

COMMUNITY WILDFIRE HAZARD AND RISK ASSESSMENT  
FOR  
STILLWATER, OK



Prepared by:

DIRAC TWIDWELL

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## FOREWARD

### *Background on FIREWISE<sup>1</sup>*

#### *Introduction*

The FIREWISE Communities/USA program is designed to provide an effective management approach for preserving wildland living aesthetics. The program can be tailored for adoption by any community and/or neighborhood association that is committed to ensuring its citizens maximum protection from wildland fire. The following community assessment is intended as a resource to be used by residents of Stillwater, OK, for creating a wildfire safety action plan. The plan developed from the information in this assessment should be implemented in a collaborative manner, and updated and modified as needed.

The Community Wildfire Hazard and Risk Assessment for Stillwater, OK, was developed by Dr. Dirac Twidwell with feedback from Trent Hawkins, Brian Hall, and various city officials. Dr. Dirac Twidwell is a Postdoctoral Research Associate in the Division of Agricultural Sciences and Natural Resources in the Department of Natural Resource Ecology and Management at Oklahoma State University. Dr. Twidwell has considerable experience conducting research on wildfire – landscape design, wildfire behavior and effects, and fuels mitigation strategies. Trent Hawkins is the Fire Marshal for the Stillwater Fire Department and has served in the position since 2002. Brian Hall is the Staff Protection Forester with Oklahoma Forestry Services and provides oversight on guidance for the development of FIREWISE communities in Oklahoma.

#### *Description of the Home Ignition Zone*

Stillwater is located in a wildfire environment. Wildfires will happen—exclusion is not a choice. The variables in a fire scenario are when the fire will occur, and where. This assessment addresses the wildfire-related characteristics of Stillwater. It examines the area’s exposure to wildfire as it relates to ignition potential. The assessment does not focus on specific homes, but examines the community as a whole. A house burns because of its interrelationship with everything in its surrounding home ignition zone—the house and its immediate surroundings. To avoid a home ignition, a homeowner must eliminate the wildfire’s potential relationship with his/her house. This can be accomplished by interrupting the natural path a fire takes. Changing a fire’s path by clearing a home ignition zone is an easy-to-accomplish task that can result in avoiding home loss. To accomplish this, flammable items such as dead vegetation must be removed from the area immediately around the structure to prevent flames from contacting it.

Also, reducing the volume of live vegetation will affect the intensity of the wildfire as it enters the home ignition zone. Included in this assessment are observations made for the city of Stillwater (see Methodology). The assessment addresses the ease with which home ignitions can occur under severe wildfire conditions and how these ignitions might be avoided within the home ignition zones of affected residents. Stillwater residents can reduce their risk of destruction during a wildfire by taking actions within their home ignition zones. This zone principally determines the potential for home ignitions during a wildland fire and includes a house and its immediate surroundings within 100 to 150 feet.

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<sup>1</sup> information modified from A User Reference Guide to the FIREWISE Communities/USA Recognition program; <http://www.firewise.org/~media/Firewise/Files/Pdfs/Booklets%20and%20Brochures/FirewiseUserGuide.pdf>

The result of the assessment process is that wildfire risk will be determined by the residential characteristics of this area. The good news is that by addressing community vulnerabilities, residents will be able to substantially reduce their exposure to loss. Relatively small investments of time and effort will reap great rewards in wildfire safety.

*Description of the Severe Wildland Fire Characteristics that Could Threaten the Area*

Over the last decade, the number and acres burned by wildfires have increased in Oklahoma, posing an increasingly greater threat to life and property in the state. Wildfires in 2012 posed a considerable threat to the Stillwater area, where approximately 400 homes were lost in nearby towns.

*General wildfire statistics in Oklahoma since 2002.*

<b>Year</b>	<b>Number of wildfires</b>	<b>Acres burned</b>
2002	1,405	38,133
2003	1,945	97,527
2004	1,616	58,893
2005	2,447	146,594
2006	3,320	324,011
2007	3,519	69,907
2008	5,572	196,563
2009	1,773	153,984
2010	1,568	81,238
2011	2,486	293,381
2012	1,595	232,579

Wildfire threat is tightly coupled to fire behavior. Fire intensity and fire spread rate depend on fuel type and its condition (live vs. dead or dormant), weather conditions prior and during combustion, and topography. Generally the following relationships hold between fire behavior and fuels, weather and topography.

- Fine fuels ignite more easily and spread faster with higher intensities than coarser fuels. For a given fuel, the more there is and the more continuous it is, the faster the fire spreads and the higher the intensities. Fine fuels take a shorter time to burn out than coarser fuels.
- Weather conditions affect the moisture content of dead and live vegetative fuels. Dead fine fuel moisture content is highly dependent on relationships between relative humidity, temperature, and the degree of sun exposure. The lower the relative humidity and the greater the sun exposure, and the higher the temperature, the lower will be the dead fuel moisture content. Live fuel moisture content of fine fuels is highly dependent on plant-soil moisture conditions resulting from precipitation and the phenological status of the plant at a given time of year. Generally speaking, the greater the drought, the lower live fuel moisture content will be. Lower fuel moistures produce higher spread rates and fire intensities.
- Wind speed significantly influences the rate of fire spread and fire intensity. The higher the wind speed, the greater the spread rate and intensity of fires.
- Topography influences fire behavior principally by the steepness of the slope. However, the configuration of the terrain such as narrow draws, saddles and so forth can influence fire spread and intensity. In general, the steeper the slope, the greater the uphill fire spread and intensity.

### *Important Considerations*

The FIREWISE Communities/USA program seeks to create a sustainable balance that will allow communities to live safely while maintaining environmental harmony in a WUI setting.

Homeowners already balance their decisions about fire protection measures against their desire for certain flammable components on their properties. It is important for them to understand the implications of the choices they are making. These choices directly relate to the ignitability of their home ignition zones during a wildfire.

The Stillwater, OK, Wildfire Hazard and Risk Assessment identifies some of the major threats to homeowners in different parts of the city. Homeowners are encouraged to review the specific criteria and rankings that increase wildfire hazards and risks in their respective area. However, homeowners are also encouraged to use the FIREWISE ranking system to self-assess their own property and take the appropriate measures to reduce their own wildfire hazards.

When adequately prepared, a house can likely withstand a wildfire without the intervention of the fire service. Further, a house and its surrounding community can be both FIREWISE and compatible with the area's ecosystem. The Firewise Communities/USA program is designed to enable communities to achieve a high level of protection against WUI fire loss even as a sustainable ecosystem balance is maintained.

As a reminder, street signs, addresses, road widths and fire hydrants contribute to a wildfire hazard rating for a given area. However, homeowners and city officials should remember that these factors do not keep a house from igniting; proper attention to their home ignition zones does. Homeowners should identify the factors that will ignite their homes and address those, and city officials should encourage improvements to infrastructure and building construction codes to reduce wildfire hazards. Specific areas of improvement are highlighted in the Stillwater Assessment Report.

### ***Disclaimer***

The FIREWISE Wildfire Hazard and Risk Assessment Report for Stillwater, OK, has been prepared to increase awareness on potential wildfire threats to the community. However, FIREWISE does not guarantee a house will survive a wildfire event and having a low FIREWISE hazard rating does not "fire proof" an individual house or a given area or subdivision; instead, reducing the FIREWISE hazard rating lowers wildfire threats and improve the potential for wildfire suppression to be successful.

It is important to recognize that the FIREWISE assessment form is a qualitative ranking system that arbitrarily ranks different factors perceived to contribute to the threat of wildfires at the wildland-urban interface (WUI). The assessment does not include the full range of realistic fire and ember exposures at the WUI and offers no actual quantification of the potential exposure of homes to the ignition, spread, and intensity of wildfires or embers produced by wildfires. Furthermore, the Stillwater FIREWISE Assessment is a community-level assessment that produces a rating based on a select number of houses in a given area or subdivision. While such an approach gives an indication of the general wildfire risk for a given area, the actual risk of individual homes can deviate from this assessment based on the characteristics of the site around an individual home.

## *What does the Wildfire Hazard Rating mean?<sup>2</sup>*

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.

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<sup>2</sup> from the Oklahoma Forestry Division's Community Wildfire Hazard and Risk Assessment form.

## METHODOLOGY

The Community Wildfire Hazard and Risk Assessment for Stillwater, OK was determined by delineating Stillwater into 29 assessment zones (Figure 11) and completing the Oklahoma Forestry Division's *Community Wildfire and Hazard Assessment* form for each zone. The spatial extent of each assessment zone corresponds with publically available spatial data from the city of Stillwater, OK, that summarizes residential population size, number of houses, home values, and demographic information. Wildfire hazard ratings can therefore be combined with such data to prioritize fuels mitigation efforts and improve city planning for future development.

The Overall Wildfire Hazard Rating for Stillwater, OK, was calculated by weighting each zone based on the relative proportion each contributed to the total land area in this assessment. Thus, zones of larger area contribute more to the overall wildfire hazard rating than zones of smaller area. This was done because the 29 assessment zones differ greatly in size and to prevent small sized zones from having a disproportionate effect on the overall wildfire hazard rating for the community. The average of the 29 weighted ratings was used to quantify wildfire hazard ratings for the Stillwater Assessment Area.

The *Community Wildfire and Hazard Assessment* form categorizes risk into four areas: subdivision design hazard, site hazard, building construction hazard, and hazard for additional factors. The hazard rating for each category was determined by summing the scores for individual categories. For each of the four hazard ratings, the selection that occurred most frequently for a given category was used to assign the assessment zone a hazard rating score. Consider the subdivision design hazard rating an example. If four subdivisions occur within a zone, and two subdivisions contained "two or more road", one subdivision contained "one road, plus alternative", and another subdivision contained "one road in/out", then the zone was given a hazard rating score of 0.

Because it was unfeasible to inspect all houses in the Stillwater Assessment Area, a total of 870 houses (corresponding to 30 houses in each of the 29 assessment zones) were randomly inspected and used to characterize (1) driveway characteristics, dominant trees, ladder fuels, property slopes, and defensible space for the site hazard rating and (2) roofing material, siding/soffets, and underskirting for the construction hazard rating.

