

The **Hitchcock** Community Wildfire Protection Plan



AN ACTION PLAN FOR WILDFIRE MITIGATION

February 2012

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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.

Community Representatives:

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580-623-0035

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Fire Department Representatives:

John Biggs
Rt. 1, Box 70, Hitchcock, OK 73744
580-330-0798

Perry Scheffler
202 N. Broadway, Hitchcock, OK 73744
580-330-0412

Local Oklahoma Division of Forestry Representatives:

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2901 N. Van Buren, Enid, OK 73703
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Brian Hall, Staff Forester
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brian.hall@oda.state.ok.us

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

<u>Name</u>	<u>Organization</u>
Jonathan Cross	Blaine County Dist. 2
Raymond Scheffler	Blaine County Dist. 3
Vicki Eggers	NODA
Cecil Michael	NODA Rural Fire Coordinator

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roads, it would be a problem to control or stop.

Ingress/Egress: Most of Hitchcock has at least two streets coming in and out so access is very good. Most of the rest of the district has good access with decent all-weather county roads every mile. In the canyon area, there are fewer roads but most are passable with few overhanging branches. In Hitchcock the streets are marked with signs, however outside of town there are some road signs but not at every intersection. This is an issue if mutual aid departments are coming to assist with an emergency so better markings of addresses should be implemented.

Public Fire Protection: Hitchcock Fire Department services the district. Fire hydrants are located in Hitchcock.

Fuel Load: Outside of Hitchcock, many of the roads have grass and weeds growing along them. During droughts and winter months when the plants aren't growing there is a concern the dormant vegetation would be easy fuel for a fire to start or add to its spread.

Fuel Management: Most homeowners in the district keep their yards mowed which helps minimize the fuel load for a fire. Abandoned buildings and houses are a concern as the yards around them are not well maintained and could easily help spread a fire. An area of concern in Hitchcock is on the south side of town and along the abandoned railroad tracks just west of Highway 8. A small cedar mill there has lumber and trees stacked in the area and unmanaged grass growth along the old tracks and the stacks creates a potential fire hazard. With predominate southern winds, a fire in that area would move quickly towards the Assembly of God church and Sooner Co-op which has fuel and a grain elevator.



Development : Most of the homes in the district are located in Hitchcock, although there are occupied homesteads scattered throughout Area 2 and some

in Area 3. Hitchcock is not a growing community, even though it is in close proximity Roman Nose State Park to the southwest.

Defensible Space: Most homes have a good defensible space around them, although there are some in Hitchcock and in the district that need brush trimmed back or removed. Because this is a rural area, many homes are located a fair distance from other homes and buildings. In Hitchcock the homes are not too close to neighbors, however some of the buildings on Main Street are close together, as is the custom of downtown areas in all cities and towns.



