

# The **Hennessey** Community Wildfire Protection Plan



AN ACTION PLAN FOR WILDFIRE MITIGATION

August 2011

Prepared by: Jay States, Cecil Michael and Vicki Eggers  
Organization: Northern Oklahoma Development Authority (NODA)  
Contact Information:  
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580-237-4810  
cecil@nodanet.org  
580-237-8230 (fax)



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 Representative(s):**

Jimmy Berkenbile  
Rt. 1, Box 4D, Hennessey, OK 73742  
405-853-5071  
eaglepropane@pldi.net

Jack Choate III  
116 S. Main St., Hennessey, OK 73742  
405-853-4661 Office 405-853-4433 Home  
jack.choate@okfb.com

Tiffany Tillman  
P.O. Box 306, Hennessey, OK 73742  
405-853-2416  
hennesseyokus@pldi.net

**Local Fire Department Representative(s):**

Bert Gritz, Fire Chief  
P.O. Box 306, Hennessey, OK 73742  
405-853-2202 Emergency  
405-853-5119 Cell 405-853-2564 Work

Tim Riddle, Assistant Fire Chief  
610 Red Fork Dr., Hennessey, OK 73742  
405-853-6744 Home 405-853-1678 Cell  
405-853-6880 Work

James Matousek, Fire Marshal  
528 N. Cheyenne, Hennessey, OK 73742  
405-853-6089  
405-853-5089

**Local Oklahoma Division of Forestry Representative(s):**

Dan Stidham, Area Forester  
2901 N. Van Buren, Enid, OK 73703  
580-237-4810  
dan.stidham@oda.state.ok.us

Brian Hall, ODAFF Forester  
ODAFF, 2800 N. Lincoln Blvd., Oklahoma City, OK 73105  
405-521-3864  
brian.hall@oda.state.ok.us

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

Name

John R. Gritz  
Dan Stidham  
Vicki Eggers  
Cecil Michael  
Ray Shimanek

Organization

Town of Hennessey  
ODAFF Area Forester, Enid  
NODA Staff  
Northern Oklahoma Development Authority  
County Commissioner



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**1) COMMUNITY BACKGROUND AND EXISTING SITUATION**

**Community Description:**

County: Kingfisher Latitude/Longitude: 36° 06'33"N  
97° 53'55"W  
Frontage Road: Main Street (U.S. Hwy 81) Nearest Intersection: U.S. Hwy 81 & First Street  
Nearest Fire Department: Hennessey FD, Hennessey, OK  
Interface Areas: WUI on all sides of town and an active railroad through town north to south. Year Established: 1893

**Community Size:**

Number of Lots: 2,275 Number of Structures: 1,000  
Estimated Acres: 960 Development Status: Active

**Community Infrastructure:**

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

**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: October 2009 See attached assessment forms.

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

With assistance from ODAFF representatives and the Hennessey Firewise Board, Northern Oklahoma Development Authority (NODA) completed Community Wildfire Risk Assessment. Hennessey is predominantly surrounded by agricultural land.

The Union Pacific Railroad runs north and south through town. An area between 6<sup>th</sup> to 7<sup>th</sup> Streets has piles of dead brush with overgrown brush and trees on west side of the tracks. On Bonita there are overgrown trees and shrubs around old dilapidated houses and some round hay bales stacked with medium overgrown brush. Turkey Creek trailer park only has one entrance and borders east side with trees and brush. OG&E electrical substation on Cemetery Rd between 3<sup>rd</sup> and Cemetery Rd.

Several dilapidated houses with overgrown yards, brush and/or trees on 3rd St. A yard is piled full of junk and automobiles blocking the entrance to the home and lot. In some areas there's a scattering manufactured homes but the vast majority of them have good skirting. A lot of older mason siding or brick homes In Hennessey and most homes

have asphalt and tile shingles. However there are still many dilapidated homes scattered through town.

The school bus barn has gas and diesel pumps on the east side of Mitchell Rd. There is an overgrown brush area between the school administration building and Church of Nazarene.

In Assessment Area 5 some lots have overgrowth touching the homes and ran down structures. Difficult access for fire trucks and little or no turn around. Area 8 is primarily homes and lots along golf course. Two homes have shake roofs. Some homes are surrounded by trees and tall brush and a lot of trees and tall brush between the homes.

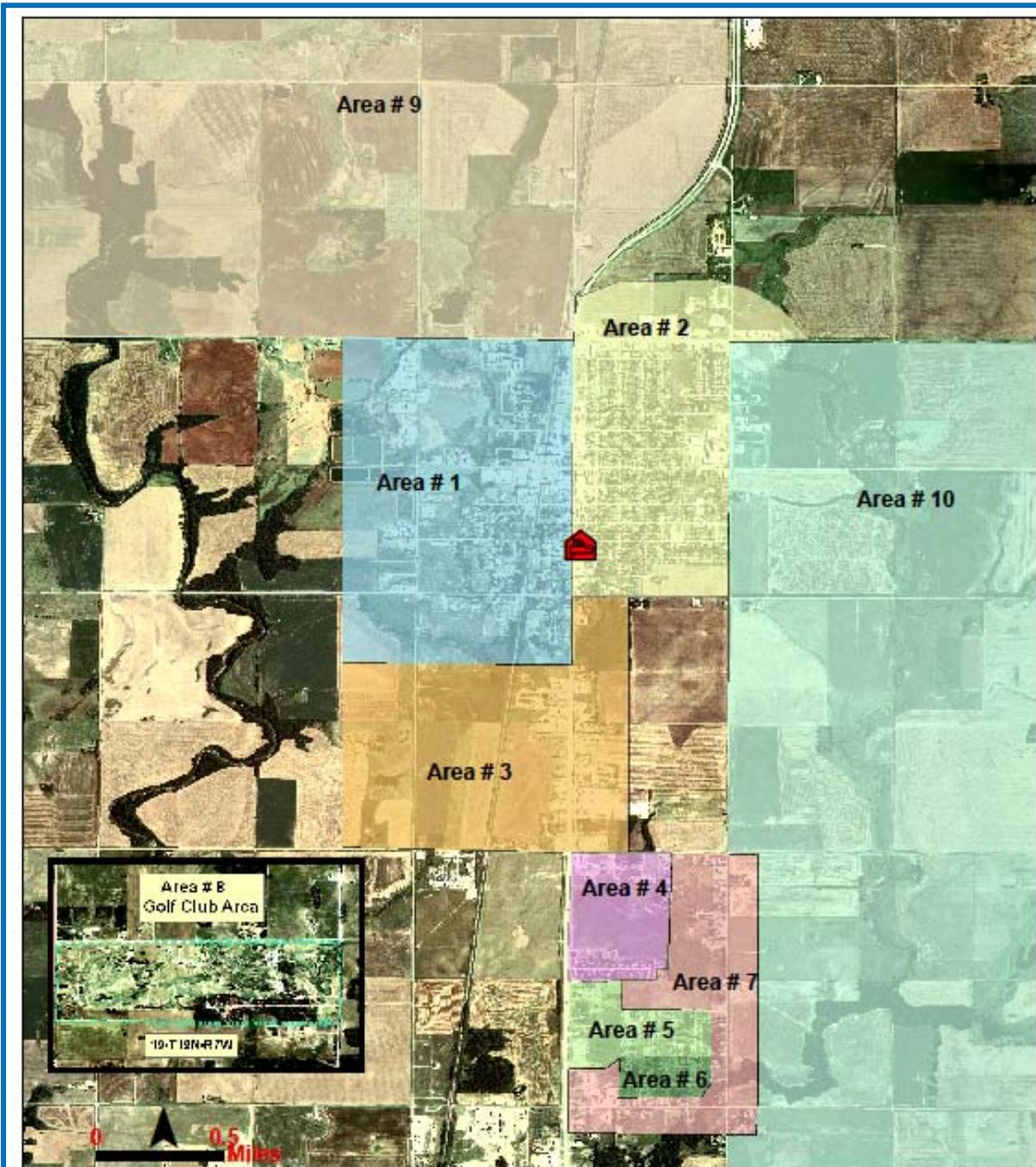
The dense woods and forestry along the Cimarron River and to the east of Hwy 132 can be a concern. Other parts of Area 9 are mainly farmland and acreages with occasional homes.

Dilapidated houses with cars around them are also issues that need to be dealt with.

