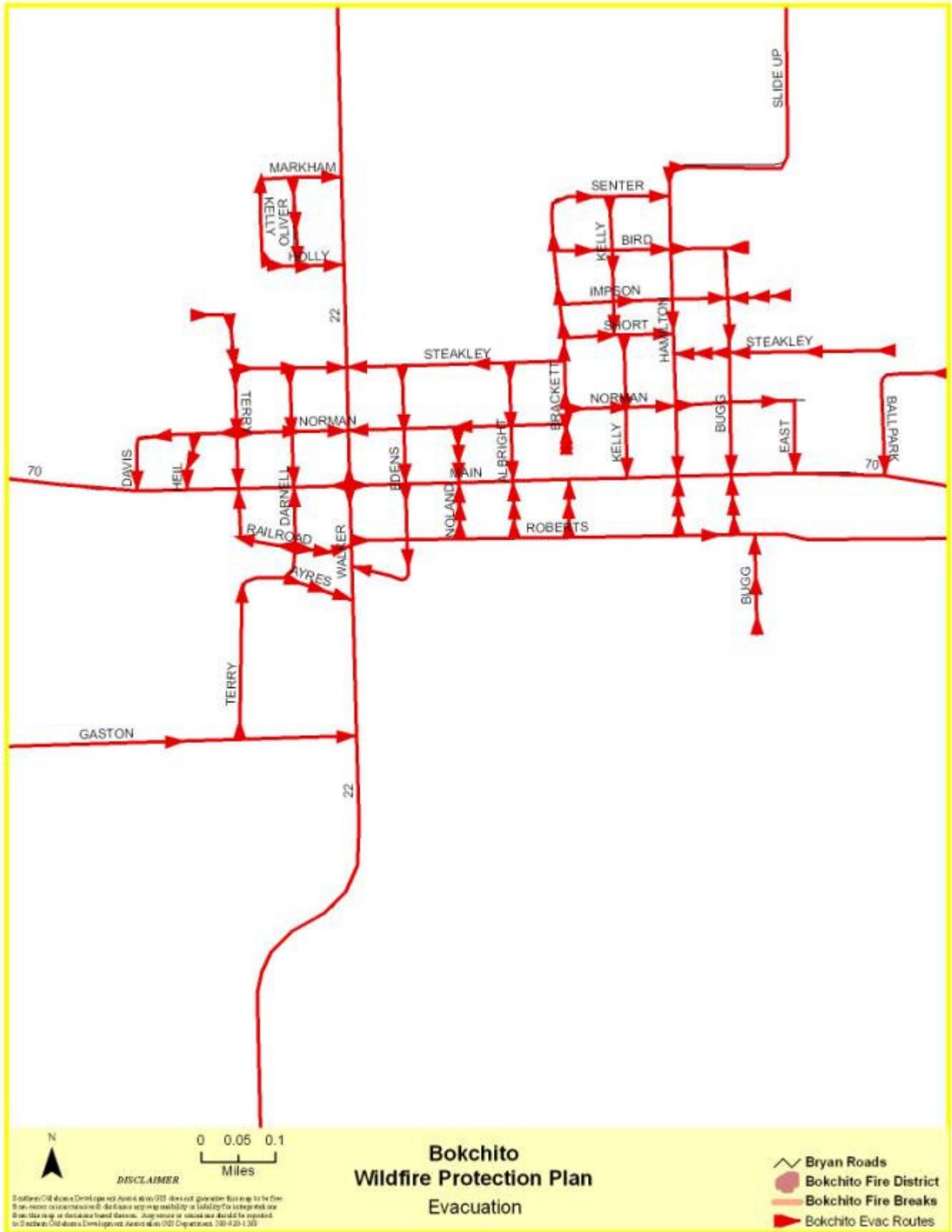


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**Bokchito
Wildfire Protection Plan
Evacuation**

- Bryan Roads
- Bokchito Fire District
- Bokchito Fire Breaks
- Bokchito Evac Routes