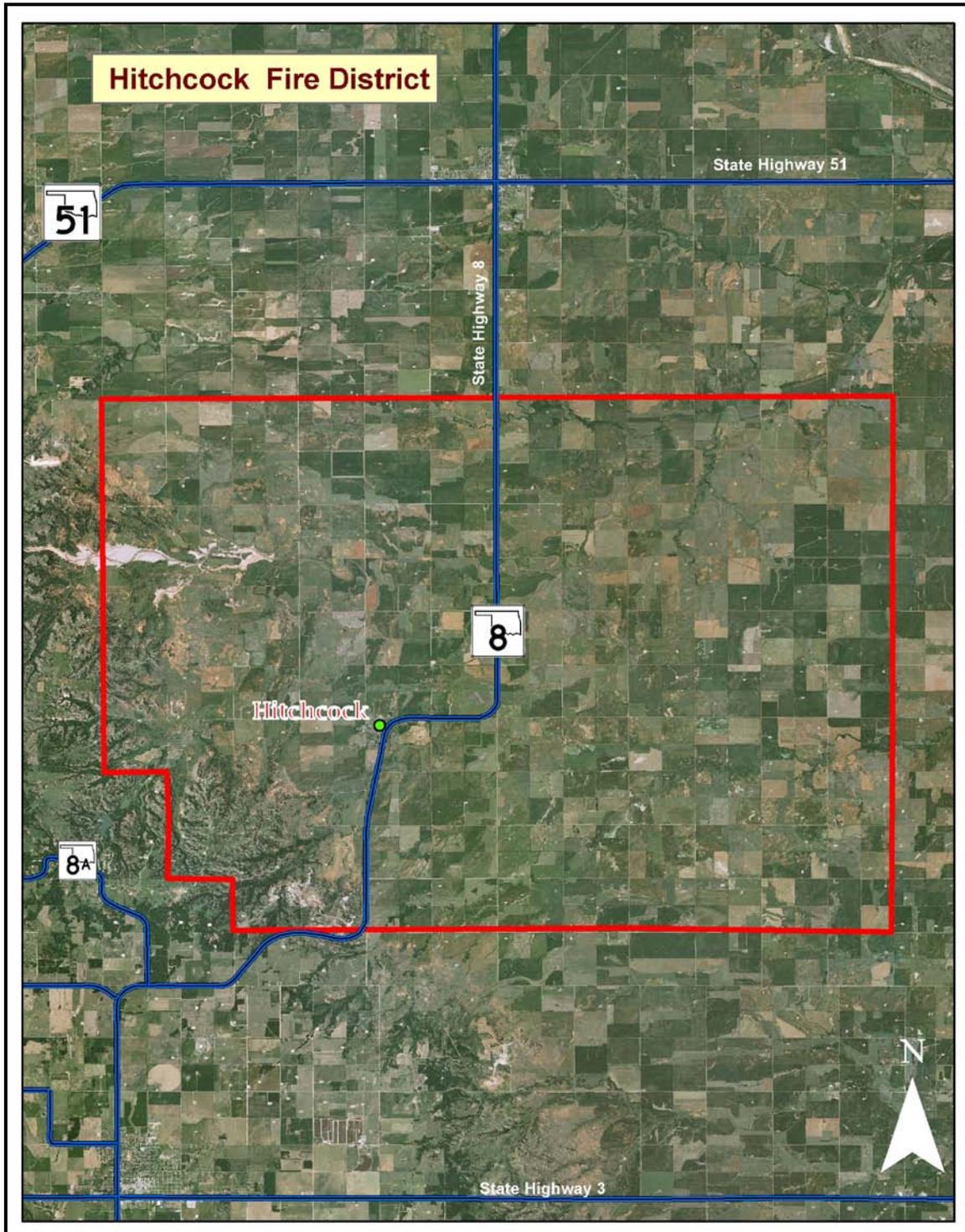
Building Materials: Most homes have metal or fire resistant shingles and many of the homes were built of brick or fire-resistant siding. Most of the trailer houses had underskirting to protect them from hot embers blowing underneath. Some porches and decks need to have underskirting to protect those homes.