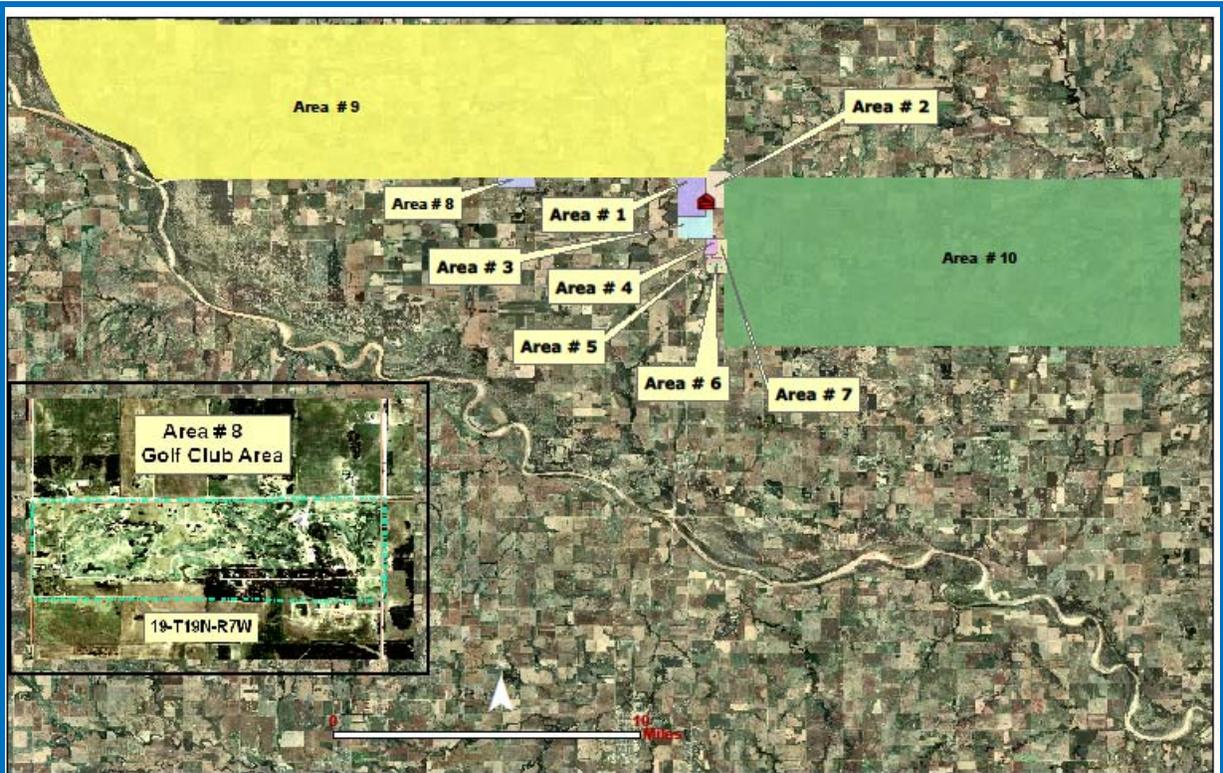
**Community Wildfire History: (include surrounding areas)**

- Relative Frequency: Hennessey FD had 70 calls in regards to grass or wildfires in 2009, 10 in 2010 and 40 in first 8 months of 2011.
- Common Causes: Common causes include U.S. Hwy 81 and Hwy 51 traffic/cigarettes; burning trash; agricultural equipment failure.
- Areas of Future Concern: Due to increase in residential properties west of Arapaho St. to Cemetery Rd. south of Highway 51 (including Red Bluff Addition and Osborn Acres), wildland urban interface should be carefully monitored.
- Additional Comments: Homeowners should work with adjacent landowners to establish and maintain defensible spaces around homes and buildings.

## 2) COMMUNITY BASE MAP AND OTHER VISUALS

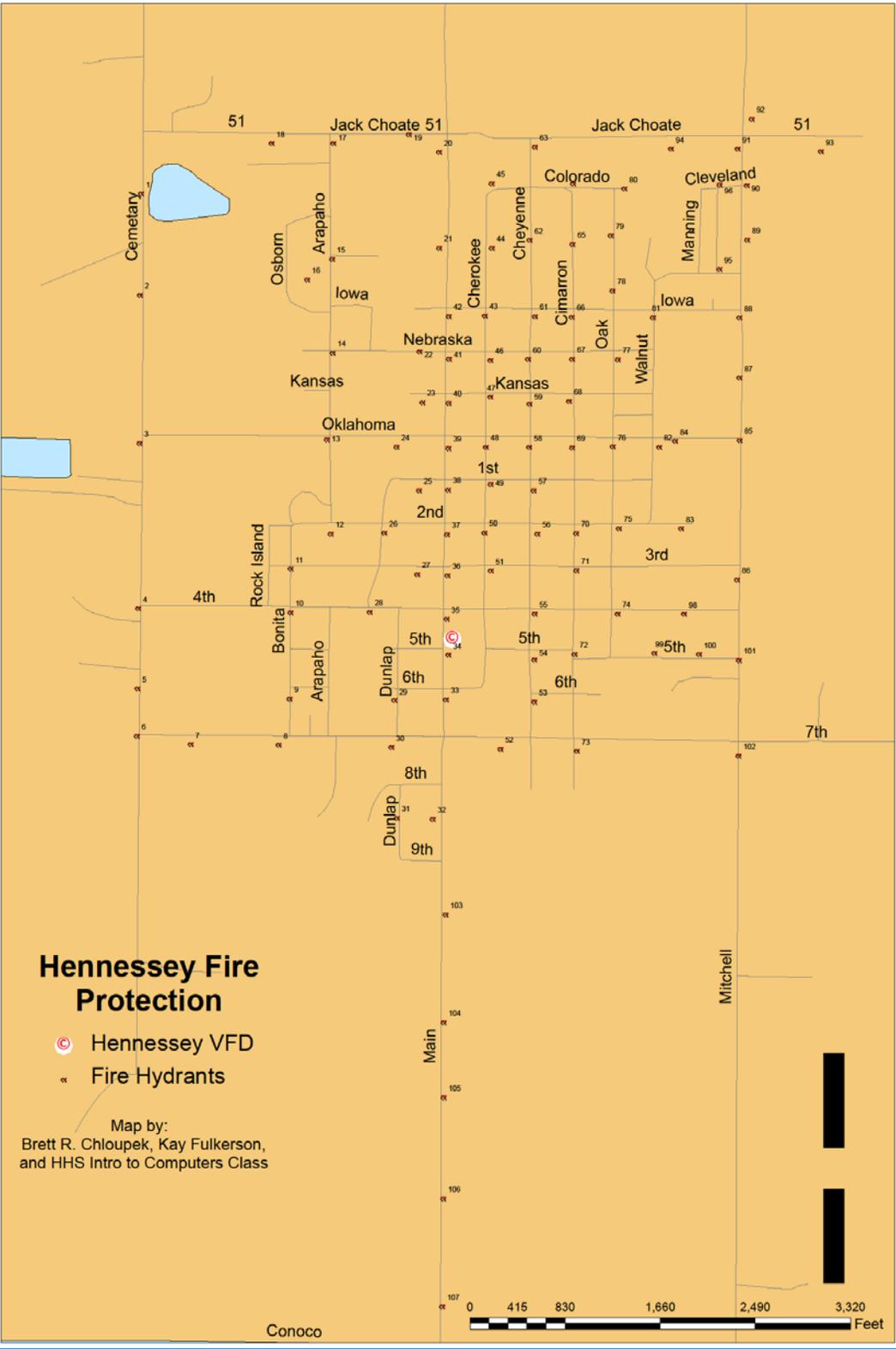


**Hennessey Firewise Assessment Areas**

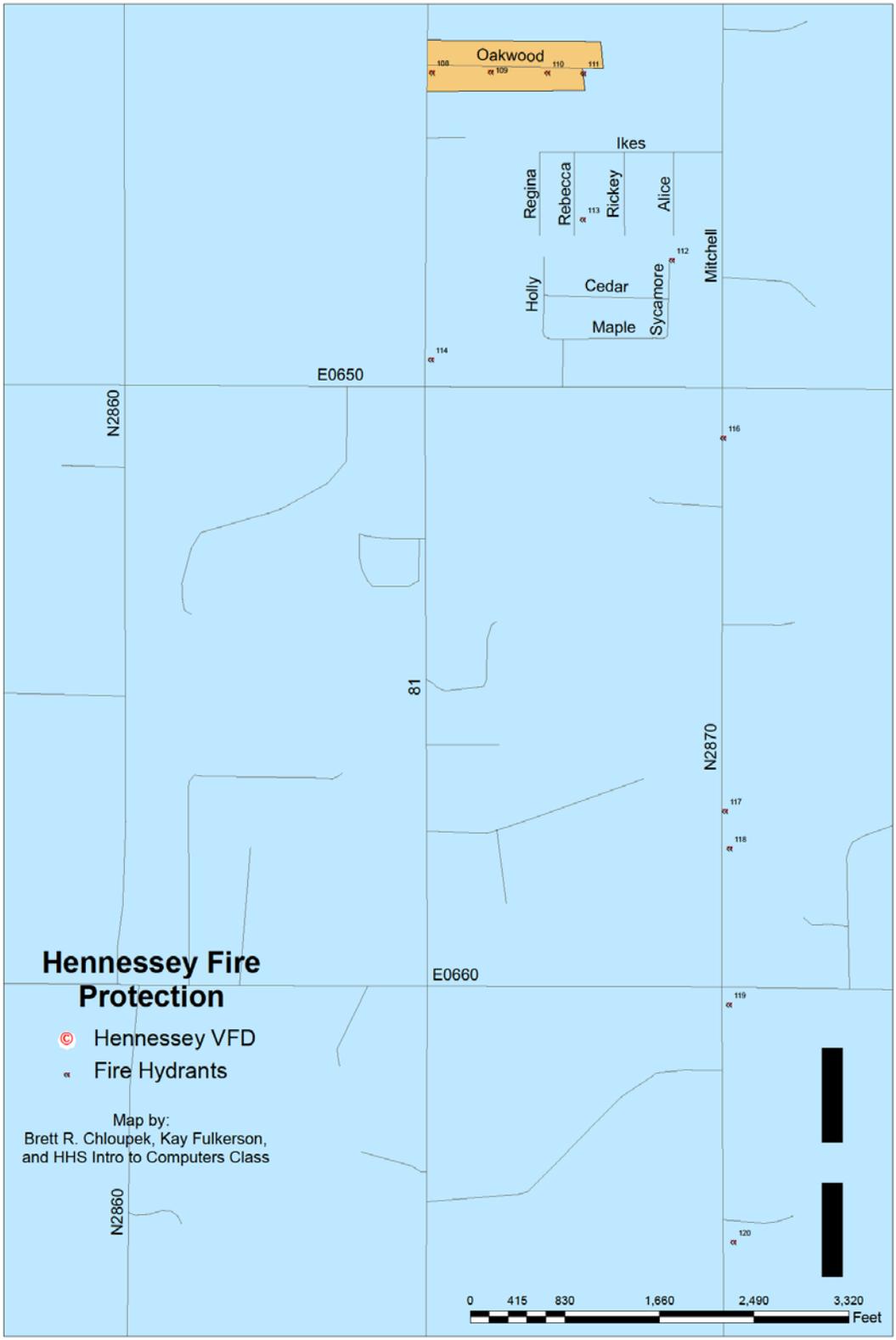


## Hennessey Firewise Assessment Areas

# Hennessey Fire Hydrants - North



# Hennessey Fire Hydrants - South



### 3) OBJECTIVES / GOALS

#### **Objectives:**

The objectives of this plan/report are to set clear priorities for the implementation of wildfire mitigation in the Town of Hennessey and the Hennessey Fire District. This includes prioritized recommendations for the Hennessey Fire District as a whole and also for individual homeowners where appropriate.