The rating for vegetation within the site hazard rating section was defined as the vegetation/fuel type that comprised the greatest proportion of land area within the assessment zone. Light fuels were considered to be dominated by grasses and lacked flammable shrubs and trees. Medium fuels were considered to be a mix of grass, shrubs, and trees. Heavy fuels were considered to be dense stands of Eastern redcedar and/or unmanaged crossttimbers with high leaf litter loads. Slash was considered to be timber harvesting residue. Ratings for fire control water supply and utilities were determined using city and county maps from the city of Stillwater. Ratings for all other categories were determined using a combination of aerial imagery, elevation profiles, on-the-ground sampling, or some combination of each. Unsafe roadways were defined as highly flammable vegetation occurring with 30 feet of roadways.

## OVERALL WILDFIRE HAZARD RATING

The overall wildfire hazard rating for Stillwater, OK is moderate (overall weighted rating = 91), with sections of the city varying from a rating of very low risk to just below high risk (Figure 1). **A moderate wildfire hazard rating suggests that the chances of the majority of homes surviving a wildfire in the community are fair** (based on the Oklahoma Forestry Division's *Community Wildfire Hazard and Risk Assessment* form). Further discussion of the categories used to develop the overall rating for Stillwater, OK is given in the forthcoming sections.

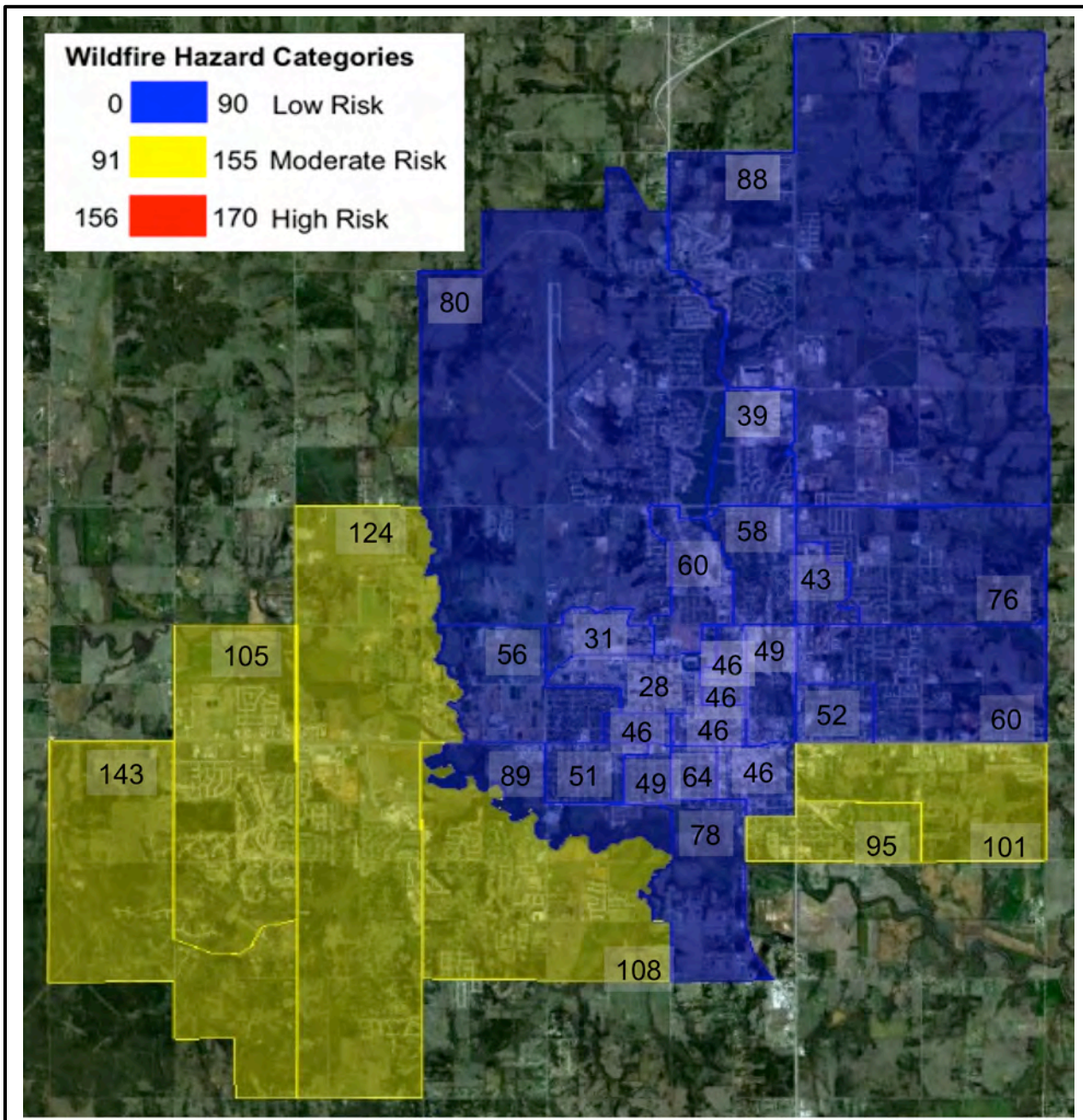


Figure 1. Overall Wildfire Risk Ratings for each assessment zone in Stillwater, OK. Numbers show the actual ratings for each assessment zone. Assessment zones with a rating of 0-90 are classified as low risk (blue). In those areas, the chances of the majority of homes in the community surviving a wildfire are good. Assessment zones with a rating of 91-155 are classified as moderate risk (yellow). The chances of the majority of homes in the community surviving a wildfire are fair. One assessment zone is rated near 155, which classifies an area at high risk. The chances of the majority of homes surviving a wildfire in an area at high risk are not good.



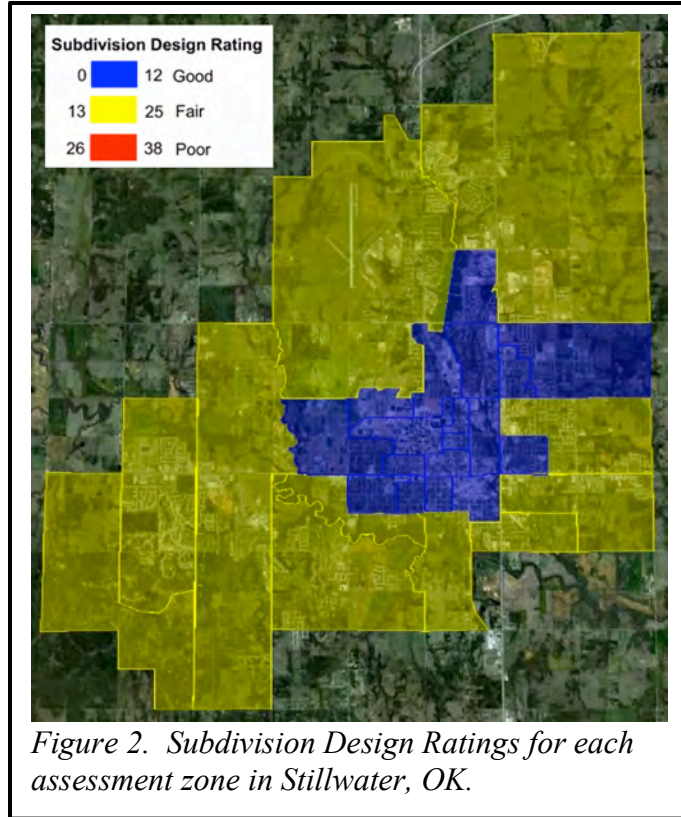
## WILDFIRE HAZARD RATINGS

### *Subdivision Design Ratings*

The overall subdivision design rating for Stillwater is fair (weighted rating = 17). Subdivisions located in the interior and eastern portions of the assessment area received the best ratings (Figure 2).