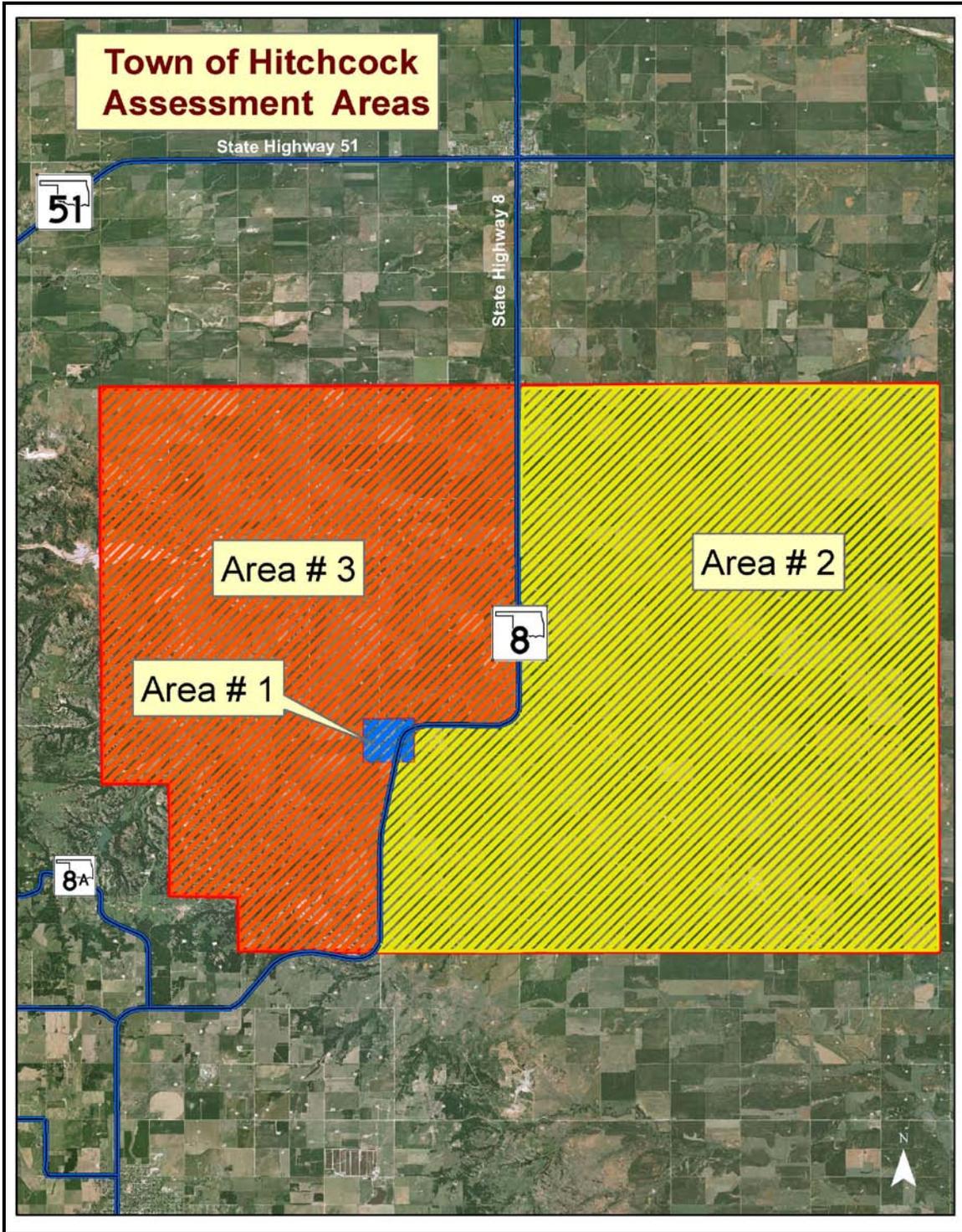
Placement of Utilities: Because this is a rural area, many of the homes utilize propane fuel for heat which has tanks setting above ground near homes or buildings and are a real threat if a wildfire is approaching. Electricity is also above ground because it is cheaper and easier to install the poles than bury lines. High Oklahoma winds whipping power lines around have been known to start wildfires.

Community Wildfire History: (include surrounding areas)

- Relative Frequency: 15 per year
- Common Causes: Incendiary
- Areas of Future Concern: Southern area of town near Sawmill
- Additional Comments:

2) COMMUNITY BASE MAP AND OTHER VISUALS





Area 1 - Town of Hitchcock



3) OBJECTIVES / GOALS

Objectives:

The objective of this plan is to set clear priorities for the implementation of wildfire mitigation in the Hitchcock Fire District henceforth referred to as Hitchcock. This includes prioritized recommendations for the community as a whole and also for individual homeowners where appropriate.

Goals:

1. Identification and education about Firewise landscapes.
2. Improve accessibility for emergency vehicles or to allow better egress in event of evacuation from properties with limited access.
3. Identification and reduction of areas with an increased level of risk due to excessive vegetation or debris.
4. Increase/improve frequency and accuracy of street markers and 911 addressing.
5. Annual evaluation of plan to monitor success and set new goals or address new problems.

4) PRIORITIZED MITIGATION RECOMMENDATIONS

The following recommendations were developed by the Hitchcock Firewise Board 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 and increase resident safety in the assessment area.