#### **Goals:**

The goals are fuel reduction and structure ignitability reduction that will protect the Hennessey Fire District and its essential infrastructure. It also includes a wildfire pre-suppression plan for the Town of Hennessey and the Hennessey Fire District that includes the following:

1. Public awareness and education about Firewise landscapes.
2. Establish safety zones around all homes.
3. Reduce vegetative fuel loads along roadways, railroads, and other ignitable areas.
4. Identification and reduction of areas with an increased level of risk due to excessive vegetation or debris.
5. Improve accessibility for emergency vehicles or to allow better egress in event of evacuation from properties with limited access.
6. 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 Hennessey Firewise Board Members 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:**

1. Clean-up of vacant lots located within Town limits.
2. Mow/maintain railroad right of way on west side of Town and highway right of ways in proximity of structures.
3. E-911 is in process of mapping and addressing Town.
4. Increase emphasis on fire department apparatus accessibility in driveways and alleys.
5. Continue annual clean up week.
6. Volunteers provide Firewise assessments to homeowners who request assessments.



### **Proposed Structural Ignitability Reduction Priorities:**

Actions to be taken by homeowners.

1. Encourage homeowners to remove brush and weeds from around structures.
2. Cut tree limbs overhanging homes and structures.
3. Develop a greater defensible space around residential structures.
4. Screen or enclose elevated decks and porches.
5. Removal of derelict cars and equipment that increase fire hazard and impedes accessibility of fire department.

### **Proposed Education and Outreach Priorities:**

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

1. Distribute Firewise informational brochures during Fire Prevention Week.
2. Place newspaper articles and radio messages anytime fire danger is high.
3. Conduct Firewise day during Kingfisher County Fair.
4. Offer residential Firewise inspections.

5. Publish quarterly Firewise newsletter.

## 5) ACTION PLAN

### Funding Needs:

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

1. Distribute Firewise informational brochures supplied by Oklahoma Forestry, no funds needed.
2. Firewise booth incorporated into annual fundraiser event, no funds needed.
3. Invite area forester to speak and distribute Firewise Brochures at school or other events. Firewise Brochures supplied by Oklahoma Forestry, no funds needed.
4. Produce and distribute quarterly Firewise newsletter, \$500 annually.
5. Incorporate new street signs to coincide with new county addressing for 911. Funding to be determined by county participation. Possible Firewise mitigation grants.
6. Provide Firewise assessments for local homeowners as requested; no funds needed.

### Timetables:

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

1. Distribute Firewise informational brochures supplied by Oklahoma Forestry to begin immediately.
2. Firewise booth incorporated into Kingfisher County Fair in August 2011.
3. Invite area forester to speak and distribute Firewise Brochures at school or other events. Firewise Brochures supplied by Oklahoma Forestry. October 2011.
4. Produce and distribute quarterly Firewise newsletter January 2012.
5. Incorporate new street signs to coincide with new county addressing for 911. Timetable to be determined by county 911 board.
6. Educate volunteers to conduct Firewise assessments. October 2011.

### Assessment:

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

1. Firewise board to monitor progress of brochure and newsletter distributions.
2. Number of Firewise articles and radio spots during the year.
3. Number of residential inspections requested and conducted.
4. Progress of Kingfisher County 911 board in implementation of new street signage.
5. Annual assessment of residential and community fire hazard improvements.

## 6) WILDFIRE PRE-SUPPRESSION PLAN

### A. Wildfire Protection Responsibility

Structural Protection: Hennessey Fire Department

Wildland Protection: Hennessey Fire Department, Dover FD, Kingfisher FD, Marshall FD, Okeene FD, and Waukomis FD task force teams

### B. Incident Command Post Location

Hennessey Fire Department, Hennessey, OK

### C. Incident Staging Area Location

Hennessey Fire Department, Hennessey, OK

### D. Medical Unit Staging Area Location

Hennessey Fire Department, Hennessey, OK

### E. Alarm Response

#### First Alarm

<u>Fire Dept./Rescue Squad</u>	<u>Travel Distance</u>	<u>Response Time</u>
Hennessey Fire Dept.	0	5-15 minutes

#### Second Alarm (report to designated staging area)

<u>Fire Dept./Rescue Squad</u>	<u>Travel Distance</u>	<u>Response Time</u>
Dover Fire Dept.	8 miles	15 minutes
Kingfisher Fire Dept.	18 miles	20 minutes
Marshall Fire Dept.	19 miles	20 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: Throughout town                      Description: Over 120 fire hydrants

Location: Rural areas                              Description: Irrigation wells

### H. Communications (Attach Communications Plan if available)

<u>Name</u>	<u>Phone Number</u>	<u>Radio Frequencies</u>
<b>Dispatch/Fire Departments</b>		
Hennessey FD	405-853-2202	154.845/155.760
Dover FD	405-828-4311	155.760/155.370
Kingfisher FD	405-375-4070	155.760

**Local Department of Forestry Office**

Dan Stidham                      405-237-4810                      State Fire 154.130

**Other**

Marshall FD                      580-935-6666                      State Fire 154.130

Okeene FD                      580-822-3035                      State Fire 154.130

Cell: 580-822-1616, Fire  
Chief Tim Burghardt

**I. Evacuation (Attach Evacuation Plan)**

State Highway 51 east and west, US Highway 81 north and south

**J. Resource List**

Name

Contact Information

**Support Agencies**

NODA Rural Fire Coordinator	Cecil Michael 580-237-4810
Kingfisher County Sheriff King. Co. Dist. 2	Dennis Banther 405-375-4242 Ray Shimanek, 405-853-1299
Life EMS	Non-emergency 405-853-6646; Emergency 911
Kingfisher EMS	Non-emergency 405-375-4070; Emergency 911

**Tractor Operators**

Kingfisher County Dist. 2	405-853-1299 (Ray Shimanek)
Town of Hennessey	405-853-5918 (Troy Watkins - Streets)
Town of Hennessey	405-853-1172 (Curtis Turner - Public Works)

**Crews**

Kingfisher County Dist. 2	405-853-1299
Union Pacific RR	888-877-7267

Name

Contact Information

Payment Information

**Utilities**

OG&E Emergency	405-553-3634
Cimarron Electric	888-857-8105
ONG	580-248-2200
Town of Hennessey	405-853-4444
Eagle Propane	405-853-5071

**Fuel**

Main Street Truck Stop	405-853-4528	Cash
C Stop	405-853-6599	Cash
Eagle Stop	405-853-2105	Cash

**Food and Supplies**

Red Cross, Central Okla. Chapter, 601 NE 6th Street, Oklahoma City, OK	405-228-9500	
Salvation Army	405-840-0735	
Ministerial Alliance	405-853-5071 (Jimmy Berkenbile)	
Sonic Drive In	405-853-7884	Cash
Loves-24 Hours	405-853-6636	Cash
Golden Chick	405-853-2445	Cash
Pizza Hut	405-853-7868	Cash
<b>Lodging</b>		
Hennessey Ministerial Alliance	405-853-5071	
Sawmill Inn	405-853-6232	Cash

## 7) ADDITIONAL COMMENTS

## 8) ATTACHMENTS (List here in order of attachment)

Wildfire Hazard Rating Explanation  
Area 1 Assessment  
Area 2 Assessment  
Area 3 Assessment  
Area 4 Assessment  
Area 5 Assessment  
Area 6 Assessment  
Area 7 Assessment  
Area 8 Assessment  
Area 9 Assessment  
Area 10 Assessment

**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 Assessment  
(Hwy 81 West to Cemetery Rd. and Hwy 51 South to Bullfoot Park)

Forestry Office: Enid  
Community: Hennessey County: Kingfisher  
Latitude: Longitude:  
Fire Department: Hennessey FD  
Date: 2010  
Acres: Lots: Yes Homes: Yes Future Homes:  
Business and Industrial Area:

**CALCULATING THE WILDFIRE HAZARD RATING**

<b>SUBDIVISION DESIGN HAZARD RATING</b>	<b>+ SITE HAZARD RATING</b>	<b>+ BUILDING CONSTRUCTION HAZARD RATING</b>	<b>+ ADDITIONAL FACTOR HAZARD RATING</b>	<b>= OVERALL WILDFIRE HAZARD RATING</b>
7	45	5	28	85