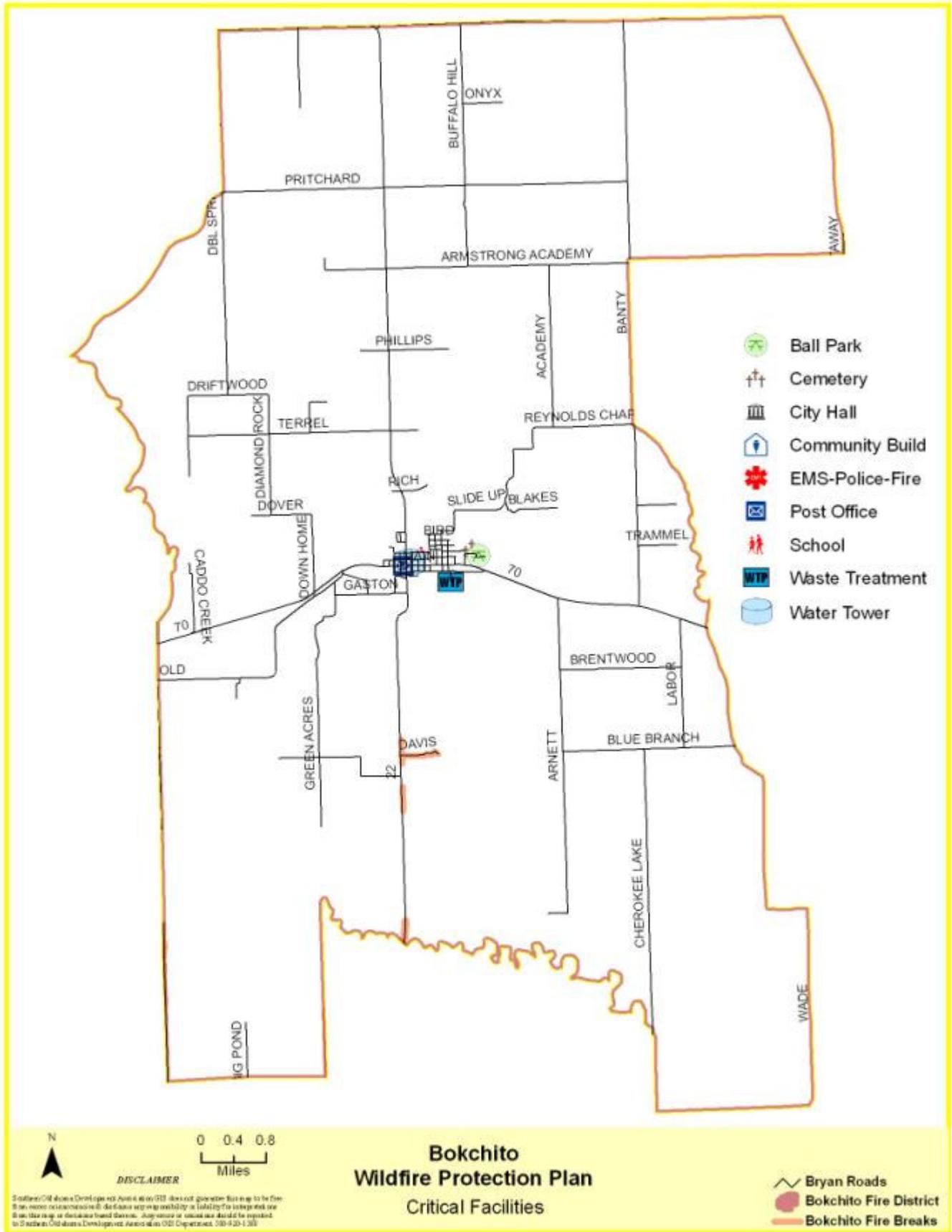




Appendix F

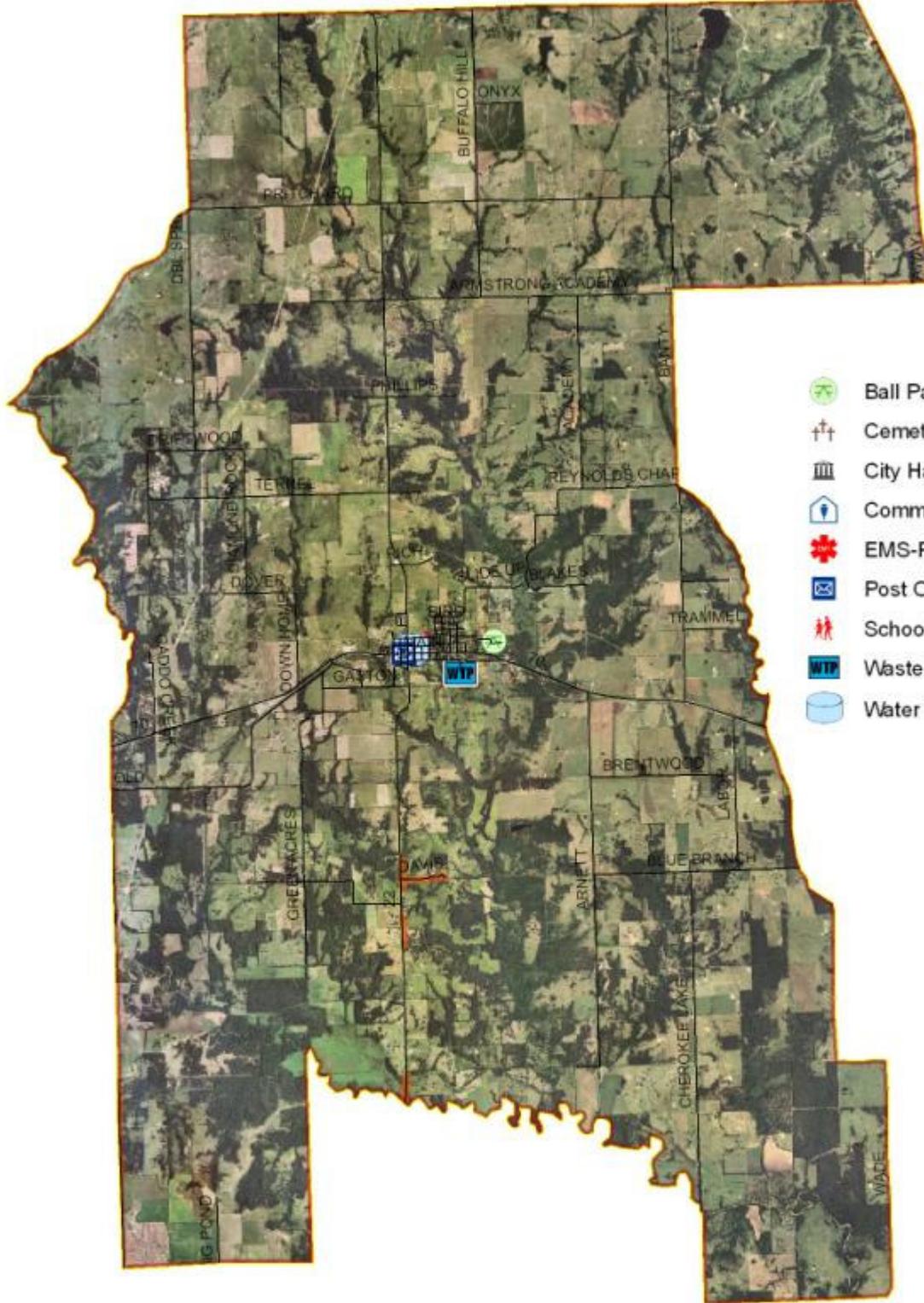
Critical Facilities



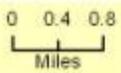


**Bokchito
Wildfire Protection Plan
Critical Facilities**

- Bryan Roads
- Bokchito Fire District
- Bokchito Fire Breaks