Proposed Community Hazard Reduction Priorities:

List area and treatment recommended.

1. Dispose of brush piles on southern part of town.
2. Clear up properties so grass, brush can be maintained.
3. Address cleaning up dilapidated buildings.

Proposed Structural Ignitability Reduction Priorities:

Actions to be taken by homeowners. (Example: Clean roofs and gutters.)

1. Keep grass mowed.
2. Keep hay away from structures.
3. Keep trees trimmed and cedar trees away from structures.
4. Keep firewood away from structures.

Proposed Education and Outreach Priorities:

Activities planned and implemented by community, local fire department and Department of Forestry

1. Engage community meeting and make available Firewise informational and educational material available at vo-tech, high school and

businesses.

2. Firewise Day at the fire department fundraiser. Make Firewise information available.
3. Incorporate Firewise education into Fire Prevention Week.

5) ACTION PLAN

Funding Needs:

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

1. Send out fire safety public awareness with the local water bill. Minimal costs anticipated.
2. Distribute Firewise Brochures supplied by Oklahoma Forestry. No funds needed.
3. Firewise booth incorporated into annual fundraiser event. No additional funds anticipated.
4. Town-wide clean up day. Minimal costs anticipated.

Timetables:

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

1. Send fire safety info in local water bill in April 2012.
2. Firewise brochure distribution to begin February 2012 and repeated as possible.
3. Firewise booth at fundraiser in February 2012.
4. Town-wide cleanup day in April 2012.

Assessment:

Describe the strategy used to assess the plan's progress and effectiveness.

1. Make sure all residents get fire safety awareness information.
2. Fire Chief to ensure delivery of brochures at local community gatherings.
3. Review participation in clean up day and evaluate effectiveness as related to Firewise parameters of properties.

6) WILDFIRE PRE-SUPPRESSION PLAN

A. Wildfire Protection Responsibility

Structural Protection: Hitchcock Fire Department

Wildland Protection: Hitchcock Fire Department, Blaine, Kingfisher, Custer, Major and Canadian County task force teams.

B. Incident Command Post Location

Hitchcock Fire Department or mobilized depending on incident.

C. Incident Staging Area Location

Hitchcock Fire Department, Hitchcock, OK

D. Medical Unit Staging Area Location

Hitchcock Fire Department, Hitchcock, OK

E. Alarm Response

First Alarm

<u>Fire Department/Rescue Squad</u>	<u>Travel Distance</u>	<u>Response Time</u>
Hitchcock FD	0	5-10 minutes

Second Alarm (report to designated staging area)

<u>Fire Department/Rescue Squad</u>	<u>Travel Distance</u>	<u>Response Time</u>
Watonga FD	12	15-20 minutes
Loyal FD	12	15-20 minutes
Okeene FD	12	15-20 minutes
Bureau of Indian Affairs	15	60-120 minutes

F. Air Support

Fixed Wing

<u>Aircraft</u>	<u>Contact Name</u>	<u>Dispatching Guidelines</u>
ODAFF	Mark Goeller	Contact local emergency manager

Helicopter

<u>Aircraft</u>	<u>Contact Name</u>	<u>Dispatching Guidelines</u>
ODAFF	Mark Goeller	Contact local emergency manager

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

Location: Main and Broadway Sts.	Description: Hydrant
Location: N. Broadway & County Rd. E0720	Description: Hydrant
Location: S. Broadway & E0725	Description: Hydrant
Location: W Main & N2610	Description: Hydrant

H. Communications (Attach Communications Plan if available)

<u>Name</u>	<u>Phone Number</u>	<u>Radio Frequencies</u>
<i>Dispatch/Fire Departments</i>		
Watonga FD	580-623-7321	154.130
Okeene FD	580-822-3035	155.130
Loyal FD	405-375-4070	155.760
Omega FD	405-375-4070	155.760
<i>Local Department of Forestry Office</i>		
Dan Stidham	405-237-4810	State Fire 154.1300000