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

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

<b>SITE HAZARD RATING:</b> (within 30 feet of structure based on a majority of the properties in the community)	<b>Rating</b>	
<b>DRIVEWAY CHARACTERISTICS</b>		
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	
<b>DOMINANT TREES (within 100 ft of homes)</b>		
Deciduous	1	5
Mixed	5	
Evergreen	10	
<b>LADDER FUELS</b>		
Evergreen branches pruned up at least 6 ft	0	0
Evergreen branches close to ground	5	
<b>VEGETATION (predominant type throughout community)</b>		
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	
<b>SLOPE OF PROPERTY</b>		
Flat (0-5%)	0	0
Moderate (6-20%)	2	
Steep (over 20%)	4	
<b>DEFENSIBLE SPACE</b>		
No trees, shrubs or tall grass within 30 ft	0	20
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	
<b>TOTAL SITE HAZARD RATING</b>		<b>45</b>

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

<b>BUILDING CONSTRUCTION HAZARD RATING</b>	<b>Rating</b>	
<b>ROOFING MATERIALS</b>		
Greater than 75% of homes have metal, tile or Class A shingles	0	<b>0</b>
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	
<b>SIDING / SOFFETS</b>		
Greater than 75% of homes have fire resistant siding and soffits	0	<b>5</b>
50 to 75% of homes have fire resistant siding and soffits	5	
Less than 50% of homes have fire resistant siding and soffits	10	
<b>UNDERSKIRTING</b>		
Greater than 75% of homes have equivalent of fine mesh screening underneath	0	<b>0</b>
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	
<b>TOTAL BUILDING CONSTRUCTION HAZARD RATING</b>		<b>5</b>

<b>ADDITIONAL HAZARD FACTORS</b>	<b>Rating</b>	
<b>FIRE CONTROL WATER SUPPLY</b>		
Pressurized hydrants with minimum 500 gpm < 1,000 ft apart	0	<b>0</b>
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	
<b>UTILITIES</b>		
Both underground	0	<b>5</b>
One underground, one above ground	3	
Both above ground	5	
<b>SURROUNDING ENVIRONMENT</b>		
Community is not surrounded by any large natural landscapes	0	<b>10</b>
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	
<b>UNDEVELOPED LOTS</b>		
Less than 10% of lots have not been developed and pose no additional wildfire hazard due to lack of maintenance	0	<b>3</b>
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	
<b>RISK LOCATION</b>		
Community is located within the following designated Wildfire Risk Areas according to the Southern Wildfire Risk Assessment		
Low	0	<b>10</b>
Medium	10	
High	20	
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>		<b>28</b>

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



**Narrative:** Railroad area from 6<sup>th</sup> Street to 7<sup>th</sup> Street has piled dead brush and overgrown brush and trees on West side of tracks.

609 Bonita has overgrown trees and shrubs around old dilapidated house.

520 Bonita has round hay bales stacked on West side of lot with medium overgrown brush.

At 4<sup>th</sup> and Cemetery there is a new trailer park (Turkey Creek) with one entrance. It borders East side with trees and brush.

OG&E electrical substation on Cemetery Rd between 3<sup>rd</sup> and Cemetery Rd.

Two dilapidated houses surrounded by overgrown brush on corner of Bonita and 4<sup>th</sup> Street on West side of Bonita.

315 W. 3<sup>rd</sup> has dilapidated blue house with overgrown yard.

305 W. 3<sup>rd</sup> has dilapidated house surrounded by tall brush and trees.

Round hay bales stacked behind house on Bonita and 3<sup>rd</sup> on northwest corner. Directly behind this home and South of Joe Hickey's. The yard is piled full of junk and automobiles blocking entrance to home and lot.

Stenson Orr property has dilapidated trailer with old cars and junk on lot on Arapaho Street, between grain elevator and Nebraska Street

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



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



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 Assessment  
(7<sup>th</sup> Street North to Hwy 51, Hwy 81 East to Mitchell Rd.)

Forestry Office: Enid  
 Community: Hennessey County: Kingfisher  
 Latitude: Longitude:  
 Fire Department: Hennessey FD  
 Date: 2010  
 Acres: Lots: Yes Homes: Yes Future Homes:  
 Business and Industrial Area:

**CALCULATING THE WILDFIRE HAZARD RATING**

<b>SUBDIVISION DESIGN HAZARD RATING</b>	<b>+ SITE HAZARD RATING</b>	<b>+ BUILDING CONSTRUCTION HAZARD RATING</b>	<b>+ ADDITIONAL FACTOR HAZARD RATING</b>	<b>= OVERALL WILDFIRE HAZARD RATING</b>
4	15	5	18	42

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

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

<b>SITE HAZARD RATING:</b> (within 30 feet of structure based on a majority of the properties in the community)	<b>Rating</b>	
<b>DRIVEWAY CHARACTERISTICS</b>		
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	0
Address not clearly visible from road	5	
<b>DOMINANT TREES (within 100 ft of homes)</b>		
Deciduous	1	5
Mixed	5	
Evergreen	10	
<b>LADDER FUELS</b>		
Evergreen branches pruned up at least 6 ft	0	0
Evergreen branches close to ground	5	
<b>VEGETATION (predominant type throughout community)</b>		
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	
<b>SLOPE OF PROPERTY</b>		
Flat (0-5%)	0	0
Moderate (6-20%)	2	
Steep (over 20%)	4	
<b>DEFENSIBLE SPACE</b>		
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	
<b>TOTAL SITE HAZARD RATING</b>		<b>15</b>

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

<b>BUILDING CONSTRUCTION HAZARD RATING</b>	<b>Rating</b>	
<b>ROOFING MATERIALS</b>		
Greater than 75% of homes have metal, tile or Class A shingles	0	<b>0</b>
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	
<b>SIDING / SOFFETS</b>		
Greater than 75% of homes have fire resistant siding and soffits	0	<b>5</b>
50 to 75% of homes have fire resistant siding and soffits	5	
Less than 50% of homes have fire resistant siding and soffits	10	
<b>UNDERSKIRTING</b>		
Greater than 75% of homes have equivalent of fine mesh screening underneath	0	<b>0</b>
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	
<b>TOTAL BUILDING CONSTRUCTION HAZARD RATING</b>		<b>5</b>

<b>ADDITIONAL HAZARD FACTORS</b>	<b>Rating</b>	
<b>FIRE CONTROL WATER SUPPLY</b>		
Pressurized hydrants with minimum 500 gpm < 1,000 ft apart	0	<b>0</b>
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	
<b>UTILITIES</b>		
Both underground	0	<b>3</b>
One underground, one above ground	3	
Both above ground	5	
<b>SURROUNDING ENVIRONMENT</b>		
Community is not surrounded by any large natural landscapes	0	<b>5</b>
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	
<b>UNDEVELOPED LOTS</b>		
Less than 10% of lots have not been developed and pose no additional wildfire hazard due to lack of maintenance	0	<b>0</b>
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	
<b>RISK LOCATION</b>		
Community is located within the following designated Wildfire Risk Areas according to the Southern Wildfire Risk Assessment		
Low	0	<b>10</b>
Medium	10	
High	20	
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>		<b>18</b>

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



**Narrative:** Scattered manufactured homes – Trailer Park bordering the South boundary. Mainly older mason siding homes and a few brick homes. Most homes have asphalt and tile shingles.  
Large dilapidated home on corner of 1<sup>st</sup> and Cheyenne.  
301 Nebraska has brush and trash behind house.  
Laddie Fuksa house has overgrown weeds and large growth in yard.  
Roy Johnson's house at 501 S. Oak and the house located at 504 Manning has shake roofs.  
School and football field on Mitchell Rd. School bus barn with gas and diesel pumps on East side of Mitchell Rd.  
School building on right side of Mitchell Rd.  
Overgrown brush area between school administration building and Church of Nazarene.  
Two old dilapidated houses on corner of Oak and Oklahoma on north side of Oklahoma Street.  
Corner of 4<sup>th</sup> and Cheyenne on west side of Cheyenne home is surrounded by brush and trees.

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



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 Assessment  
(Bullfoot Park south to City limits and East & West side of Hwy 81)

Forestry Office: Enid

Community: Hennessey                      County: Kingfisher  
 Latitude:                                      Longitude:  
 Fire Department: Hennessey FD  
 Date: 2010  
 Acres:                      Lots:                      Homes:                      Future Homes:  
 Business and Industrial Area: Yes

**CALCULATING THE WILDFIRE HAZARD RATING**

<b>SUBDIVISION DESIGN HAZARD RATING</b>	<b>+ SITE HAZARD RATING</b>	<b>+ BUILDING CONSTRUCTION HAZARD RATING</b>	<b>+ ADDITIONAL FACTOR HAZARD RATING</b>	<b>= OVERALL WILDFIRE HAZARD RATING</b>
0	11	0	20	31

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

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

<b>SITE HAZARD RATING:</b> (within 30 feet of structure based on a majority of the properties in the community)	<b>Rating</b>	
<b>DRIVEWAY CHARACTERISTICS</b>		
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	5
Locked gate	5	
Address clearly visible from road	0	0
Address not clearly visible from road	5	
<b>DOMINANT TREES (within 100 ft of homes)</b>		
Deciduous	1	1
Mixed	5	
Evergreen	10	
<b>LADDER FUELS</b>		
Evergreen branches pruned up at least 6 ft	0	0
Evergreen branches close to ground	5	
<b>VEGETATION (predominant type throughout community)</b>		
Light (e.g. grasses and forbs) NFDRS Fuels Models A, C, L, N, S and T	5	5
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	
<b>SLOPE OF PROPERTY</b>		
Flat (0-5%)	0	0
Moderate (6-20%)	2	
Steep (over 20%)	4	
<b>DEFENSIBLE SPACE</b>		
No trees, shrubs or tall grass within 30 ft	0	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	0
Unthinned or unmanaged timber within 100 ft	5	
<b>TOTAL SITE HAZARD RATING</b>		<b>11</b>