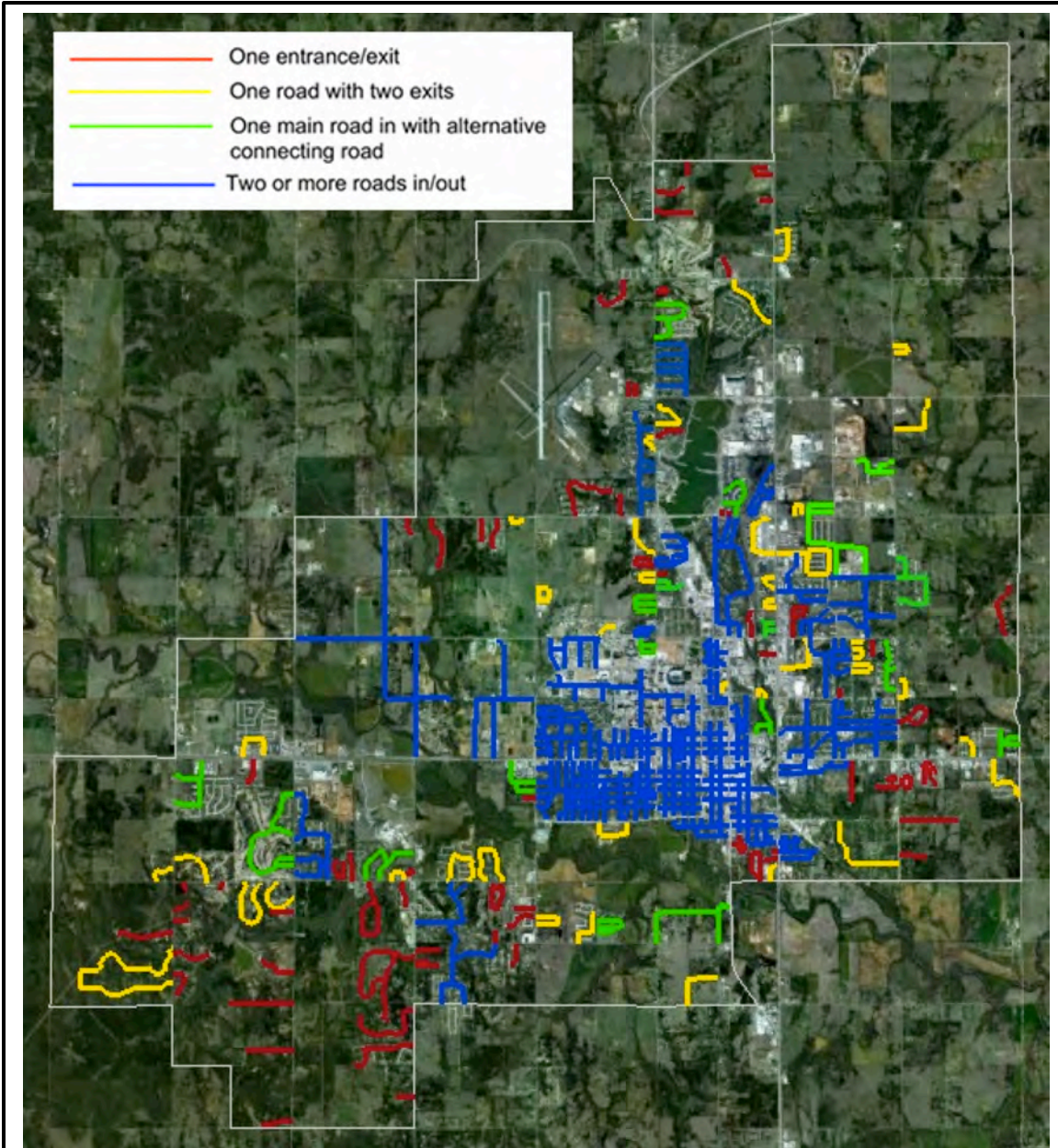
### *Access*

Subdivisions and housing communities have been designed as small subdivisions with limited access. Except in the interior of the city, the primary access into the vast majority of subdivisions is from a dead end road or a single road with an alternate entrance and exit (Figure 3). In some areas, subdivisions were designed this way to maximize privacy and limit access to non-residents. Alternatively, some highly populated subdivisions simply fail to provide multiple primary access roads. In either case, the high number of subdivisions with a single entrance and exit limits emergency vehicle access as well as their escape routes during wildfire suppression efforts. Access to subdivisions in the early stages of development can be improved in the future with city planning and the creation of transportation routes that connect dead end or solitary roads with other sources of access. For some other subdivisions, access can be improved with minor road construction connecting current subdivisions with existing major roadways. The remaining subdivisions are primarily small housing communities located along riparian corridors or topographic features that naturally limit additional access routes.

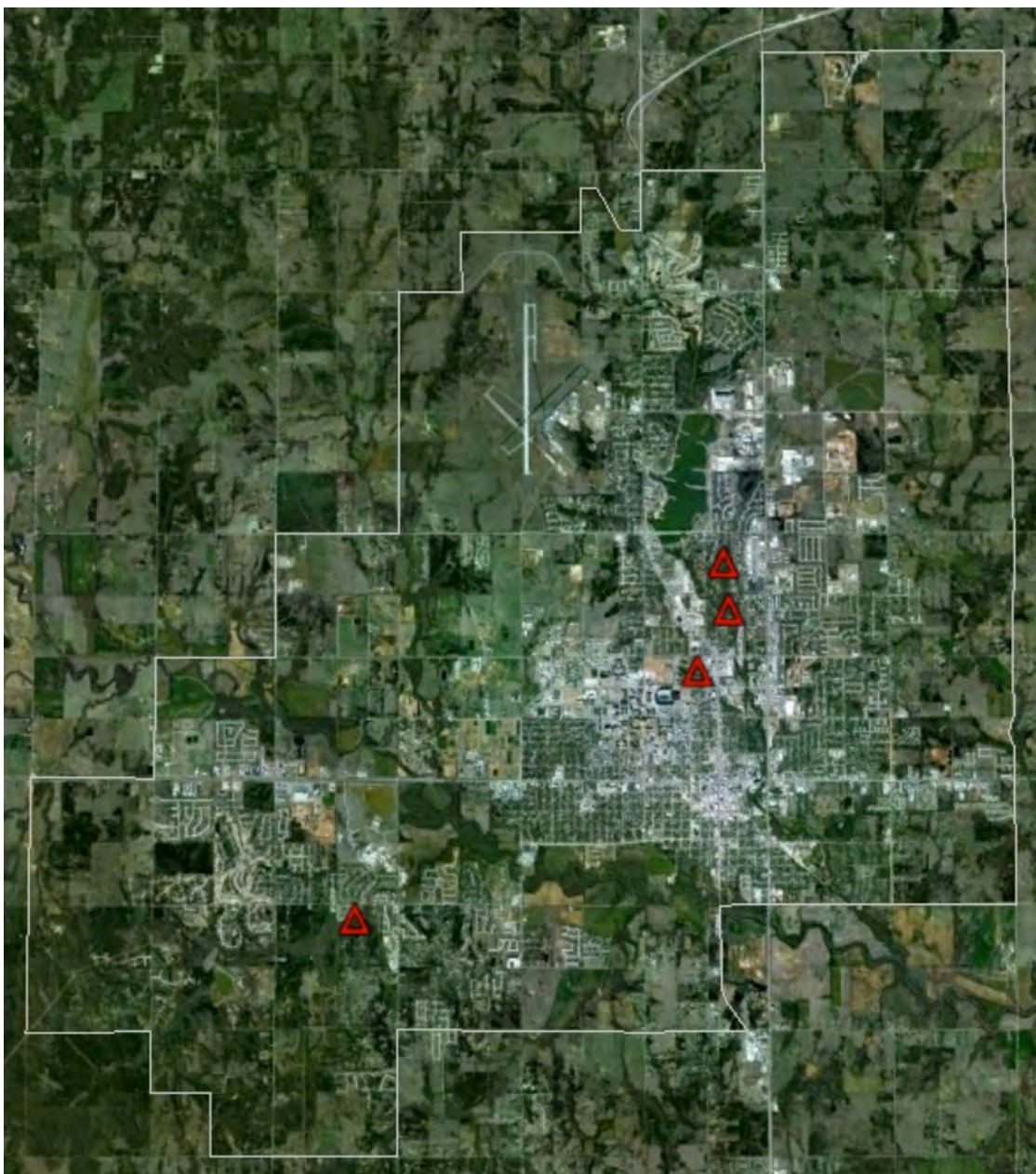


### *Subdivision bridges*

Relatively few bridges are present in Stillwater and all bridges located on the Payne County reference map are rated for weights above 6 tons (bridges with weight restrictions below 6 tons are below the level that should be legally crossed by city fire trucks). There are a few bridges that were not located on the county map within city limits. No signs are posted with the weight restrictions for these bridges (Figure 4). One of the unmarked bridges is less than 12 ft. wide and is located at the entrance of Cedar Oaks subdivision.



*Figure 3. Roads providing access into subdivisions and housing communities within Stillwater Assessment Zones. Subdivisions that can be accessed using only a single entrance/exit (red lines) or as a single road with two potential entrances/exits (yellow lines) severely limit emergency vehicle escape routes and pose a serious threat to firefighter personnel attempting to suppress wildland fires. Many of these roads are located in areas with dense stands of volatile fuels, such as Eastern redcedar.*



*Figure 4. Locations of bridges (red triangles) that were not located on the Payne county reference map and did not have a posted weight restriction along roadways. The southwestern-most bridge on the map marks the entrance to the Cedar Oaks subdivision. A median bisects the bridge, effectively making the bridge less than 12 ft. wide and insufficient for emergency fire vehicle access. As shown in Figure 3, this bridge is the only access in/out of the Cedar Oaks subdivision.*

### *Primary road widths*

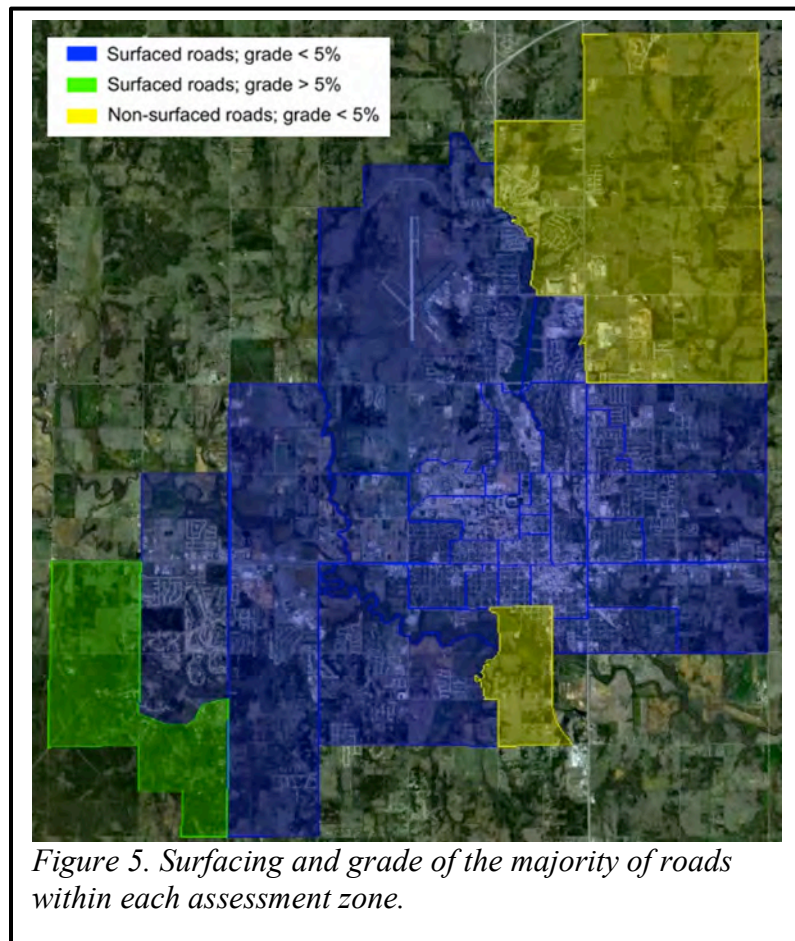
The majority of roads into subdivisions were greater than 24 feet wide. Only two assessment zones did not receive the best possible rating (zones 18 and 20, see zone layout in methodology, Figure 12). In zone 18, the majority of primary access roads were less than 20 feet wide. In zone 20, subdivision access roads were evenly split among all three categories and thus the intermediate ranking of 20-24 feet wide roads was given.

### *Accessibility*

Subdivision access roads are surfaced and flat with only a few exceptions (Figure 5). Zones without surfaced roads are primarily located beyond city limits.