I. Evacuation (Attach Evacuation Plan)

1. North or south on State Highway 8.
2. East or west on County Road E0720

J. Resource List

<u>Name</u>	<u>Contact Information</u>	
Support Agencies		
NODA Rural Fire Coord.	Cecil Michael 580-237-4810	
Blaine County Sheriff	Rick Answorth 580-623-5111	
Blaine Co. Dist. 2	Jonathan Cross 580-833-3359	
Blaine Co. Dist. 3	Raymond Scheffler 580-623-5202	
Blaine Co. EM	Anita Cowan 580-623-1013	
Hamm and Phillips	580-623-8530	
Okeene EMS	Non-emergency 580-822-4031; Emergency 911	
Tractor Operators		
Blaine Co. Dist. 2	Jonathan Cross 580-833-3359	
Blaine Co. Dist. 3	Raymond Scheffler 580-623-5202	
Crews		
Blaine Co. Dist. 2	Jonathan Cross 580-833-3359	
Blaine Co. Dist. 3	Raymond Scheffler 580-623-5202	
<u>Name</u>	<u>Contact Information</u>	<u>Payment Information</u>
Utilities		
OG&E	1-800-272-9741	
Cimarron Electric	1-405-375-4121	
Center Point Energy	1-866-275-5265	
Fuel		
Sooner Coop	580-825-3225	Cash
Blaine Co. Dist. 2	580-833-3359	County to supply fuel on
Blaine Co. Dist. 3	580-623-5202	large mutual aid support via fuel trucks

Food and Supplies

American Red 580-237-5994
Cross, 1023 W. Elm,
Enid, OK 73703

Noble House
Restaurant, 580-623-2559 Cash
Watonga

Pizza Hut, Watonga 582-623-8042 Cash

T-Macs, Okeene 580-822-4490 Cash

Lodging

Watonga Motel 580-623-8062 Cash

The Western Inn, 580-623-2871 Cash
Watonga

Roman Nose Lodge 580-623-7281 Cash

Okeene Motel 580-822-4491 Cash

7) ADDITIONAL COMMENTS

8) ATTACHMENTS (List here in order of attachment)

Wildfire Hazard Rating Explanation

Assessment Area 1

Assessment Area 2

Assessment Area 3

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 Risk 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 Risk 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 Risk 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 Risk 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.

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

Area 1 - Town of Hitchcock

Forestry Office: Enid

Community: Hitchcock

County: Blaine

Latitude:

Longitude:

Fire Department: Hitchcock FD

Date: 2011

Acres: Lots: Yes

Homes: Yes Future Homes:

Business and Industrial Area:

CALCULATING THE WILDFIRE HAZARD RATING

SUBDIVISION DESIGN HAZARD RATING	+ SITE HAZARD RATING	+ BUILDING CONSTRUCTION HAZARD RATING	+ ADDITIONAL FACTOR HAZARD RATING	= OVERALL WILDFIRE HAZARD RATING
6	30	5	28	68

SUBDIVISION DESIGN RATING	Rating	
ACCESS		
Two or more roads	0	0
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	2
Surfaced road, grade >5%	2	
Non-surfaced road, grade <5%	2	
Non-surfaced road, grade >5%	5	
Other than all-season road	7	
SECONDARY ROAD TERMINUS		
<300 ft with turnaround	0	2
>300 ft with turnaround	2	
<300 ft without turnaround	4	
>300 ft without turnaround	5	
UNSAFE ROADWAY		
No flammable vegetation threat	0	0
Highly flammable vegetation along road	5	
STREET SIGNS		
Present 4 inches in size and reflective	0	0
Not present	5	
TOTAL SUBDIVISION DESIGN		6