-  Ball Park
-  Cemetery
-  City Hall
-  Community Build
-  EMS-Police-Fire
-  Post Office
-  School
-  Waste Treatment
-  Water Tower

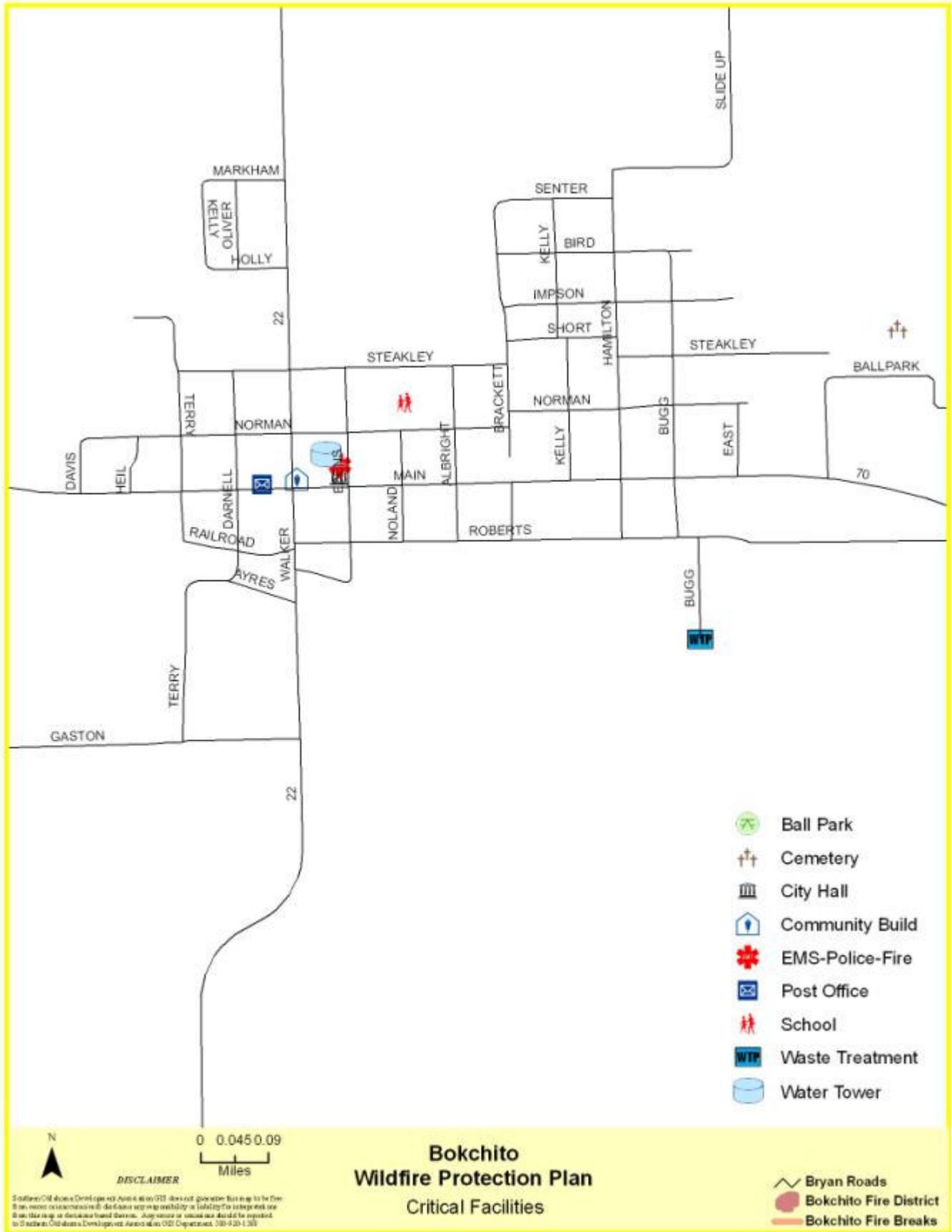


DISCLAIMER

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Bokchito Wildfire Protection Plan Critical Facilities