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

<b>BUILDING CONSTRUCTION HAZARD RATING</b>	<b>Rating</b>	
<b>ROOFING MATERIALS</b>		
Greater than 75% of homes have metal, tile or Class A shingles	0	<b>0</b>
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	
<b>SIDING / SOFFETS</b>		
Greater than 75% of homes have fire resistant siding and soffits	0	<b>0</b>
50 to 75% of homes have fire resistant siding and soffits	5	
Less than 50% of homes have fire resistant siding and soffits	10	
<b>UNDERSKIRTING</b>		
Greater than 75% of homes have equivalent of fine mesh screening underneath	0	<b>0</b>
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	
<b>TOTAL BUILDING CONSTRUCTION HAZARD RATING</b>		<b>0</b>

<b>ADDITIONAL HAZARD FACTORS</b>	<b>Rating</b>	
<b>FIRE CONTROL WATER SUPPLY</b>		
Pressurized hydrants with minimum 500 gpm < 1,000 ft apart	0	<b>2</b>
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	
<b>UTILITIES</b>		
Both underground	0	<b>3</b>
One underground, one above ground	3	
Both above ground	5	
<b>SURROUNDING ENVIRONMENT</b>		
Community is not surrounded by any large natural landscapes	0	<b>5</b>
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	
<b>UNDEVELOPED LOTS</b>		
Less than 10% of lots have not been developed and pose no additional wildfire hazard due to lack of maintenance	0	<b>0</b>
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	
<b>RISK LOCATION</b>		
Community is located within the following designated Wildfire Risk Areas according to the Southern Wildfire Risk Assessment		
Low	0	<b>10</b>
Medium	10	
High	20	
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>		<b>20</b>

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



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 4 Assessment  
(North of Oakwood Dr. to City limit road and  
East to west side of Junior Paine's property)

Forestry Office: Enid

Community: Hennessey County: Kingfisher

Latitude: Longitude:

Fire Department: Hennessey FD

Date: 2010

Acres: Lots: Yes Homes: Yes Future Homes: Yes

Business and Industrial Area:

**CALCULATING THE WILDFIRE HAZARD RATING**

<b>SUBDIVISION DESIGN HAZARD RATING</b>	<b>+ SITE HAZARD RATING</b>	<b>+ BUILDING CONSTRUCTION HAZARD RATING</b>	<b>+ ADDITIONAL FACTOR HAZARD RATING</b>	<b>= OVERALL WILDFIRE HAZARD RATING</b>
13	25	0	25	63

<b>SUBDIVISION DESIGN RATING</b>	<b>Rating</b>	
<b>ACCESS</b>		
Two or more roads	0	7
One road, plus alternative	3	
One road in/out	7	
<b>SUBDIVISION BRIDGES</b>		
No bridges or bridges with no weight and or width restrictions	0	0
Low weight or narrow bridges restricting emergency access	5	
<b>PRIMARY ROAD WIDTHS</b>		
>24 ft	0	2
>20 ft and <24 ft	2	
<20 ft	4	
<b>ACCESSIBILITY</b>		
Surfaced road, grade <5%	0	0
Surfaced road, grade >5%	2	
Non-surfaced road, grade <5%	2	
Non-surfaced road, grade >5%	5	
Other than all-season road	7	
<b>SECONDARY ROAD TERMINUS</b>		
<300 ft with turnaround	0	4
>300 ft with turnaround	2	
<300 ft without turnaround	4	
>300 ft without turnaround	5	
<b>UNSAFE ROADWAY</b>		
No flammable vegetation threat	0	0
Highly flammable vegetation along road	5	
<b>STREET SIGNS</b>		
Present 4 inches in size and reflective	0	0
Not present	5	
<b>TOTAL SUBDIVISION DESIGN</b>		<b>13</b>

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

<b>SITE HAZARD RATING:</b> (within 30 feet of structure based on a majority of the properties in the community)	<b>Rating</b>	
<b>DRIVEWAY CHARACTERISTICS</b>		
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	0
Address not clearly visible from road	5	
<b>DOMINANT TREES (within 100 ft of homes)</b>		
Deciduous	1	5
Mixed	5	
Evergreen	10	
<b>LADDER FUELS</b>		
Evergreen branches pruned up at least 6 ft	0	0
Evergreen branches close to ground	5	
<b>VEGETATION (predominant type throughout community)</b>		
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	
<b>SLOPE OF PROPERTY</b>		
Flat (0-5%)	0	0
Moderate (6-20%)	2	
Steep (over 20%)	4	
<b>DEFENSIBLE SPACE</b>		
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	
<b>TOTAL SITE HAZARD RATING</b>		<b>25</b>

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

<b>BUILDING CONSTRUCTION HAZARD RATING</b>	<b>Rating</b>	
<b>ROOFING MATERIALS</b>		
Greater than 75% of homes have metal, tile or Class A shingles	0	<b>0</b>
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	
<b>SIDING / SOFFETS</b>		
Greater than 75% of homes have fire resistant siding and soffits	0	<b>0</b>
50 to 75% of homes have fire resistant siding and soffits	5	
Less than 50% of homes have fire resistant siding and soffits	10	
<b>UNDERSKIRTING</b>		
Greater than 75% of homes have equivalent of fine mesh screening underneath	0	<b>0</b>
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	
<b>TOTAL BUILDING CONSTRUCTION HAZARD RATING</b>		<b>0</b>

<b>ADDITIONAL HAZARD FACTORS</b>	<b>Rating</b>	
<b>FIRE CONTROL WATER SUPPLY</b>		
Pressurized hydrants with minimum 500 gpm < 1,000 ft apart	0	<b>7</b>
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	
<b>UTILITIES</b>		
Both underground	0	<b>3</b>
One underground, one above ground	3	
Both above ground	5	
<b>SURROUNDING ENVIRONMENT</b>		
Community is not surrounded by any large natural landscapes	0	<b>5</b>
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	
<b>UNDEVELOPED LOTS</b>		
Less than 10% of lots have not been developed and pose no additional wildfire hazard due to lack of maintenance	0	<b>0</b>
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	
<b>RISK LOCATION</b>		
Community is located within the following designated Wildfire Risk Areas according to the Southern Wildfire Risk Assessment		
Low	0	<b>10</b>
Medium	10	
High	20	
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>		<b>25</b>

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



**Narrative:** Numerous developments with one road in and out and some with difficult turnarounds on North side of City limit road.  
The Brezenger house and next door has shake shingles, and the Curran house has shake shingles.  
Natural landscape and pasture in center of section.

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 5 Assessment  
(Ikes Acres west to Hwy 81)

Forestry Office: Enid

Community: Hennessey                      County: Kingfisher  
 Latitude:    Longitude:  
 Fire Department: Hennessey FD  
 Date: 2010  
 Acres:                      Lots:                      Homes:                      Future Homes:  
 Business and Industrial Area:                      Manufactured Homes: Yes

**CALCULATING THE WILDFIRE HAZARD RATING**

<b>SUBDIVISION DESIGN HAZARD RATING</b>	<b>+ SITE HAZARD RATING</b>	<b>+ BUILDING CONSTRUCTION HAZARD RATING</b>	<b>+ ADDITIONAL FACTOR HAZARD RATING</b>	<b>= OVERALL WILDFIRE HAZARD RATING</b>
16	55	10	20	101

<b>SUBDIVISION DESIGN RATING</b>	<b>Rating</b>	
<b>ACCESS</b>		
Two or more roads	0	7
One road, plus alternative	3	
One road in/out	7	
<b>SUBDIVISION BRIDGES</b>		
No bridges or bridges with no weight and or width restrictions	0	0
Low weight or narrow bridges restricting emergency access	5	
<b>PRIMARY ROAD WIDTHS</b>		
>24 ft	0	2
>20 ft and <24 ft	2	
<20 ft	4	
<b>ACCESSIBILITY</b>		
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	
<b>SECONDARY ROAD TERMINUS</b>		
<300 ft with turnaround	0	5
>300 ft with turnaround	2	
<300 ft without turnaround	4	
>300 ft without turnaround	5	
<b>UNSAFE ROADWAY</b>		
No flammable vegetation threat	0	0
Highly flammable vegetation along road	5	
<b>STREET SIGNS</b>		
Present 4 inches in size and reflective	0	0
Not present	5	
<b>TOTAL SUBDIVISION DESIGN</b>		<b>16</b>

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

<b>SITE HAZARD RATING:</b> (within 30 feet of structure based on a majority of the properties in the community)	<b>Rating</b>	
<b>DRIVEWAY CHARACTERISTICS</b>		
Less than 150 ft long	0	<b>0</b>
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	<b>0</b>
Average driveway width less than 12 ft	5	
No obstructing overhead branches below 15 ft	0	<b>5</b>
Obstructing overhead branches below 15 ft	5	
No bridges or bridges with no weight and or width restrictions	0	<b>0</b>
Bridges restricting emergency vehicle access	5	
Slopes level or less than 10%	0	<b>0</b>
Slopes over 10%	5	
No gate/non-locking gate	0	<b>0</b>
Locked gate	5	
Address clearly visible from road	0	<b>5</b>
Address not clearly visible from road	5	
<b>DOMINANT TREES (within 100 ft of homes)</b>		
Deciduous	1	<b>5</b>
Mixed	5	
Evergreen	10	
<b>LADDER FUELS</b>		
Evergreen branches pruned up at least 6 ft	0	<b>5</b>
Evergreen branches close to ground	5	
<b>VEGETATION (predominant type throughout community)</b>		
Light (e.g. grasses and forbs) NFDRS Fuels Models A, C, L, N, S and T	5	<b>10</b>
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	
<b>SLOPE OF PROPERTY</b>		
Flat (0-5%)	0	<b>0</b>
Moderate (6-20%)	2	
Steep (over 20%)	4	
<b>DEFENSIBLE SPACE</b>		
No trees, shrubs or tall grass within 30 ft	0	<b>20</b>
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	<b>5</b>
Unthinned or unmanaged timber within 100 ft	5	
<b>TOTAL SITE HAZARD RATING</b>		<b>55</b>