### *Secondary road terminus*

Stillwater has a very high number of dead-end secondary roads with inadequate space for emergency fire vehicles to turn around (defined as turnarounds with less than 90 ft. outside diameter). For nearly 2/3 of assessment zones (18 of 29), the majority of secondary roads contained inadequate turnarounds. Eleven of those assessment zones consisted of long secondary roads (> 300 ft.) and received the lowest possible rating.



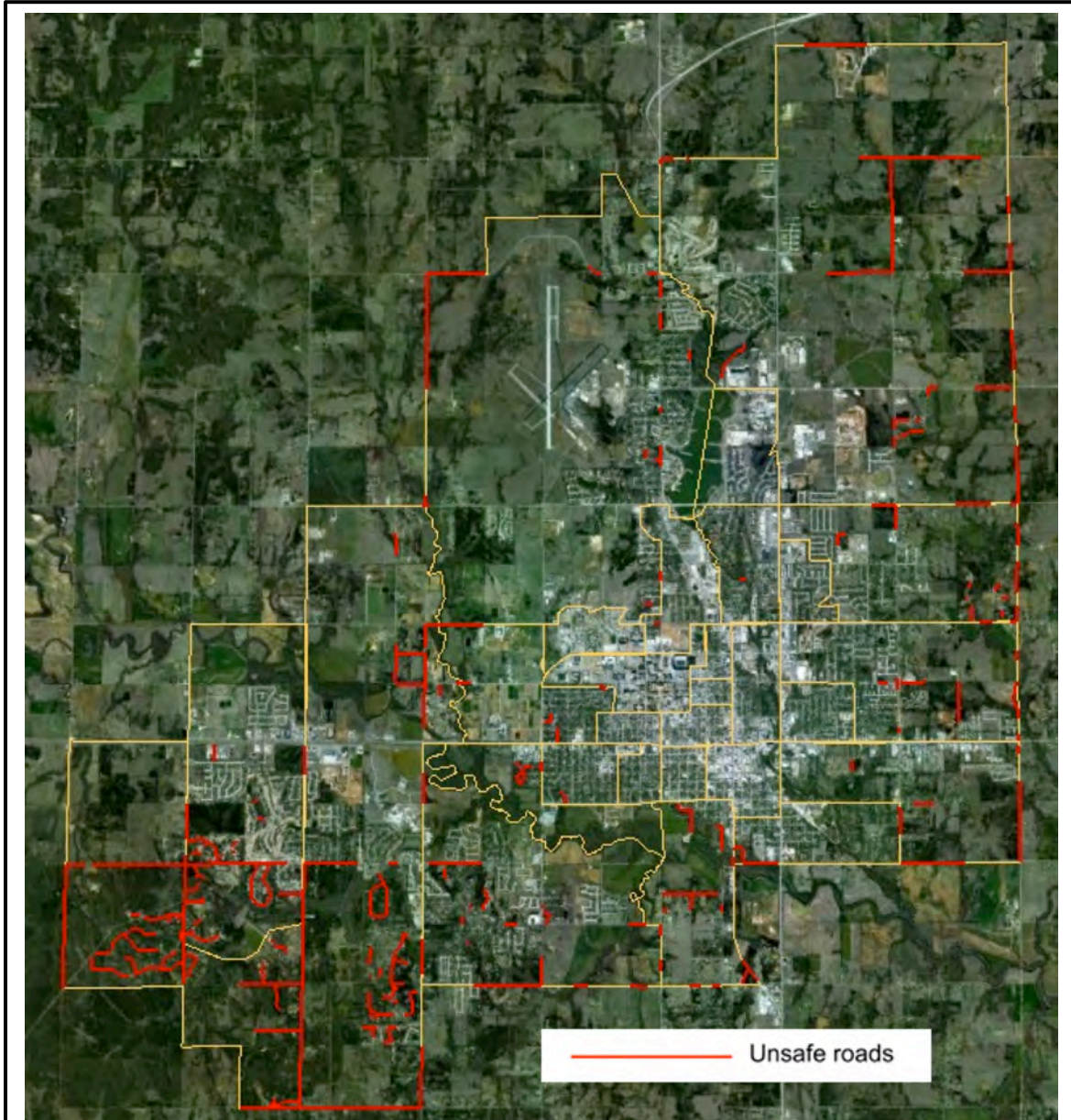
*Figure 5. Surfacing and grade of the majority of roads within each assessment zone.*

### *Unsafe roadways*

A very high number of roads are lined with highly volatile vegetation, primarily consisting of Eastern redcedar (Figure 6). The primary threat begins at the city limit boundary and then extends into housing developments at the wildland-urban interface (this assessment generally extends one to two miles beyond city limits, see Figure 12). The highest number of unsafe roads occurs in the southwest corner of the Stillwater Assessment Area. Nearly all roads in this area contain high densities of cedar trees within 30 feet of the edge of roadways.

*Street signs*

Street signs clearly marked roads, with only minor exceptions, were 4 inches in size, and reflective.

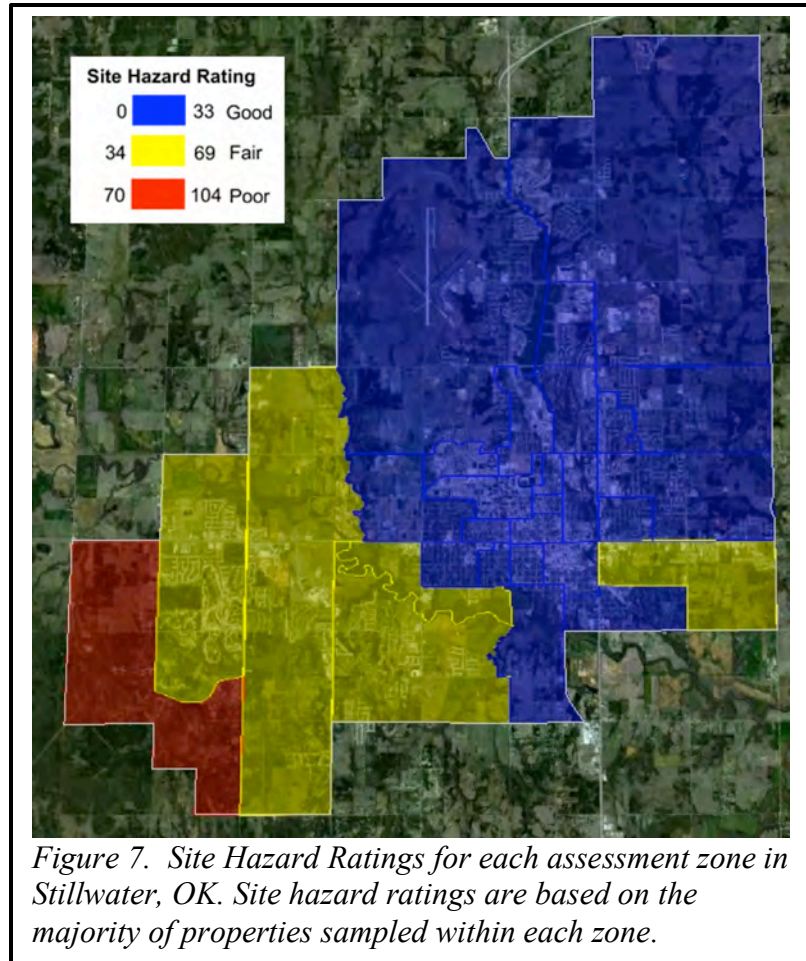


*Figure 6. Locations of unsafe roads within the Stillwater Assessment Area. Unsafe roads were defined as roads with highly flammable vegetation occurring within 30 feet of roads that could pose a threat to firefighter suppression efforts.*

### *Site Hazard Rating*

Site hazard ratings show areas where individual homeowners have the greatest impact on wildfire hazard and risk, and site assessments are by far the most important contribution to a zone's overall fire hazard rating.

The overall site hazard rating for Stillwater is good (weighted rating = 31), but large portions of the assessment area received fair and poor ratings (Figure 7). The interior and northeastern portions of the assessment area received the best ratings, whereas the southwestern-most area (zone 18) received a poor rating. Zones with poor to fair ratings can be improved with modest



levels of fuels management around homes and the pruning of trees to remove ladder fuels and to allow emergency vehicle access into long driveways. Zones with good ratings should be aware that lack of maintenance could quickly change site ratings over a few years. This is especially evident in the northeastern portion of the assessment area, where numerous small cedars are present. Without maintenance, the maturation of these cedars, along with the establishment of new individuals, could change site ratings to be more similar to the southwestern portion of the assessment area in the near future.

### *Driveway characteristics*

The majority of the assessment area scored a perfect rating (0 hazard rating) for driveway characteristics. However, the southwestern and southeastern zones received ratings ranging from fair to poor. In the southwestern-most zone, driveways were long and narrow, with inadequate turnarounds for emergency vehicles, and contained obstructing overhead branches. Address visibility is inconsistent in this area, but the majority of homes display addresses that can be clearly seen from the road. Many gates also block private residences and subdivisions. However, they did not contribute to hazard ratings in any zone because the majority of homes are accessible without a gate and firefighters have access codes to enter subdivision areas. In the southwest portion of the assessment

area, subdivisions with gates include Deer Creek, Briarcreek, Woodlake Villas, secondary roads in Boulder Creek, Country Club Village, Fiddler's Hill, and a private subdivision near 32<sup>nd</sup> and Sangre Road. In the eastern portion of the assessment area, a small subdivision, James Creek, contains gates with narrow entrances for fire department vehicles. An emergency vehicle access code is available to enter James Creek.

### *Dominant trees*

Deciduous trees were the dominant tree within 100 feet of most homes. The exceptions were houses located within zones to the southwest, which consisted of a mix of deciduous and cedar trees.

### *Ladder fuels*

While many houses contained evergreen shrubs or cedar trees with branches close to the ground, the majority of homes did not contain ladder fuels or pruned evergreen branches up at least 6 feet in all but three assessment zones (zones 18, 19, and 29).