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 ft long	0	0
More than 150 ft long with minimum 45 ft outside radius turnaround	3	
More than 150 ft with inadequate turnaround	5	
Average driveway width more than 12 ft	0	0
Average driveway width less than 12 ft	5	
No obstructing overhead branches below 15 ft	0	0
Obstructing overhead branches below 15 ft	5	
No bridges or bridges with no weight and or width restrictions	0	0
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 clearly visible from road	5	
DOMINANT TREES (within 100 ft of homes)		
Deciduous	1	5
Mixed	5	
Evergreen	10	
LADDER FUELS		
Evergreen branches pruned up at least 6 ft	0	0
Evergreen branches close to ground	5	
VEGETATION (predominant type throughout community)		
Light (e.g. grasses and forbs) NFDRS Fuels Models A, C, L, N, S and T	5	10
Medium (e.g. light brush and small trees) NFDRS Fuels Models D, E, F, H, P, Q and U	10	
Heavy (e.g. dense brush, timber and hardwoods) NFDRS Fuels 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	10
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	0
Unthinned or unmanaged timber within 100 ft	5	
TOTAL SITE HAZARD RATING		30

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	0	
50 to 75% of homes have 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	5	
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 equivalent of fine mesh screening underneath	0	0	
50 to 75% of homes have equivalent of fine mesh screening underneath	5		
Less than 50% of homes have equivalent of fine mesh screening underneath	10		
TOTAL BUILDING CONSTRUCTION HAZARD RATING		5	

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 road miles of community	15		
UTILITIES			
Both underground	0	3	
One underground, one above ground	3		
Both above ground	5		
SURROUNDING ENVIRONMENT			
Community is not surrounded by any large natural landscapes	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		28	

OKLAHOMA FORESTRY DIVISION
COMMUNITY WILDFIRE RISK AND HAZARD ASSESSMENT



Concerns: Red highlighted area west of Highway 8. A small cedar mill there with stacked lumber and trees, overgrowth of grasses and brush all creates a potential fire hazard. A fire here could move quickly towards the Assembly of God church and Sooner Co-op which has fuel pumps and grain storage.

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.

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

Area 2 - East of Hwy 8

Forestry Office: Enid

Community: Hitchcock

County: Blaine

Latitude:

Longitude:

Fire Department: Hitchcock FD

Date: 2011

Acres: Lots: Homes: Yes Future Homes: Yes

Business and Industrial Area:

CALCULATING THE WILDFIRE HAZARD RATING

SUBDIVISION DESIGN HAZARD RATING	+ SITE HAZARD RATING	+ BUILDING CONSTRUCTION HAZARD RATING	+ ADDITIONAL FACTOR HAZARD RATING	= OVERALL WILDFIRE HAZARD RATING
21	43	0	33	97

SUBDIVISION DESIGN RATING	Rating	
ACCESS		
Two or more roads	0	
One road, plus alternative	3	0
One road in/out	7	
SUBDIVISION BRIDGES		
No bridges or bridges with no weight and or width restrictions	0	
Low weight or narrow bridges restricting emergency access	5	5
PRIMARY ROAD WIDTHS		
>24 ft	0	
>20 ft and <24 ft	2	2
<20 ft	4	
ACCESSIBILITY		
Surfaced road, grade <5%	0	
Surfaced road, grade >5%	2	
Non-surfaced road, grade <5%	2	2
Non-surfaced road, grade >5%	5	
Other than all-season road	7	
SECONDARY ROAD TERMINUS		
<300 ft with turnaround	0	
>300 ft with turnaround	2	
<300 ft without turnaround	4	2
>300 ft without turnaround	5	
UNSAFE ROADWAY		
No flammable vegetation threat	0	
Highly flammable vegetation along road	5	5
STREET SIGNS		
Present 4 inches in size and reflective	0	
Not present	5	5
TOTAL SUBDIVISION DESIGN		21

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 ft long	0	3
More than 150 ft long with minimum 45 ft outside radius turnaround	3	
More than 150 ft with inadequate turnaround	5	
Average driveway width more than 12 ft	0	0
Average driveway width less than 12 ft	5	
No obstructing overhead branches below 15 ft	0	0
Obstructing overhead branches below 15 ft	5	
No bridges or bridges with no weight and 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 clearly visible from road	5	
DOMINANT TREES (within 100 ft of homes)		
Deciduous	1	5
Mixed	5	
Evergreen	10	
LADDER FUELS		
Evergreen branches pruned up at least 6 ft	0	5
Evergreen branches close to ground	5	
VEGETATION (predominant type throughout community)		
Light (e.g. grasses and forbs) NFDRS Fuels Models A, C, L, N, S and T	5	10
Medium (e.g. light brush and small trees) NFDRS Fuels Models D, E, F, H, P, Q and U	10	
Heavy (e.g. dense brush, timber and hardwoods) NFDRS Fuels 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	10
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	0
Unthinned or unmanaged timber within 100 ft	5	
TOTAL SITE HAZARD RATING		43