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

<b>BUILDING CONSTRUCTION HAZARD RATING</b>	<b>Rating</b>	
<b>ROOFING MATERIALS</b>		
Greater than 75% of homes have metal, tile or Class A shingles	0	<b>0</b>
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	
<b>SIDING / SOFFETS</b>		
Greater than 75% of homes have fire resistant siding and soffits	0	<b>10</b>
50 to 75% of homes have fire resistant siding and soffits	5	
Less than 50% of homes have fire resistant siding and soffits	10	
<b>UNDERSKIRTING</b>		
Greater than 75% of homes have equivalent of fine mesh screening underneath	0	<b>0</b>
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	
<b>TOTAL BUILDING CONSTRUCTION HAZARD RATING</b>		<b>10</b>

<b>ADDITIONAL HAZARD FACTORS</b>	<b>Rating</b>	
<b>FIRE CONTROL WATER SUPPLY</b>		
Pressurized hydrants with minimum 500 gpm < 1,000 ft apart	0	<b>7</b>
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	
<b>UTILITIES</b>		
Both underground	0	<b>3</b>
One underground, one above ground	3	
Both above ground	5	
<b>SURROUNDING ENVIRONMENT</b>		
Community is not surrounded by any large natural landscapes	0	<b>0</b>
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	
<b>UNDEVELOPED LOTS</b>		
Less than 10% of lots have not been developed and pose no additional wildfire hazard due to lack of maintenance	0	<b>0</b>
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	
<b>RISK LOCATION</b>		
Community is located within the following designated Wildfire Risk Areas according to the Southern Wildfire Risk Assessment		
Low	0	<b>10</b>
Medium	10	
High	20	
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>		<b>20</b>

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



**Narrative:** Main road leading into division is paved. Some lots have overgrowth touching the homes and ran down structures. Difficult access for fire trucks and little or no turn around.

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 6 Assessment  
(Miller Heights)

Forestry Office: Enid

Community: Hennessey                      County: Kingfisher

Latitude:    Longitude:

Fire Department: Hennessey FD

Date: 2010

Acres:                      Lots:                      Homes: Yes      Future Homes:

Business and Industrial Area:

**CALCULATING THE WILDFIRE HAZARD RATING**

<b>SUBDIVISION DESIGN HAZARD RATING</b>	<b>+ SITE HAZARD RATING</b>	<b>+ BUILDING CONSTRUCTION HAZARD RATING</b>	<b>+ ADDITIONAL FACTOR HAZARD RATING</b>	<b>= OVERALL WILDFIRE HAZARD RATING</b>
9	20	0	20	49

<b>SUBDIVISION DESIGN RATING</b>	<b>Rating</b>	
<b>ACCESS</b>		
Two or more roads	0	7
One road, plus alternative	3	
One road in/out	7	
<b>SUBDIVISION BRIDGES</b>		
No bridges or bridges with no weight and or width restrictions	0	0
Low weight or narrow bridges restricting emergency access	5	
<b>PRIMARY ROAD WIDTHS</b>		
>24 ft	0	2
>20 ft and <24 ft	2	
<20 ft	4	
<b>ACCESSIBILITY</b>		
Surfaced road, grade <5%	0	0
Surfaced road, grade >5%	2	
Non-surfaced road, grade <5%	2	
Non-surfaced road, grade >5%	5	
Other than all-season road	7	
<b>SECONDARY ROAD TERMINUS</b>		
<300 ft with turnaround	0	0
>300 ft with turnaround	2	
<300 ft without turnaround	4	
>300 ft without turnaround	5	
<b>UNSAFE ROADWAY</b>		
No flammable vegetation threat	0	0
Highly flammable vegetation along road	5	
<b>STREET SIGNS</b>		
Present 4 inches in size and reflective	0	0
Not present	5	
<b>TOTAL SUBDIVISION DESIGN</b>		<b>9</b>

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

<b>SITE HAZARD RATING:</b> (within 30 feet of structure based on a majority of the properties in the community)	<b>Rating</b>	
<b>DRIVEWAY CHARACTERISTICS</b>		
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	0
Address not clearly visible from road	5	
<b>DOMINANT TREES (within 100 ft of homes)</b>		
Deciduous	1	5
Mixed	5	
Evergreen	10	
<b>LADDER FUELS</b>		
Evergreen branches pruned up at least 6 ft	0	0
Evergreen branches close to ground	5	
<b>VEGETATION (predominant type throughout community)</b>		
Light (e.g. grasses and forbs) NFDRS Fuels Models A, C, L, N, S and T	5	5
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	
<b>SLOPE OF PROPERTY</b>		
Flat (0-5%)	0	0
Moderate (6-20%)	2	
Steep (over 20%)	4	
<b>DEFENSIBLE SPACE</b>		
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	
<b>TOTAL SITE HAZARD RATING</b>		<b>20</b>

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

<b>BUILDING CONSTRUCTION HAZARD RATING</b>	<b>Rating</b>	
<b>ROOFING MATERIALS</b>		
Greater than 75% of homes have metal, tile or Class A shingles	0	<b>0</b>
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	
<b>SIDING / SOFFETS</b>		
Greater than 75% of homes have fire resistant siding and soffits	0	<b>0</b>
50 to 75% of homes have fire resistant siding and soffits	5	
Less than 50% of homes have fire resistant siding and soffits	10	
<b>UNDERSKIRTING</b>		
Greater than 75% of homes have equivalent of fine mesh screening underneath	0	<b>0</b>
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	
<b>TOTAL BUILDING CONSTRUCTION HAZARD RATING</b>		<b>0</b>

<b>ADDITIONAL HAZARD FACTORS</b>	<b>Rating</b>	
<b>FIRE CONTROL WATER SUPPLY</b>		
Pressurized hydrants with minimum 500 gpm < 1,000 ft apart	0	<b>7</b>
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	
<b>UTILITIES</b>		
Both underground	0	<b>3</b>
One underground, one above ground	3	
Both above ground	5	
<b>SURROUNDING ENVIRONMENT</b>		
Community is not surrounded by any large natural landscapes	0	<b>0</b>
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	
<b>UNDEVELOPED LOTS</b>		
Less than 10% of lots have not been developed and pose no additional wildfire hazard due to lack of maintenance	0	<b>0</b>
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	
<b>RISK LOCATION</b>		
Community is located within the following designated Wildfire Risk Areas according to the Southern Wildfire Risk Assessment		
Low	0	<b>10</b>
Medium	10	
High	20	
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>		<b>20</b>

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



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 7 Assessment  
(Junior Paine's property East to Laudermilk's, South to Willis, West to Whittenburg, North to Key Oilfield)

Forestry Office: Enid

Community: Hennessey County: Kingfisher

Latitude: Longitude:

Fire Department: Hennessey FD

Date: 2010

Acres: Lots: Homes: Future Homes:

Business and Industrial Area:

**CALCULATING THE WILDFIRE HAZARD RATING**

<b>SUBDIVISION DESIGN HAZARD RATING</b>	<b>+ SITE HAZARD RATING</b>	<b>+ BUILDING CONSTRUCTION HAZARD RATING</b>	<b>+ ADDITIONAL FACTOR HAZARD RATING</b>	<b>= OVERALL WILDFIRE HAZARD RATING</b>
5	35	0	25	65

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

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

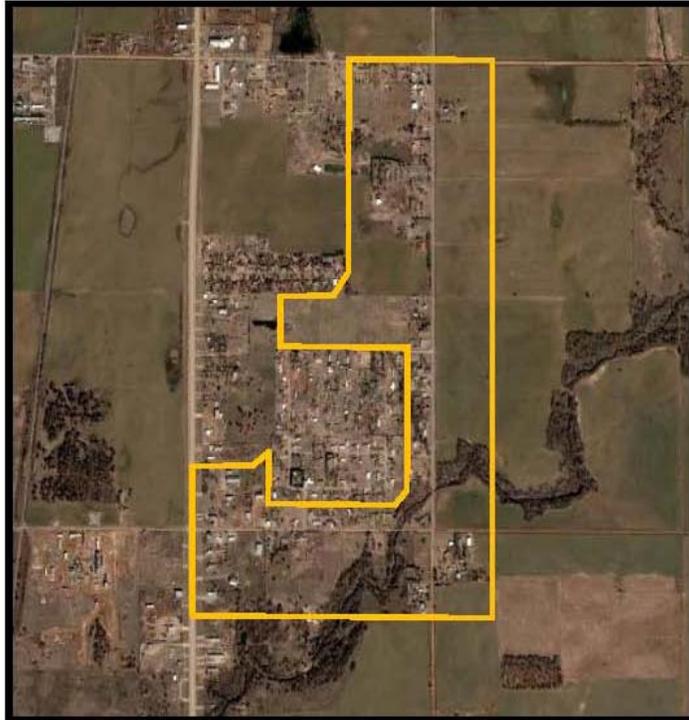
<b>SITE HAZARD RATING:</b> (within 30 feet of structure based on a majority of the properties in the community)	<b>Rating</b>	
<b>DRIVEWAY CHARACTERISTICS</b>		
Less than 150 ft long	0	0
More than 150 ft long with minimum 45 ft outside radius turnaround	3	
More than 150 ft with inadequate turnaround	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	
<b>DOMINANT TREES (within 100 ft of homes)</b>		
Deciduous	1	5
Mixed	5	
Evergreen	10	
<b>LADDER FUELS</b>		
Evergreen branches pruned up at least 6 ft	0	5
Evergreen branches close to ground	5	
<b>VEGETATION (predominant type throughout community)</b>		
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	
<b>SLOPE OF PROPERTY</b>		
Flat (0-5%)	0	0
Moderate (6-20%)	2	
Steep (over 20%)	4	
<b>DEFENSIBLE SPACE</b>		
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	
<b>TOTAL SITE HAZARD RATING</b>		<b>35</b>