### *Vegetation*

Vegetation types range from rangeland and pastureland with varying amounts of cedar encroachment to dense crosstimbers sometimes mixed with high densities of large cedar trees. In high population areas within the interior of the city, houses are most frequently landscaped with tall deciduous trees, small shrubs around the foundation, and well-maintained grass lawns. These areas are consistent with fuel models in the medium fuels category. Zones on the eastern and northeastern perimeter of the assessment area are also classified as medium fuels and consist of rangeland with moderate levels of small encroaching cedar trees. Grass fuels and agricultural land characterize light fuel types and were the most abundant types of vegetation in the northwestern-most and south-central zones as well as in recent subdivisions where shrubs were not used in landscaping. Stands of dense Eastern redcedar mixed with unmanaged crosstimbers were characterized as heavy fuels and were primarily located in southwestern zones (Figure 8). No slash fuels were present within the Stillwater Assessment Area. A map of vegetation types is given in Appendix II.

### *Slope of property*

Properties for most homes were located on flat slopes (0-5%) for all assessment zones.

### *Defensible space*

Defensible space identifies the type and density of vegetation around individual homes and is an important determinant of whether firefighters can defend a house from wildfires. In Stillwater, defensible space around homes is poor to fair (Figure 9). A poor ranking shows zones where, for most homes, trees are clumped or insufficiently spaced to

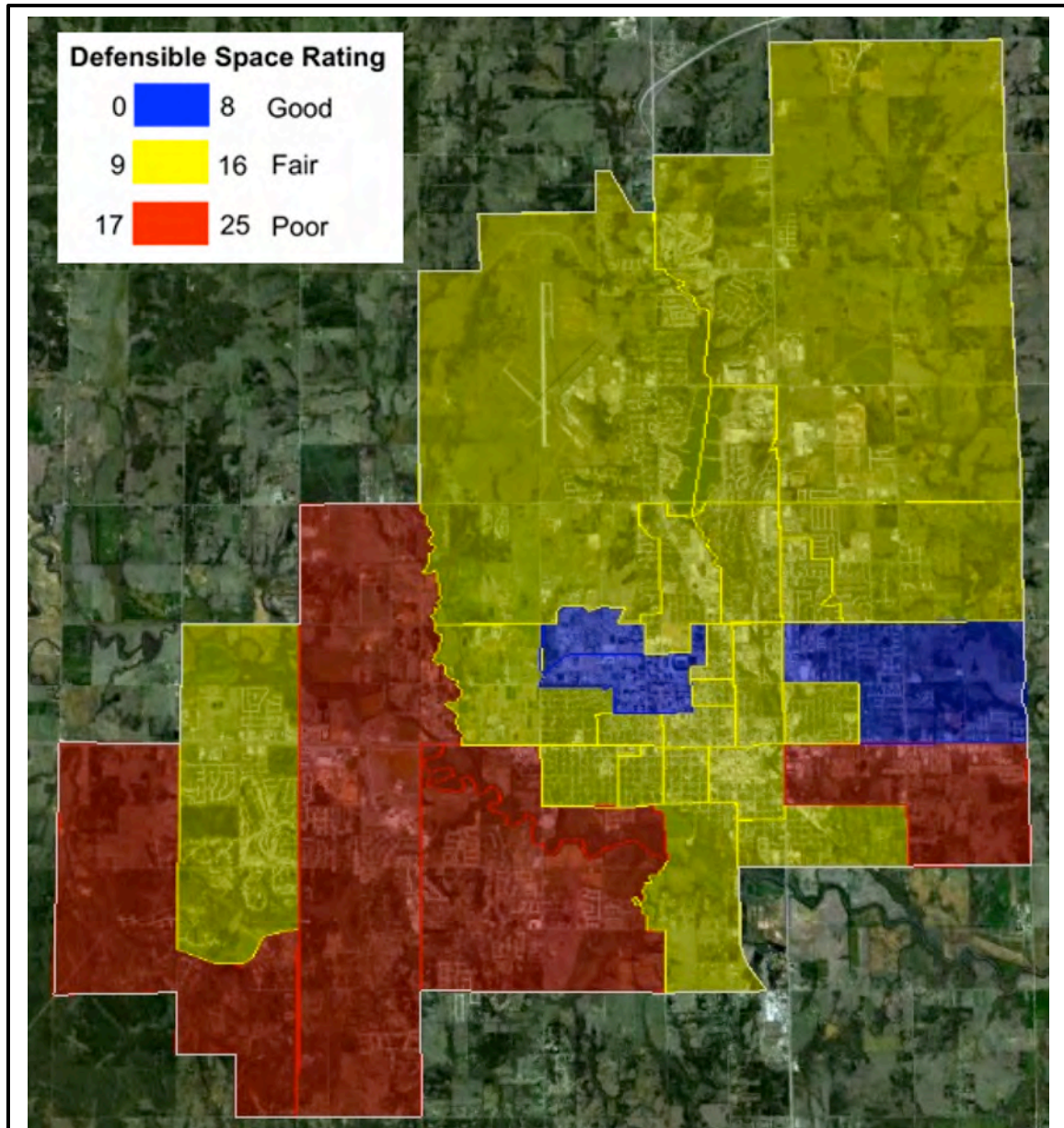
prevent the crowns of different trees (within 30 ft. of homes) from touching and/or where unmanaged or unthinned timber or woodland is present (within 100 ft. of homes).

Figure 8. Woody plant cover at the wildland-urban interface for Stillwater, OK.





Houses in these zones often contain highly flammable vegetation, such as Eastern redcedar trees, within close proximity of homes. A fair ranking shows zones with well-spaced trees and shrubs. In Stillwater, most of these zones are landscaped with large deciduous trees and pose lower risk than other FIREWISE assessments with evenly spaced evergreen trees. A good ranking shows zones that, for the majority of houses, do not contain trees, shrubs, or tallgrass within 30 feet of homes. Those areas include buildings, housing units and apartments around Oklahoma State University campus and recent subdivision development into rangeland in the eastern-portion of the assessment area.



*Figure 9. Defensible Space Rating for each assessment zone in Stillwater, OK. Defensible space is defined in this FIREWISE Assessment based on the type and density of vegetation occurring within 30 feet of homes and the presence/absence of woody plant management within 100 feet of homes.*

### ***Building construction hazard rating***

The overall building construction hazard rating for Stillwater is good (weighted rating = 11, Figure 10). The majority of homes are constructed with asphalt shingles and do not contain fire susceptible underskirting or underscreening around homes and decks. However, many homes are not fully constructed with fire resistant siding and nearly all homes lack fire resistant soffets. One small assessment zone was ranked poorly due to old roofing systems that would not pass as Class A roofing system.

#### *Roofing materials*

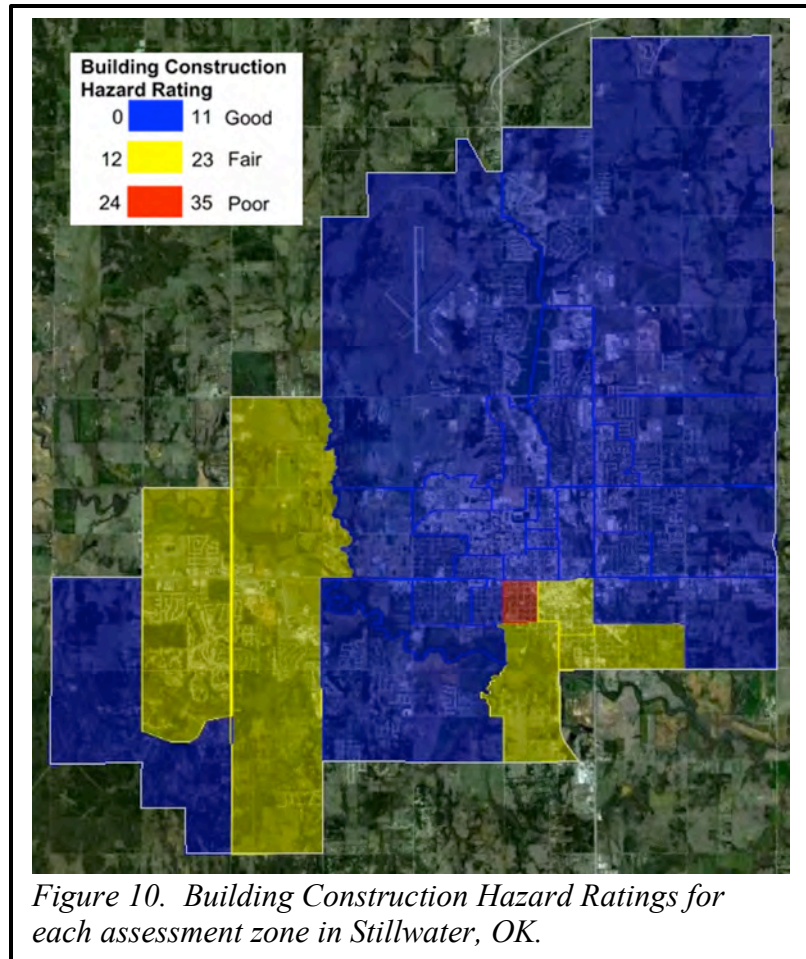
The vast majority of homes contain roofs with asphalt shingles. One zone in the interior of city contained roofs with old asphalt shingles with poorly maintained roofing structure. Those roofs would not qualify as a Class A roofing system and are at risk of wildfire embers from the south catching fire to the roof and initiating house fires.

#### *Siding/soffets*

Less than 50% of homes are fully constructed with fire resistant siding and soffets. The most common material used for siding in Stillwater is brick, wood, and vinyl. Of these, only brick is considered to be highly fire resistant. Although many homes are made of brick, recent additions are typically made of non-fire resistant materials such as wood or vinyl. In addition, the vast majority of soffets in Stillwater homes are not made of fire resistant material, irrespective of the type of material used for siding. Many houses are therefore at greater risk than is apparent from initial inspection, especially since numerous houses plant readily flammable evergreen shrubs around their foundation.

#### *Underskirting*

Greater than 75% of homes have the equivalent of fine mesh screening underneath homes and decks for most assessment zones. The majority of homes in Stillwater are made with concrete foundations, and decks are mostly made with concrete. In addition, mobile



*Figure 10. Building Construction Hazard Ratings for each assessment zone in Stillwater, OK.*

homes in the city usually contain fire resistant underskirting that has been maintained well. Those assessment zones that received a higher hazard rating were most often the result of lattice or wood underskirting underneath wooden decks.

### *Additional hazard factors*

The overall additional hazard factor rating for Stillwater is fair (weighted rating = 32, Figure 11).