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	0
50 to 75% of homes have 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	0
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 equivalent of fine mesh screening underneath	0	0
50 to 75% of homes have equivalent of fine mesh screening underneath	5	
Less than 50% of homes have equivalent of fine mesh screening underneath	10	
TOTAL BUILDING CONSTRUCTION HAZARD RATING		0

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 road miles of community	15	
UTILITIES		
Both underground	0	3
One underground, one above ground	3	
Both above ground	5	
SURROUNDING ENVIRONMENT		
Community is not surrounded by any large natural landscapes	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		33

OKLAHOMA FORESTRY DIVISION
COMMUNITY WILDFIRE RISK AND HAZARD ASSESSMENT

Much of this area is fairly level farm ground without many trees and shrubs. At the wrong time of year a wildfire could spread very quickly on short wheat stubble with gusty winds, but with low winds could be quickly contained with minimal damage.

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.

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

Area 3 - West of Hwy 8

Forestry Office: Enid

Community: Hitchcock

County: Blaine

Latitude:

Longitude:

Fire Department: Hitchcock FD

Date: 2011

Acres: Lots: Homes: Yes Future Homes: Yes

Business and Industrial Area:

CALCULATING THE WILDFIRE HAZARD RATING

SUBDIVISION DESIGN HAZARD RATING	+ SITE HAZARD RATING	+ BUILDING CONSTRUCTION HAZARD RATING	+ ADDITIONAL FACTOR HAZARD RATING	= OVERALL WILDFIRE HAZARD RATING
24	55	0	42	121

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

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 ft long	0	3
More than 150 ft long with minimum 45 ft outside radius turnaround	3	
More than 150 ft with inadequate turnaround	5	
Average driveway width more than 12 ft	0	0
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 and or width restrictions	0	5
Bridges restricting emergency vehicle access	5	
Slopes level or less than 10%	0	5
Slopes over 10%	5	
No gate/non-locking gate	0	0
Locked gate	5	
Address clearly visible from road	0	0
Address not clearly visible from road	5	
DOMINANT TREES (within 100 ft of homes)		
Deciduous	1	5
Mixed	5	
Evergreen	10	
LADDER FUELS		
Evergreen branches pruned up at least 6 ft	0	5
Evergreen branches close to ground	5	
VEGETATION (predominant type throughout community)		
Light (e.g. grasses and forbs) NFDRS Fuels Models A, C, L, N, S and T	5	10
Medium (e.g. light brush and small trees) NFDRS Fuels Models D, E, F, H, P, Q and U	10	
Heavy (e.g. dense brush, timber and hardwoods) NFDRS Fuels 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	2
Moderate (6-20%)	2	
Steep (over 20%)	4	
DEFENSIBLE SPACE		
No trees, shrubs or tall grass within 30 ft	0	10
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 100 ft	5	
TOTAL SITE HAZARD RATING		55

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	0
50 to 75% of homes have 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	0
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 equivalent of fine mesh screening underneath	0	0
50 to 75% of homes have equivalent of fine mesh screening underneath	5	
Less than 50% of homes have equivalent of fine mesh screening underneath	10	
TOTAL BUILDING CONSTRUCTION HAZARD RATING		0

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 road miles of community	15	
UTILITIES		
Both underground	0	5
One underground, one above ground	3	
Both above ground	5	
SURROUNDING ENVIRONMENT		
Community is not surrounded by any large natural landscapes	0	15
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	5
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		42

OKLAHOMA FORESTRY DIVISION
COMMUNITY WILDFIRE RISK AND HAZARD ASSESSMENT



Rough terrain of the canyons makes for difficulty getting to a wildfire because there aren't a lot of roads in that areas.

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.