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

<b>BUILDING CONSTRUCTION HAZARD RATING</b>	<b>Rating</b>	
<b>ROOFING MATERIALS</b>		
Greater than 75% of homes have metal, tile or Class A shingles	0	<b>0</b>
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	
<b>SIDING / SOFFETS</b>		
Greater than 75% of homes have fire resistant siding and soffits	0	<b>0</b>
50 to 75% of homes have fire resistant siding and soffits	5	
Less than 50% of homes have fire resistant siding and soffits	10	
<b>UNDERSKIRTING</b>		
Greater than 75% of homes have equivalent of fine mesh screening underneath	0	<b>0</b>
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	
<b>TOTAL BUILDING CONSTRUCTION HAZARD RATING</b>		<b>0</b>

<b>ADDITIONAL HAZARD FACTORS</b>	<b>Rating</b>	
<b>FIRE CONTROL WATER SUPPLY</b>		
Pressurized hydrants with minimum 500 gpm < 1,000 ft apart	0	<b>7</b>
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	
<b>UTILITIES</b>		
Both underground	0	<b>3</b>
One underground, one above ground	3	
Both above ground	5	
<b>SURROUNDING ENVIRONMENT</b>		
Community is not surrounded by any large natural landscapes	0	<b>5</b>
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	
<b>UNDEVELOPED LOTS</b>		
Less than 10% of lots have not been developed and pose no additional wildfire hazard due to lack of maintenance	0	<b>0</b>
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	
<b>RISK LOCATION</b>		
Community is located within the following designated Wildfire Risk Areas according to the Southern Wildfire Risk Assessment		
Low	0	<b>10</b>
Medium	10	
High	20	
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>		<b>25</b>

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



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 8 Assessment  
(Country Club – Golf Course area)

Forestry Office: Enid

Community: Hennessey County: Kingfisher

Latitude: Longitude:

Fire Department: Hennessey FD

Date: 2010

Acres: Lots: Yes Homes: Yes Future Homes: Yes

Business and Industrial Area:

**CALCULATING THE WILDFIRE HAZARD RATING**

<b>SUBDIVISION DESIGN HAZARD RATING</b>	<b>+ SITE HAZARD RATING</b>	<b>+ BUILDING CONSTRUCTION HAZARD RATING</b>	<b>+ ADDITIONAL FACTOR HAZARD RATING</b>	<b>= OVERALL WILDFIRE HAZARD RATING</b>
19	55	10	20	104

<b>SUBDIVISION DESIGN RATING</b>	<b>Rating</b>	
<b>ACCESS</b>		
Two or more roads	0	7
One road, plus alternative	3	
One road in/out	7	
<b>SUBDIVISION BRIDGES</b>		
No bridges or bridges with no weight and or width restrictions	0	0
Low weight or narrow bridges restricting emergency access	5	
<b>PRIMARY ROAD WIDTHS</b>		
>24 ft	0	2
>20 ft and <24 ft	2	
<20 ft	4	
<b>ACCESSIBILITY</b>		
Surfaced road, grade <5%	0	0
Surfaced road, grade >5%	2	
Non-surfaced road, grade <5%	2	
Non-surfaced road, grade >5%	5	
Other than all-season road	7	
<b>SECONDARY ROAD TERMINUS</b>		
<300 ft with turnaround	0	0
>300 ft with turnaround	2	
<300 ft without turnaround	4	
>300 ft without turnaround	5	
<b>UNSAFE ROADWAY</b>		
No flammable vegetation threat	0	5
Highly flammable vegetation along road	5	
<b>STREET SIGNS</b>		
Present 4 inches in size and reflective	0	5
Not present	5	
<b>TOTAL SUBDIVISION DESIGN</b>	<b>19</b>	

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

<b>SITE HAZARD RATING:</b> (within 30 feet of structure based on a majority of the properties in the community)	<b>Rating</b>	
<b>DRIVEWAY CHARACTERISTICS</b>		
Less than 150 ft long	0	<b>0</b>
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	<b>0</b>
Average driveway width less than 12 ft	5	
No obstructing overhead branches below 15 ft	0	<b>5</b>
Obstructing overhead branches below 15 ft	5	
No bridges or bridges with no weight and or width restrictions	0	<b>0</b>
Bridges restricting emergency vehicle access	5	
Slopes level or less than 10%	0	<b>0</b>
Slopes over 10%	5	
No gate/non-locking gate	0	<b>0</b>
Locked gate	5	
Address clearly visible from road	0	<b>5</b>
Address not clearly visible from road	5	
<b>DOMINANT TREES (within 100 ft of homes)</b>		
Deciduous	1	<b>5</b>
Mixed	5	
Evergreen	10	
<b>LADDER FUELS</b>		
Evergreen branches pruned up at least 6 ft	0	<b>5</b>
Evergreen branches close to ground	5	
<b>VEGETATION (predominant type throughout community)</b>		
Light (e.g. grasses and forbs) NFDRS Fuels Models A, C, L, N, S and T	5	<b>10</b>
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	
<b>SLOPE OF PROPERTY</b>		
Flat (0-5%)	0	<b>0</b>
Moderate (6-20%)	2	
Steep (over 20%)	4	
<b>DEFENSIBLE SPACE</b>		
No trees, shrubs or tall grass within 30 ft	0	<b>20</b>
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	<b>5</b>
Unthinned or unmanaged timber within 100 ft	5	
<b>TOTAL SITE HAZARD RATING</b>		<b>55</b>

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

<b>BUILDING CONSTRUCTION HAZARD RATING</b>		<b>Rating</b>	
<b>ROOFING MATERIALS</b>			
Greater than 75% of homes have metal, tile or Class A shingles	0	<b>10</b>	
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		
<b>SIDING / SOFFETS</b>			
Greater than 75% of homes have fire resistant siding and soffits	0	<b>0</b>	
50 to 75% of homes have fire resistant siding and soffits	5		
Less than 50% of homes have fire resistant siding and soffits	10		
<b>UNDERSKIRTING</b>			
Greater than 75% of homes have equivalent of fine mesh screening underneath	0	<b>0</b>	
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		
<b>TOTAL BUILDING CONSTRUCTION HAZARD RATING</b>		<b>10</b>	

<b>ADDITIONAL HAZARD FACTORS</b>		<b>Rating</b>	
<b>FIRE CONTROL WATER SUPPLY</b>			
Pressurized hydrants with minimum 500 gpm < 1,000 ft apart	0	<b>7</b>	
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		
<b>UTILITIES</b>			
Both underground	0	<b>0</b>	
One underground, one above ground	3		
Both above ground	5		
<b>SURROUNDING ENVIRONMENT</b>			
Community is not surrounded by any large natural landscapes	0	<b>0</b>	
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		
<b>UNDEVELOPED LOTS</b>			
Less than 10% of lots have not been developed and pose no additional wildfire hazard due to lack of maintenance	0	<b>3</b>	
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		
<b>RISK LOCATION</b>			
Community is located within the following designated Wildfire Risk Areas according to the Southern Wildfire Risk Assessment			
Low	0	<b>10</b>	
Medium	10		
High	20		
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>		<b>20</b>	

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



**Narrative:** Primarily homes and lots along golf course. Two homes have shake roofs. Some homes are surrounded by trees and tall brush. Lots of trees and tall brush between homes.

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 9 Assessment  
(North of Hwy 51 to Bison blacktop and West to County line)

Forestry Office: Enid

Community: Hennessey                      County: Kingfisher  
Latitude:    Longitude:  
Fire Department: Hennessey FD  
Date: 2010  
Acres: Yes    Lots:                      Homes:                      Future Homes:  
Business and Industrial Area:

**CALCULATING THE WILDFIRE HAZARD RATING**

<b>SUBDIVISION DESIGN HAZARD RATING</b>	<b>+ SITE HAZARD RATING</b>	<b>+ BUILDING CONSTRUCTION HAZARD RATING</b>	<b>+ ADDITIONAL FACTOR HAZARD RATING</b>	<b>= OVERALL WILDFIRE HAZARD RATING</b>
10	70	0	60	140

<b>SUBDIVISION DESIGN RATING</b>	<b>Rating</b>	
<b>ACCESS</b>		
Two or more roads	0	
One road, plus alternative	3	0
One road in/out	7	
<b>SUBDIVISION BRIDGES</b>		
No bridges or bridges with no weight and or width restrictions	0	
Low weight or narrow bridges restricting emergency access	5	0
<b>PRIMARY ROAD WIDTHS</b>		
>24 ft	0	
>20 ft and <24 ft	2	0
<20 ft	4	
<b>ACCESSIBILITY</b>		
Surfaced road, grade <5%	0	
Surfaced road, grade >5%	2	
Non-surfaced road, grade <5%	2	0
Non-surfaced road, grade >5%	5	
Other than all-season road	7	
<b>SECONDARY ROAD TERMINUS</b>		
<300 ft with turnaround	0	
>300 ft with turnaround	2	
<300 ft without turnaround	4	0
>300 ft without turnaround	5	
<b>UNSAFE ROADWAY</b>		
No flammable vegetation threat	0	
Highly flammable vegetation along road	5	5
<b>STREET SIGNS</b>		
Present 4 inches in size and reflective	0	
Not present	5	5
<b>TOTAL SUBDIVISION DESIGN</b>		<b>10</b>