-  Bryan Roads
-  Bokchito Fire District
-  Bokchito Fire Breaks





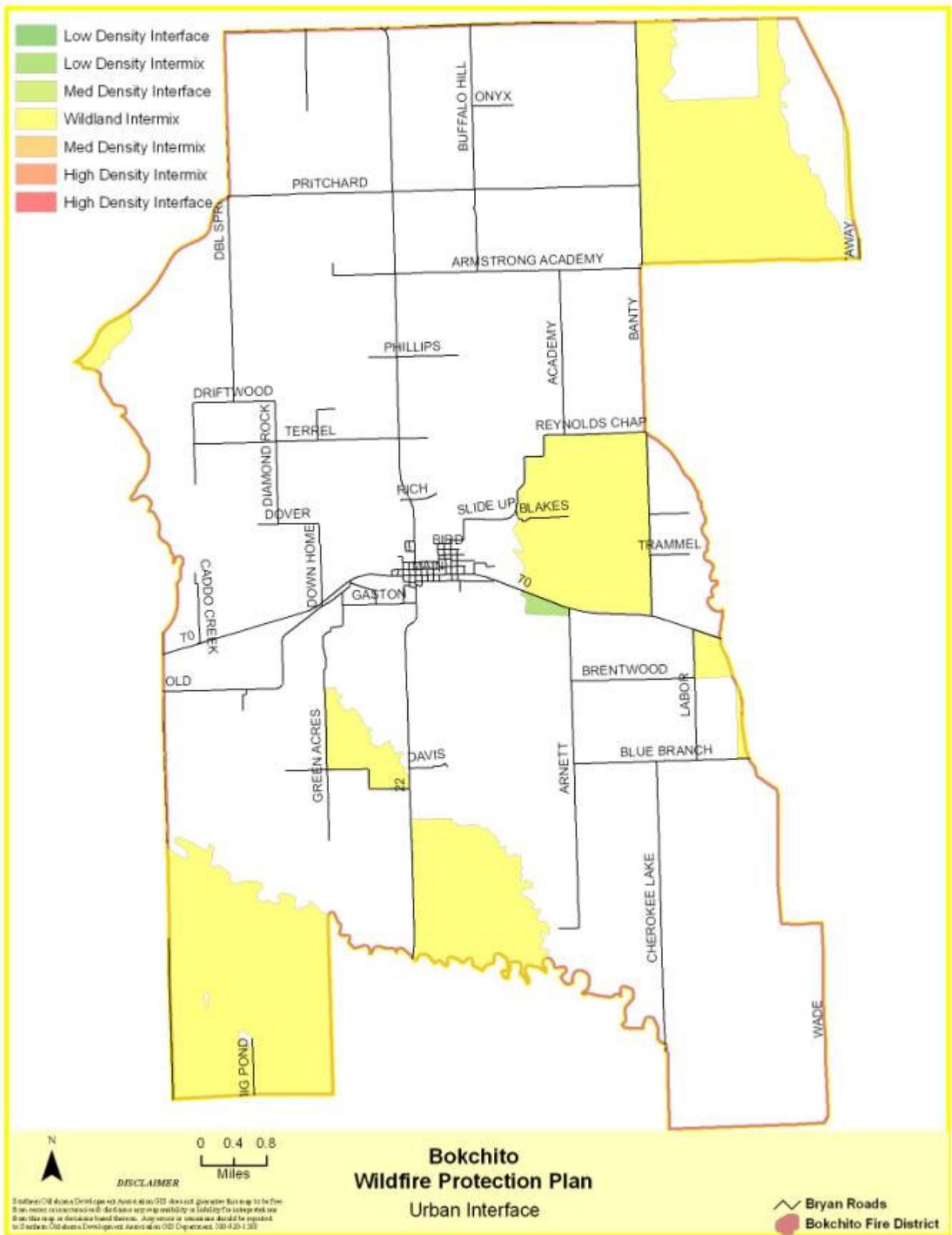
Appendix G

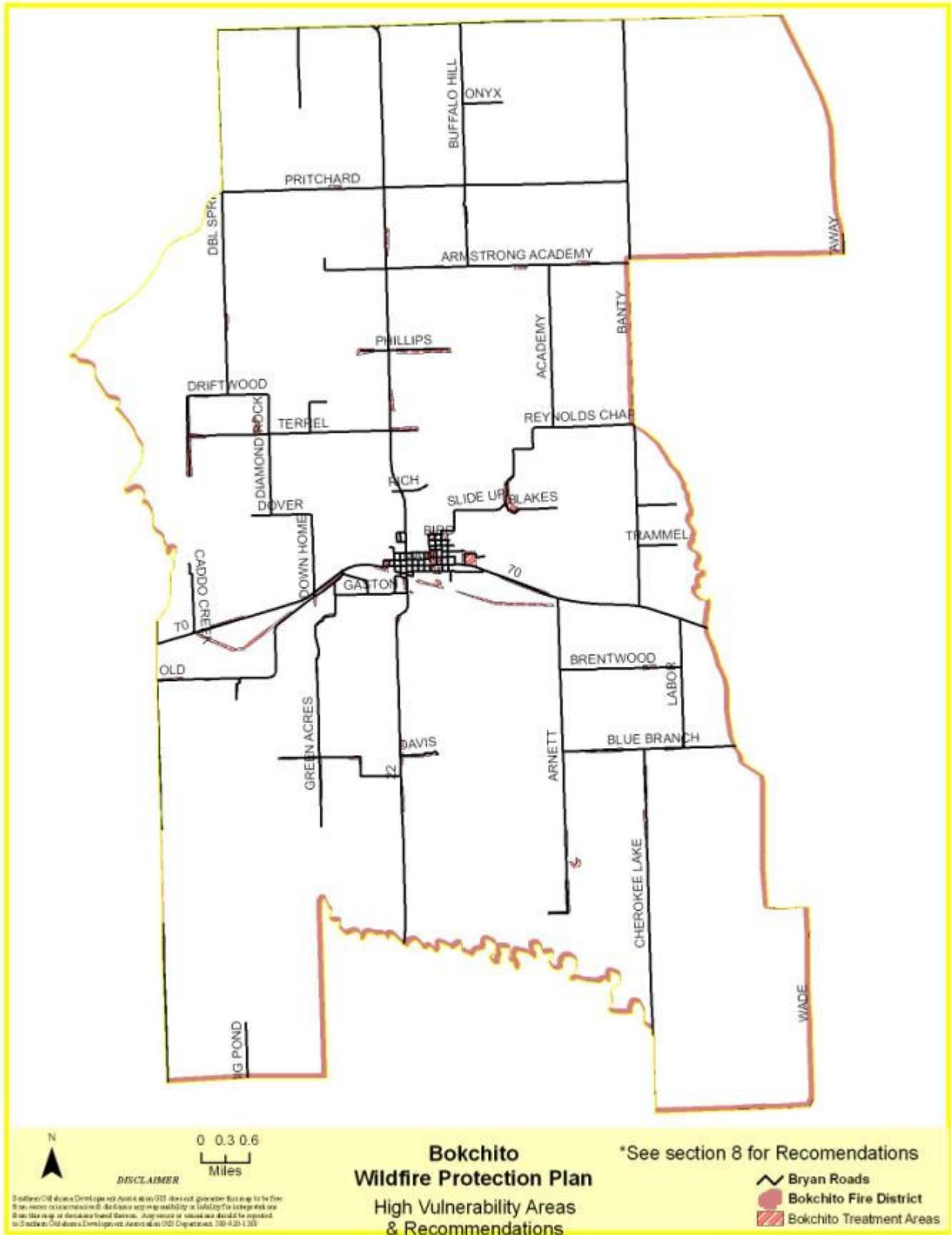
High vulnerability Areas

&