### *Fire control water supply*

Pressurized hydrants with a minimum of 500 gpm are located less than 1,000 feet apart in nearly all assessment zones. The exceptions were the zone for Oklahoma State University campus, which has hydrants with < 500 gpm, and zones outside of city limits, which have hydrants spaced >1,000 feet apart. Numerous alternate water sources, such as ponds, lakes, or rivers, occur frequently within and around the community and provide additional water access to support firefighter efforts.

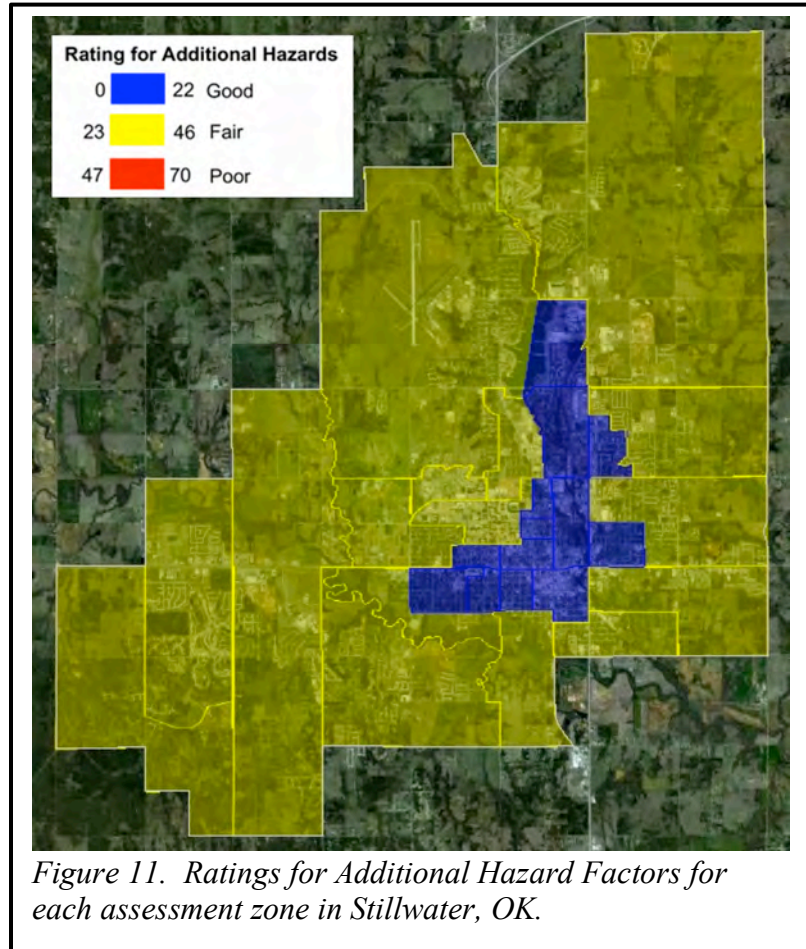


Figure 11. Ratings for Additional Hazard Factors for each assessment zone in Stillwater, OK.

### *Utilities*

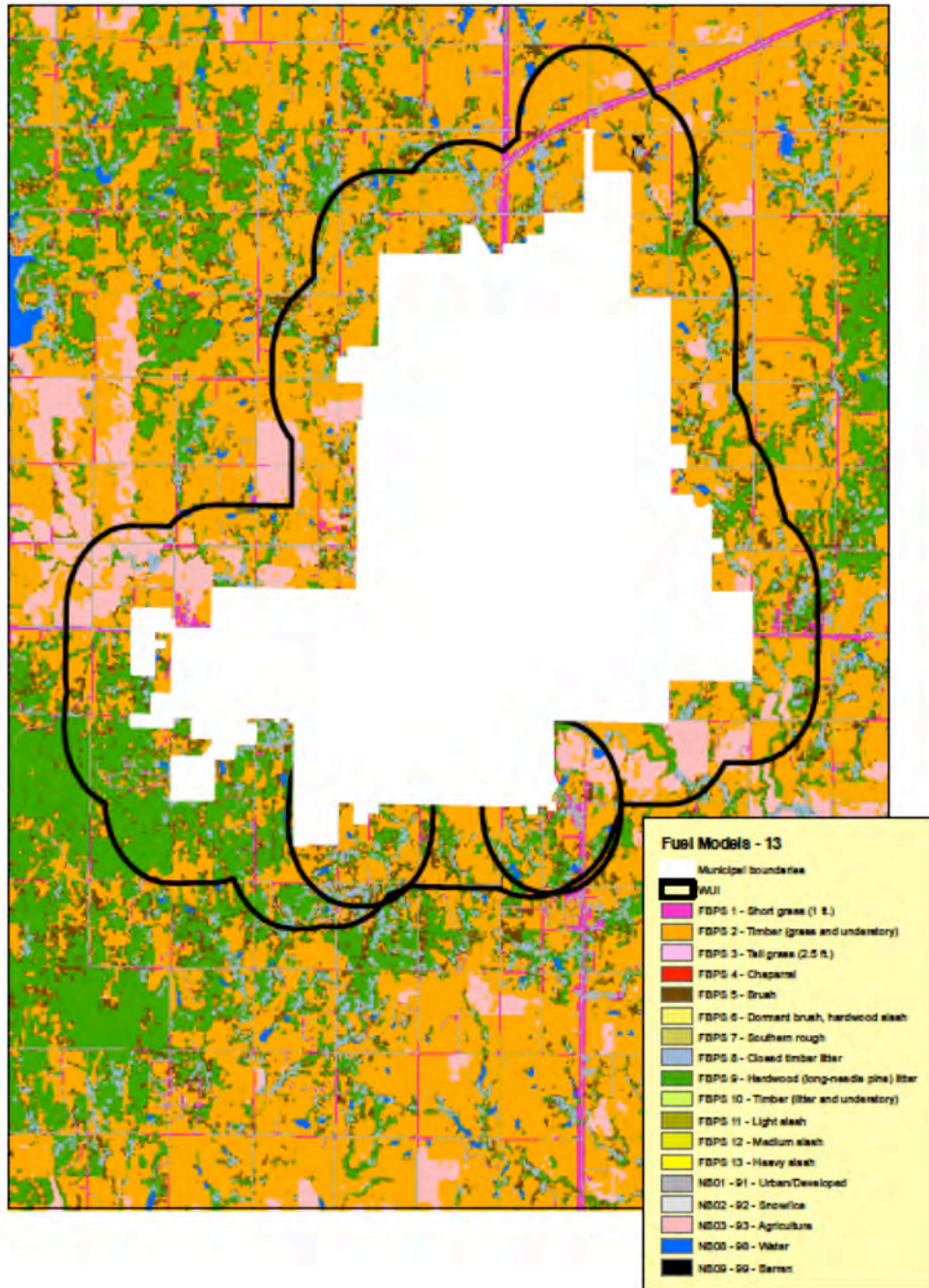
Most assessment zones have utilities both above and below ground.

### *Surrounding environment*

Overall, Stillwater is surrounded on three sides (south, west, and east) by large natural landscapes consisting of crosstimbers and rangeland. Agricultural land dominates more land area on the perimeter of the city to the northwest, but large natural areas are still present (Figure 12) and can contribute to wildland fire spread into residential properties in some areas.

Fuels management in the surrounding environment should strive to maintain the productivity and diversity of the crosstimbers and rangeland ecosystems that currently dominate the surrounding environment of Stillwater, while reducing potential wildfire spread rates and intensities and increasing wildfire suppression potential. At present, much of this can be accomplished by (1) reducing Eastern redcedar trees where they dominate the surrounding environment and (2) implementing management strategies that prevent encroachment of redcedar trees in areas it has yet to become established.

Figure 12. Map of fuel models for the Stillwater, OK, wildland-urban interface.

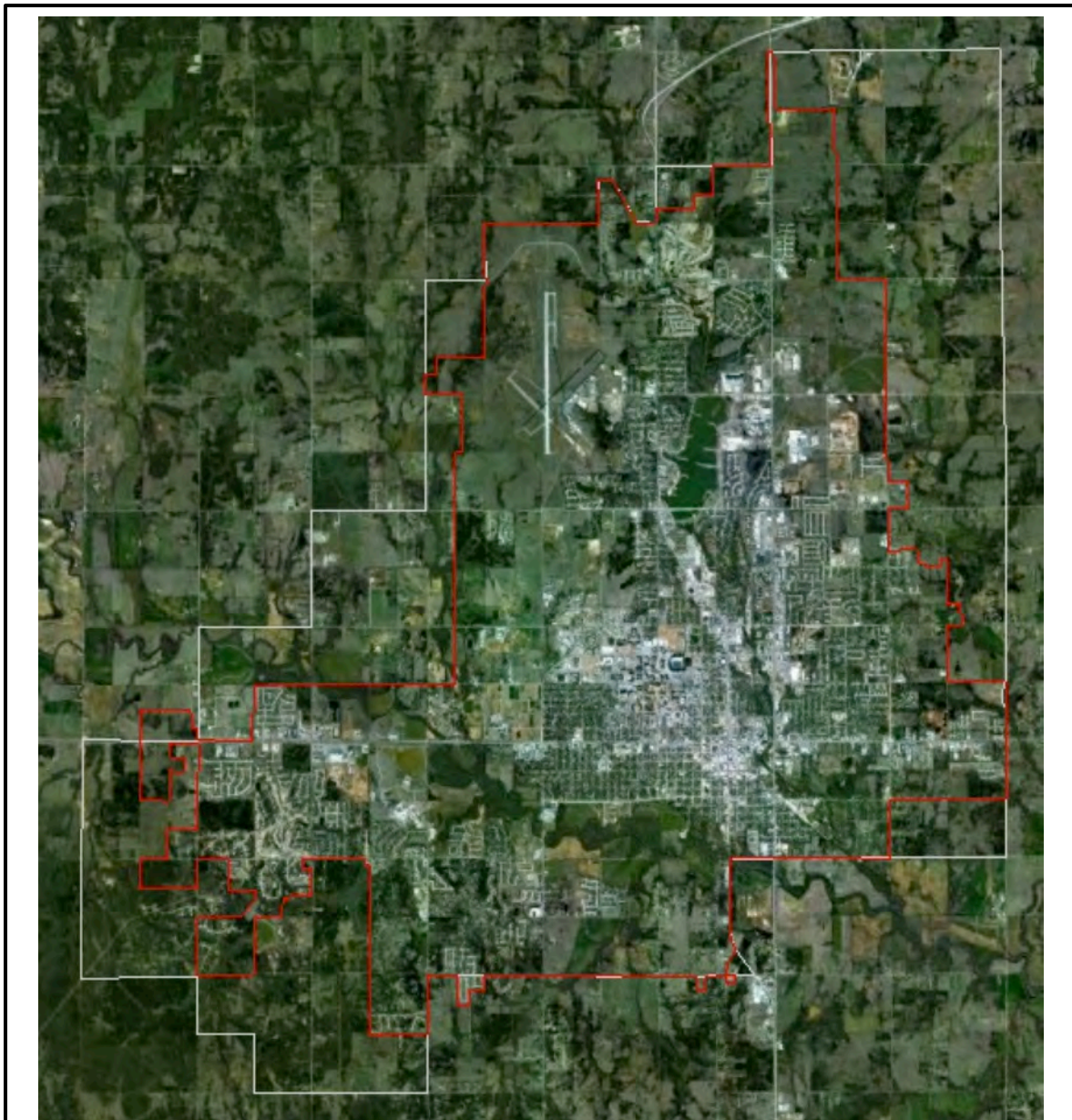


### *Undeveloped lots*

Stillwater has low levels of development within a large natural landscape (Figure 13). However, according to the U.S. Census Bureau, Stillwater is the fastest growing city in Oklahoma so development is expected to increase and expand further into this natural landscape.