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

<b>SITE HAZARD RATING:</b> (within 30 feet of structure based on a majority of the properties in the community)	<b>Rating</b>	
<b>DRIVEWAY CHARACTERISTICS</b>		
Less than 150 ft long	0	<b>0</b>
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	<b>0</b>
Average driveway width less than 12 ft	5	
No obstructing overhead branches below 15 ft	0	<b>5</b>
Obstructing overhead branches below 15 ft	5	
No bridges or bridges with no weight and or width restrictions	0	<b>5</b>
Bridges restricting emergency vehicle access	5	
Slopes level or less than 10%	0	<b>0</b>
Slopes over 10%	5	
No gate/non-locking gate	0	<b>0</b>
Locked gate	5	
Address clearly visible from road	0	<b>5</b>
Address not clearly visible from road	5	
<b>DOMINANT TREES (within 100 ft of homes)</b>		
Deciduous	1	<b>5</b>
Mixed	5	
Evergreen	10	
<b>LADDER FUELS</b>		
Evergreen branches pruned up at least 6 ft	0	<b>5</b>
Evergreen branches close to ground	5	
<b>VEGETATION (predominant type throughout community)</b>		
Light (e.g. grasses and forbs) NFDRS Fuels Models A, C, L, N, S and T	5	<b>20</b>
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	
<b>SLOPE OF PROPERTY</b>		
Flat (0-5%)	0	<b>0</b>
Moderate (6-20%)	2	
Steep (over 20%)	4	
<b>DEFENSIBLE SPACE</b>		
No trees, shrubs or tall grass within 30 ft	0	<b>20</b>
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	<b>5</b>
Unthinned or unmanaged timber within 100 ft	5	
<b>TOTAL SITE HAZARD RATING</b>		<b>70</b>

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

<b>BUILDING CONSTRUCTION HAZARD RATING</b>	<b>Rating</b>	
<b>ROOFING MATERIALS</b>		
Greater than 75% of homes have metal, tile or Class A shingles	0	<b>0</b>
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	
<b>SIDING / SOFFETS</b>		
Greater than 75% of homes have fire resistant siding and soffits	0	<b>0</b>
50 to 75% of homes have fire resistant siding and soffits	5	
Less than 50% of homes have fire resistant siding and soffits	10	
<b>UNDERSKIRTING</b>		
Greater than 75% of homes have equivalent of fine mesh screening underneath	0	<b>0</b>
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	
<b>TOTAL BUILDING CONSTRUCTION HAZARD RATING</b>		<b>0</b>

<b>ADDITIONAL HAZARD FACTORS</b>	<b>Rating</b>	
<b>FIRE CONTROL WATER SUPPLY</b>		
Pressurized hydrants with minimum 500 gpm < 1,000 ft apart	0	<b>15</b>
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	
<b>UTILITIES</b>		
Both underground	0	<b>5</b>
One underground, one above ground	3	
Both above ground	5	
<b>SURROUNDING ENVIRONMENT</b>		
Community is not surrounded by any large natural landscapes	0	<b>20</b>
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	
<b>UNDEVELOPED LOTS</b>		
Less than 10% of lots have not been developed and pose no additional wildfire hazard due to lack of maintenance	0	<b>10</b>
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	
<b>RISK LOCATION</b>		
Community is located within the following designated Wildfire Risk Areas according to the Southern Wildfire Risk Assessment		
Low	0	<b>10</b>
Medium	10	
High	20	
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>		<b>60</b>

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



**Narrative:** Primarily dirt roads and some blacktop roads. Dense woods and forestry along the Cimarron River to the East of Hwy 132. Other areas are mainly farmland and acreages with occasional homes. Irrigation well on the Melton farm.

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 10 Assessment  
(Hwy 51 South to Dover Fire District and East of Mitchell Rd. to County Line)

Forestry Office: Enid  
Community: Hennessey County: Kingfisher  
Latitude: Longitude:  
Fire Department: Hennessey FD  
Date: 2010  
Acres: Yes Lots: Homes: Yes Future Homes:  
Business and Industrial Area:

**CALCULATING THE WILDFIRE HAZARD RATING**

<b>SUBDIVISION DESIGN HAZARD RATING</b>	<b>+ SITE HAZARD RATING</b>	<b>+ BUILDING CONSTRUCTION HAZARD RATING</b>	<b>+ ADDITIONAL FACTOR HAZARD RATING</b>	<b>= OVERALL WILDFIRE HAZARD RATING</b>
5	35	0	50	90

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

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

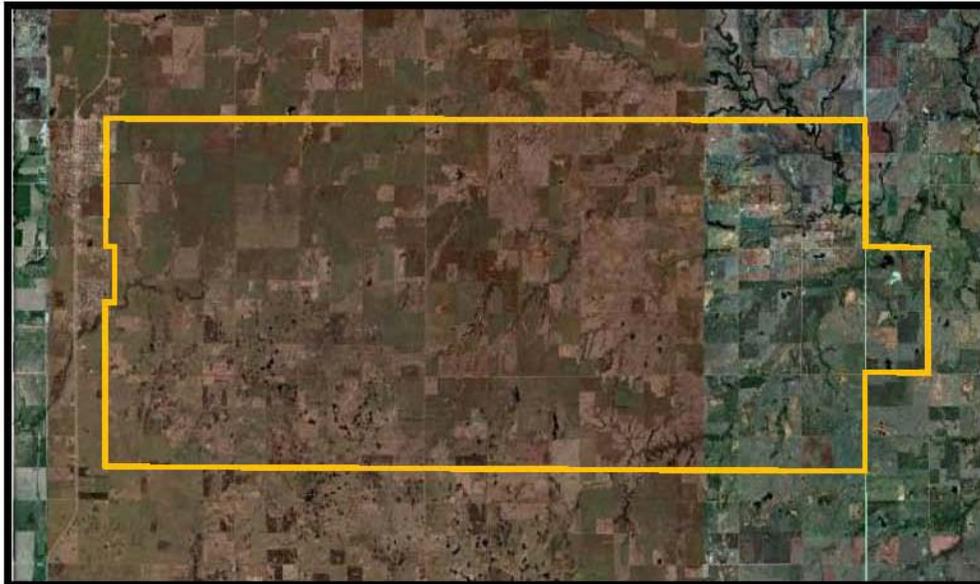
<b>SITE HAZARD RATING:</b> (within 30 feet of structure based on a majority of the properties in the community)	<b>Rating</b>	
<b>DRIVEWAY CHARACTERISTICS</b>		
Less than 150 ft long	0	0
More than 150 ft long with minimum 45 ft outside radius turnaround	3	
More than 150 ft with inadequate turnaround	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	
<b>DOMINANT TREES (within 100 ft of homes)</b>		
Deciduous	1	5
Mixed	5	
Evergreen	10	
<b>LADDER FUELS</b>		
Evergreen branches pruned up at least 6 ft	0	5
Evergreen branches close to ground	5	
<b>VEGETATION (predominant type throughout community)</b>		
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	
<b>SLOPE OF PROPERTY</b>		
Flat (0-5%)	0	0
Moderate (6-20%)	2	
Steep (over 20%)	4	
<b>DEFENSIBLE SPACE</b>		
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	
<b>TOTAL SITE HAZARD RATING</b>		<b>35</b>

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

<b>BUILDING CONSTRUCTION HAZARD RATING</b>	<b>Rating</b>	
<b>ROOFING MATERIALS</b>		
Greater than 75% of homes have metal, tile or Class A shingles	0	<b>0</b>
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	
<b>SIDING / SOFFETS</b>		
Greater than 75% of homes have fire resistant siding and soffits	0	<b>0</b>
50 to 75% of homes have fire resistant siding and soffits	5	
Less than 50% of homes have fire resistant siding and soffits	10	
<b>UNDERSKIRTING</b>		
Greater than 75% of homes have equivalent of fine mesh screening underneath	0	<b>0</b>
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	
<b>TOTAL BUILDING CONSTRUCTION HAZARD RATING</b>		<b>0</b>

<b>ADDITIONAL HAZARD FACTORS</b>	<b>Rating</b>	
<b>FIRE CONTROL WATER SUPPLY</b>		
Pressurized hydrants with minimum 500 gpm < 1,000 ft apart	0	<b>7</b>
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	
<b>UTILITIES</b>		
Both underground	0	<b>3</b>
One underground, one above ground	3	
Both above ground	5	
<b>SURROUNDING ENVIRONMENT</b>		
Community is not surrounded by any large natural landscapes	0	<b>20</b>
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	
<b>UNDEVELOPED LOTS</b>		
Less than 10% of lots have not been developed and pose no additional wildfire hazard due to lack of maintenance	0	<b>10</b>
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	
<b>RISK LOCATION</b>		
Community is located within the following designated Wildfire Risk Areas according to the Southern Wildfire Risk Assessment		
Low	0	<b>10</b>
Medium	10	
High	20	
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>		<b>50</b>

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



**Narrative:** 1.5 miles East of Mitchell and 2 miles South of Hwy 51 on SE side is a dilapidated house with cars around it.  
On blacktop 3 miles South of Hwy 51 and 5 miles East of Mitchell on NW corner of intersection is a house surrounded by vehicles.  
1.5 miles East of Mitchell and 3 miles South of Hwy 51 is several buildings and an old house surrounded by overgrown brush and trees on North side.  
4 miles South of Hwy 51 and .5 miles East of Mitchell is a mobile home park on corner.



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



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