Recommendations











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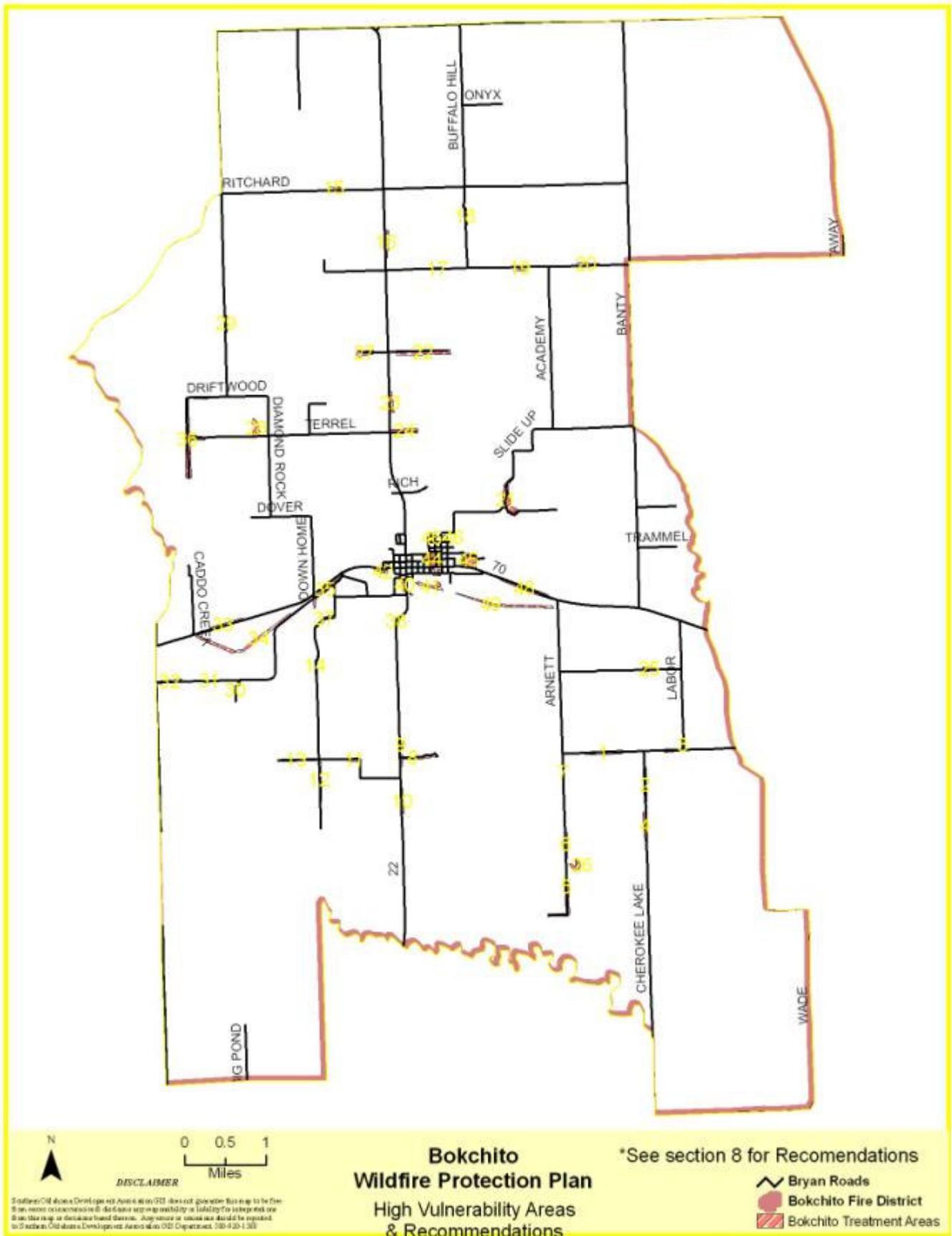
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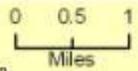