### *Risk location*

According to the Southern Wildfire Risk Assessment, Stillwater is within a region identified as medium wildfire risk.



*Figure 13. Wildland-urban interface for Stillwater, OK. The white line shows the perimeter used to define the Stillwater Assessment Area. The red line shows city limits.*

## SUMMARY

The overall wildfire hazard rating for Stillwater, OK is moderate (overall weighted rating = 91), with sections of the city varying from a rating of very low risk to just below high risk (Figure 1). **A moderate wildfire hazard rating suggests that the chances of the majority of homes surviving a wildfire in the community are fair** (based on the Oklahoma Forestry Division's *Community Wildfire Hazard and Risk Assessment* form). Areas at greatest risk are located in the southwest and southeast portions of the assessment area. Ratings in those areas are higher due to limited emergency vehicle access into subdivisions, high densities of dead end roads or cul-de-sacs with inadequate turning space for emergency vehicles, numerous roads lined with highly flammable vegetation, housing developments located in areas of dense Eastern redcedar stands within an unmanaged crosstimbbers matrix, inadequate defensible space around houses, and the location of houses next to a large natural landscape with a high probability of wildfire occurrence. Alternatively, areas with the lowest wildfire hazard ratings were located in the interior of the city where subdivision designs provide greater sources of access for emergency vehicles and volatile fuels are noticeably reduced. The remaining areas, located on the outskirts of the city, are categorized as low risk but could be improved with greater subdivision access, improved defensible space around houses, and the reduction of volatile fuels along roadways.

The long-term wildfire hazard rating for Stillwater, OK, will change as a result of city expansion, the adoption of subdivisions and housing communities that were developed with less stringent county-level regulations than those at the city-level, and increases or decreases in volatile wildland fuels (e.g. eastern redcedar) at the wildland-urban interface as a result of fuels management (or lack there-of). In the current wildfire hazard assessment, many areas at greatest risk are located just outside city limits or where recent expansion of city limits have grandfathered-in subdivisions developed under county regulations. Considering that Stillwater is one of the fastest growing cities in Oklahoma, a major priority for this area is to improve county-level jurisdiction over subdivision development and access that correspond with the factors contributing to increases in community wildfire risk. Nevertheless, improvements in city-level jurisdiction over subdivision design and homeowner improvements in defensible space and other site hazard ratings would further reduce wildfire hazard ratings. An additional major priority for the long-term wildfire hazard rating of the Stillwater Assessment Area should be to increase fuels management at the wildland-urban interface of the city. Dense stands of cedar trees are located around the perimeter of the city (Figure 8), especially to the southwest, and many rangelands are currently experiencing the initial stages of cedar encroachment to the north and east. Reducing current densities of cedar and preventing increases in cedar in pasturelands and rangelands would reduce wildfire hazard ratings in many areas in this assessment and prevent increases in wildfire hazard ratings in the near future.

Supplemental information on the potential fire types, rates of fire spread, and flame lengths at the Stillwater wildland-urban interface is provided in Appendix I. Ratings from the actual assessment forms are presented for each assessment zone in Appendix III.

**APPENDIX I**  
**FIRE TYPE AND POTENTIAL SURFACE FIRE BEHAVIOR**

*Figure 16. Map of potential fire types at the wildland-urban interface for Stillwater, OK.*

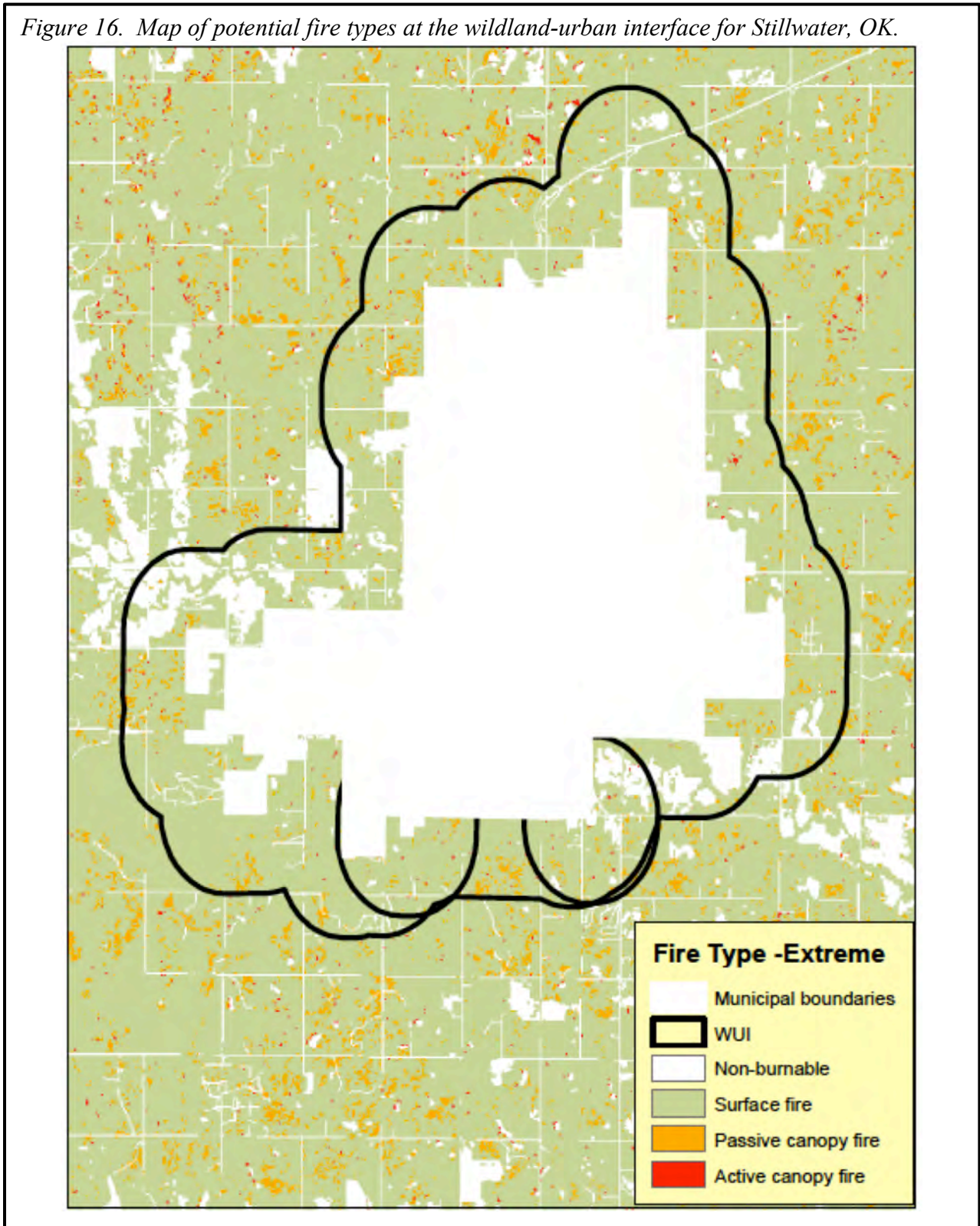


Figure 17. Map of potential surface fire flame lengths at the wildland-urban interface for Stillwater, OK. Note that the potential fire behavior does not include fuels contributing to crown fire flame lengths, so areas with high amounts of woody canopy cover and low amounts of understory fuels will underrepresent actual flame lengths.