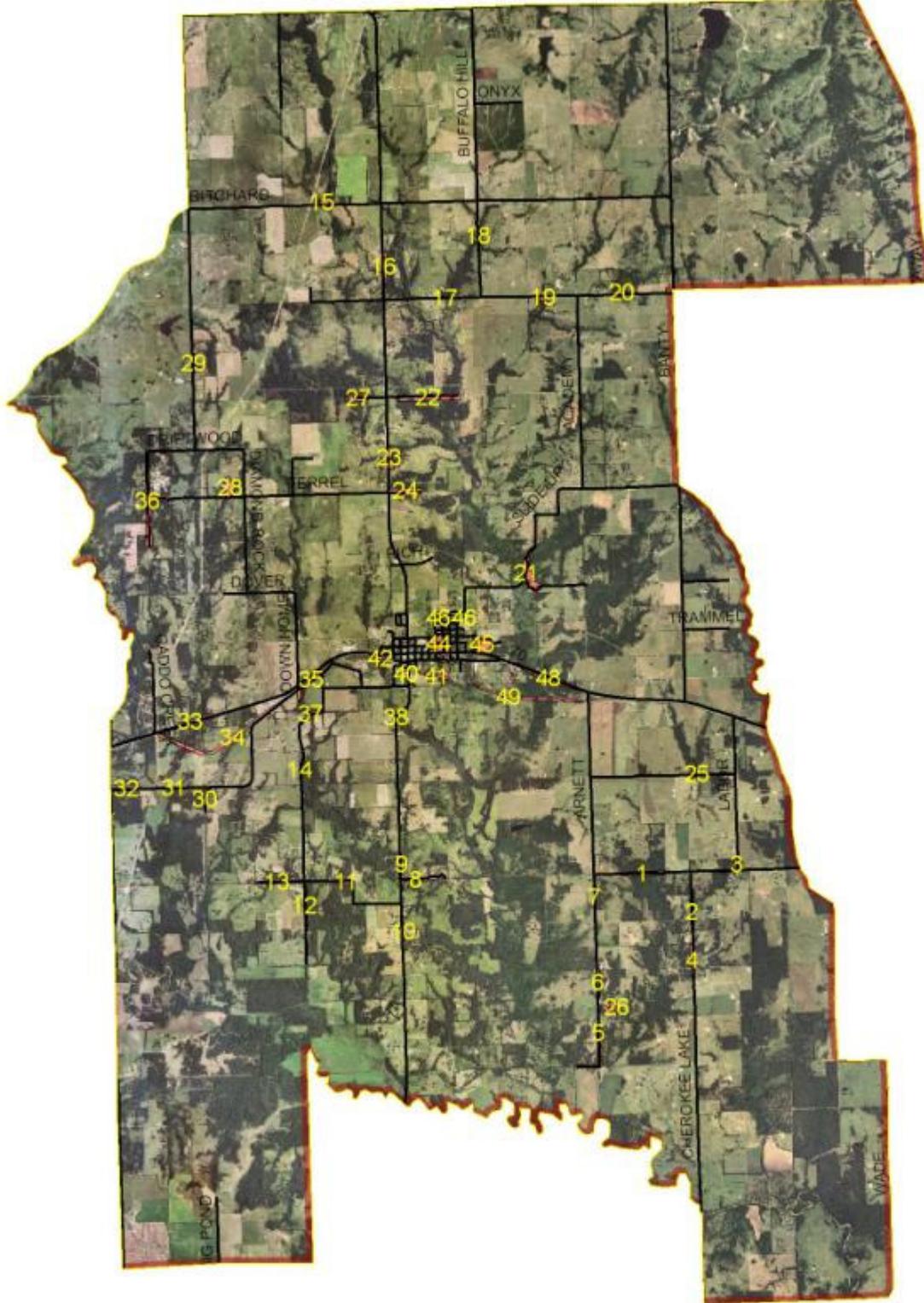
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**Bokchito
Wildfire Protection Plan
High Vulnerability Areas
& Recommendations**

*See section 8 for Recommendations

-  Bryan Roads
-  Bokchito Fire District
-  Bokchito Treatment Areas





DISCLAIMER

Disclaimer: This map shows the results of a GIS analysis of wildfire vulnerability. It is not intended to be used as a substitute for professional engineering or other services. Any use of this map should be subject to the terms and conditions of the license agreement. For more information, contact the Oklahoma Department of Transportation, 200 North Lincoln Avenue, Oklahoma City, Oklahoma 73104.

**Bokchito
Wildfire Protection Plan
High Vulnerability Areas
& Recommendations**

*See section 8 for Recommendations

- Bryan Roads
- Bokchito Fire District
- Bokchito Treatment Areas





Appendix H

Misc.



0 0.05 0.1
Miles

DISCLAIMER

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**Bokchito
Wildfire Protection Plan
High Vulnerability Areas
& Recommendations**

*See section 8 for Recommendations

-  Bryan Roads
-  Bokchito Fire District
-  Bokchito Treatment Areas



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

Vendor: 0000201178
 TOWN OF BOKCHITO
 PO BOX 7
 BOKCHITO FIRE DEPT
 BOKCHITO OK 74726-0007

Purchase Order

Dispatch via Print

Purchase Order 6409009204	Date 08/21/2007	Revision	Page 1
Payment Terms 0 Days	Freight Terms Free on board at Destination	Ship Via Common	
Buyer Paula Albers	Phone 405/522-6584	Currency 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	7,500.0000	7,500.00	08/21/2007

Local Project Funding, Federal Pass-thru Cost-Share funding agreement to install forestry practices in accordance with attached agreement. Reimbursement to be 100% of allowable expenses not to exceed contract amount.

Total PO Amount

7,500.00

COMMENTS:

In accordance with attached agreement. *new CWP 02*
 Contract Period: Purchase Order date through 12 months.

Initial contract period is one year. Contract may be extended/rewarded 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 - Steve Mattax, at 405-522-8889
 Financial - Paula Albers, at 405-522-6152

Agency Reference: 5412, 61, 210, 1111124, 08

8/11/08 - Moved funding to FY 09. pa

9/29/08 - Exercising 2nd year renewal option. New expiration date is 8/21/09. pa

Authorized Signature

File



State of Oklahoma
Department of Agriculture, Food, and Forestry
 2800 N. Lincoln Blvd., P.O. Box 528804, Oklahoma City, OK 73152 (405) 521-3864
 www.oda.state.ok.us

Brad Henry
 Governor

Terry L. Peach
 Secretary and Commissioner

September 29, 2008

Diann Neal
 Community Economic Development Director
 Southern Oklahoma Development Association
 PO Box 709
 Durant, OK 74702-0709

Re: CWPP & Firewise Grant Awards

Dear Ms. Neal:

I am in receipt of your request to exercise the second year renewal option for the following towns:

Atoka	CWPP	0409010161
Bokchito	CWPP	0409009204
Coleman	Firewise	0409010179
Yuba	Firewise	0409010237

All of the above have been extended by one year. You also listed the town of Roberta. Please be advised that although they were awarded a grant they never completed the application and submitted it to our office. As a result, no purchase order was ever issued to them.

If you have any questions, please contact Steve Mattax at 405-522-8889.

Sincerely,

Paula Albers, CPO
 Administrative Programs Officer

Enclosure – Purchase Orders



State of Oklahoma
Department of Agriculture, Food, and Forestry
2800 N. Lincoln Blvd., P.O. Box 528804, Oklahoma City, OK 73152 (405) 521-3864
www.oda.state.ok.us

ok sm
RECEIVED

AUG 03 2007

FORESTRY SERVICES

Brad Henry
Governor

Terry L. Peach
Secretary and Commissioner

July 31, 2007

Dear Applicant:

Congratulations the City of Atoka has been selected to receive a 2007 National Fire Plan CWPP Grant.

Enclosed is a Grant Award - Community Wildfire Protection Plan Grant document. Before your Grant can be activated, I need you to read, sign, and notarize this document.

You also need to read and sign the enclosed Certification Regarding Debarment.

Please return the Grant Award document and the Certification Regarding Debarment to me at 2800 N Lincoln Blvd., Oklahoma City, OK 73105. For your convenience I have included a pre-addressed envelope.

Upon receiving the signed Grant Award and Certification Regarding Debarment, the Oklahoma Department of Agriculture, Food, and Forestry will issue a P.O. This P.O. will be mailed to you with a letter stating that you can start work on the Grant.

Expenses occurring prior to the issuance of the P.O. are not eligible for reimbursement.

If you have any questions please contact Steve Mattax at 405-522-8889.

Sincerely,

Handwritten signature of Stephen Mattax in cursive.

Stephen Mattax, Staff Forester
Forestry Services

Enclosure

The Land We Belong To Is Grand! - Contributing \$7.1 Billion for Oklahoma's Economy

RECEIVED

AUG 03 2007

FORESTRY SERVICES

INSTRUCTIONS FOR CERTIFICATION

1. By signing and submitting this form, the prospective lower tier participant is providing the certification set out on the reverse side in accordance with these instructions.
2. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous, certification, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.
3. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
4. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations.
5. The prospective lower tier participant agrees by submitting this form that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.
6. The prospective lower tier participant further agrees by submitting this form that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transactions," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.
7. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the Non procurement List.
8. Nothing contained in the foregoing shall be constructed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
9. Except for transactions authorized under paragraph 5 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

Form AD - 1048 (2/89)

Addendum:**COMMUNITY WILDFIRE PROTECTION PLAN – NATIONAL FIRE PLAN REIMBURSEMENT
GRANT PROGRAM
(FISCAL YEAR 2007)****General Guidelines**

1. Eligible applicants are communities (cities, towns) with the power to zone or codify development in a geographic area. County governments are not eligible
2. Minimum requirements of a **Community Wildfire Protection Plan, incorporated by reference, (CWPP):**
(For a detailed description of minimum requirements reference "Preparing a Community Wildfire Protection Plan, A Handbook for Wildland-Urban Interface Communities" available on the Internet at <http://www.safnet.org/policyandpress/cwpphandbook.pdf>)

Oklahoma Department of Agriculture, Food, and Forestry/ Forestry Division shall supply CWPP template.

- A. Convene Decisionmakers
 - i. Form a core team made up of representatives from the appropriate local governments, local fire authority, and Oklahoma Department of Agriculture, Food, and Forestry/ Forestry Division
- B. Involve Federal Agencies
 - i. Identify and engage local representatives of the USFS and BIA
 - ii. Contact and involve other land management agencies as appropriate
- C. Engage Interested Parties
 - i. Contact and encourage active involvement in plan development from a broad range of interested organizations and stakeholders.
- D. Establish a Community Base Map
 - i. Work with partners to establish a baseline map of the community that defines the community's WUI and displays inhabited areas at risk, forested area that contain critical human infrastructure and forested areas at risk for large-scale fire disturbance.
- E. Develop a Community Risk Assessment
 - i. Work with partners to develop a community risk assessment that considers fuel hazards; risk of wildfire occurrence; homes, businesses, and essential infrastructure at risk; other community values at risk; and local preparedness capability.
 - ii. Rate the level of risk for each factor and incorporate into the base map as appropriate.
- F. Establish Community Priorities and Recommendations
 - i. Use the base map and community risk assessment to facilitate a collaborative community discussion that leads to the identification of local priorities for fuel treatment, reducing structure ignitability, and other issues of interest, such as improving fire response capability.
 - ii. Clearly indicate whether priority projects are directly related to protection fo communities and essential infrastructure or to reducing wildfire risk to other community values.
- G. Develop an Action Plan and Assessment Strategy
 - i. Consider developing a detailed implementation strategy to accompany the CWPP, as well as a monitoring plan that will ensure long-term success.
- H. Finalize Community Wildfire Protection Plan
 - i. Finalize the CWPP and communicate the results to the community and key partners.

3. Major Categories of expenditures in the development of a Community Wildfire Protection Plan:
 - A. Contracting Services
 - B. Personnel Time
 - C. GIS Software and Hardware
4. Funding limits per Grant are:
 - A. Maximum grant award \$7,500.
 - B. This is a 100% Federal pass-thru reimbursement grant.
 - C. No advance payments will be made. Grant amounts will only be distributed when CWPP is Finalized. Grant amounts may be claimed only on a reimbursement basis; 100% of expenses will be reimbursed up to the grant award amount. (Example: Spend \$5,000 to receive \$5,000 reimbursement.) Only one (1) payment may be requested during the grant period.
 - D. Recipients can only make purchases after their community has been officially awarded a grant and received a copy of the State Purchase Order issued by the Department of Agriculture. Expenses prior to the State Purchase Order date will not be eligible for this grant.
 - E. Recipients must certify eligibility to receive federal funds and must comply with applicable federal regulations.
 - F. Recipients must submit their Federal Employers Identification (FEI) number before a State Purchase Order can be issued.