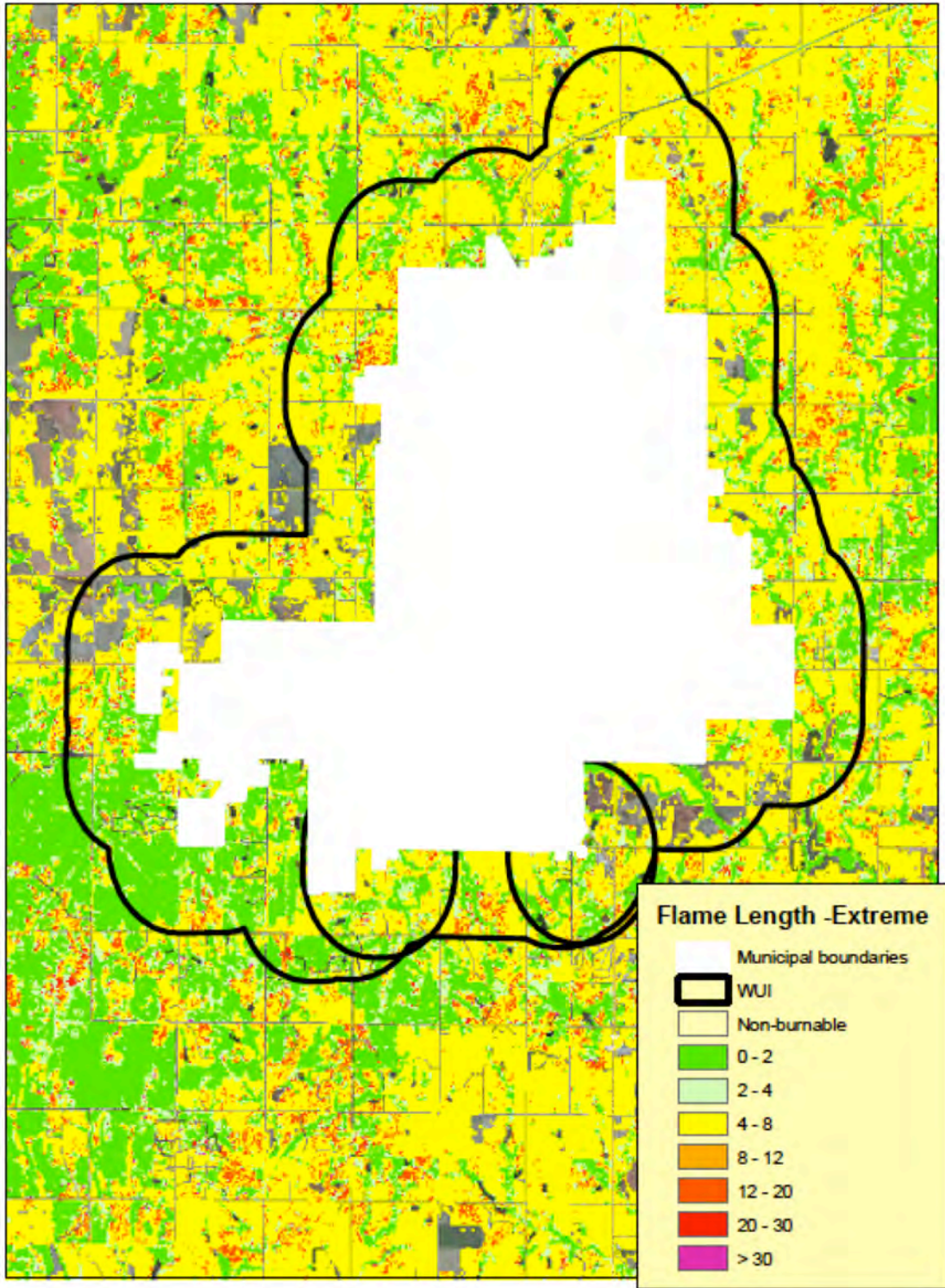
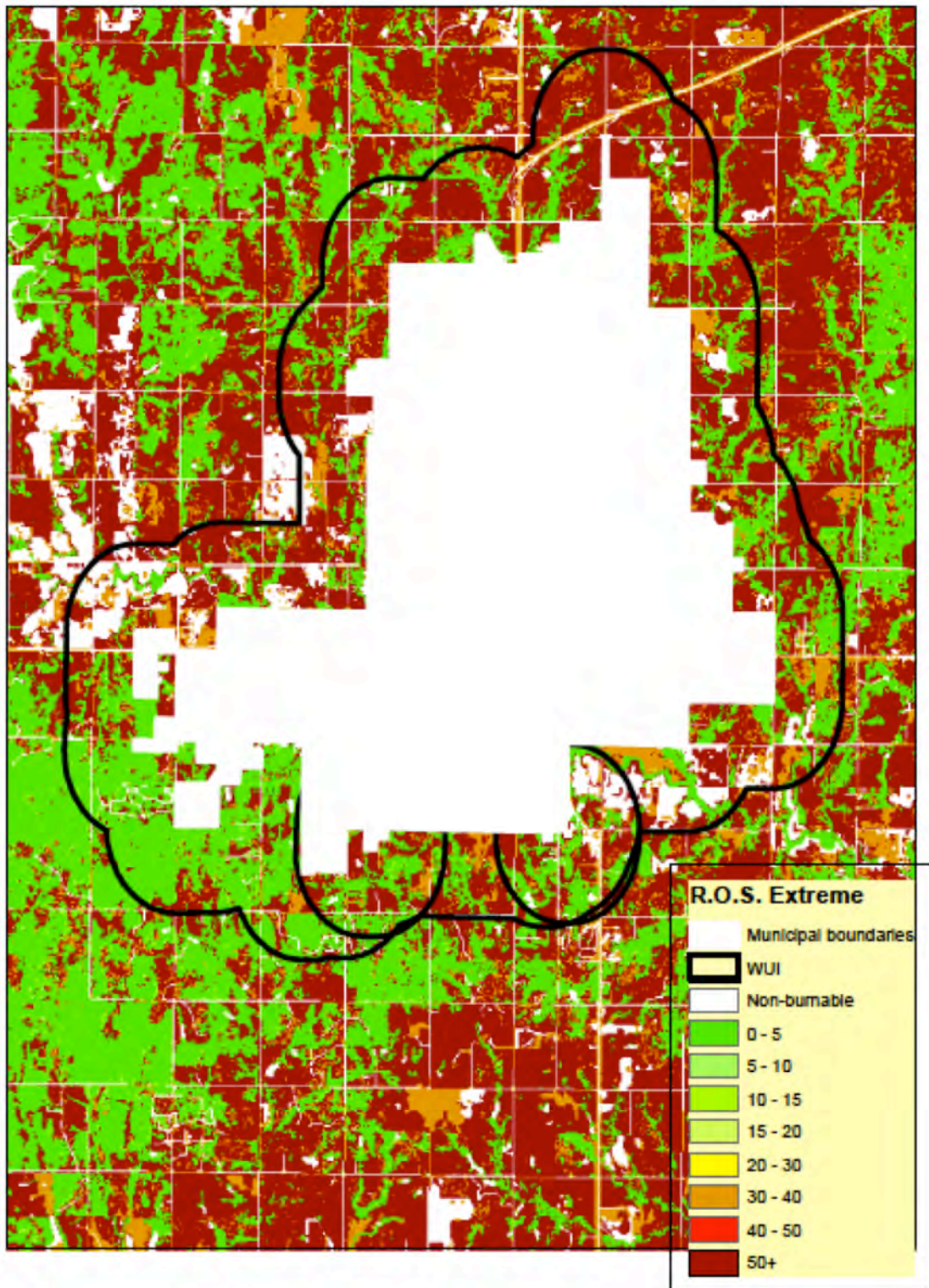


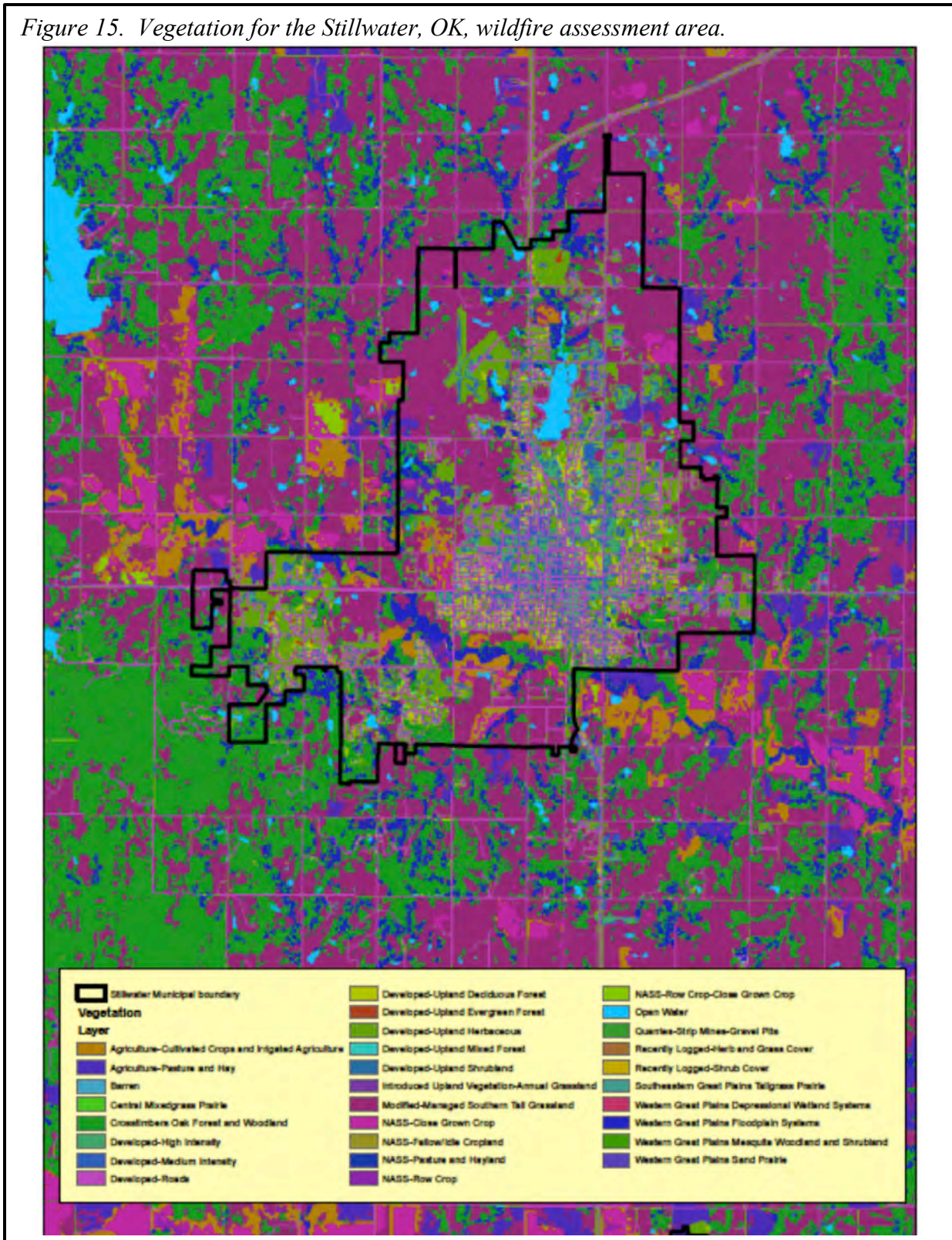


Figure 18. Map of potential surface fire rates of spread at the wildland-urban interface for Stillwater, OK. Note that the potential fire behavior does not include fuels contributing to crown fire spread, so areas with high amounts of woody canopy cover and low amounts of understory fuels will underrepresent actual spread rates.



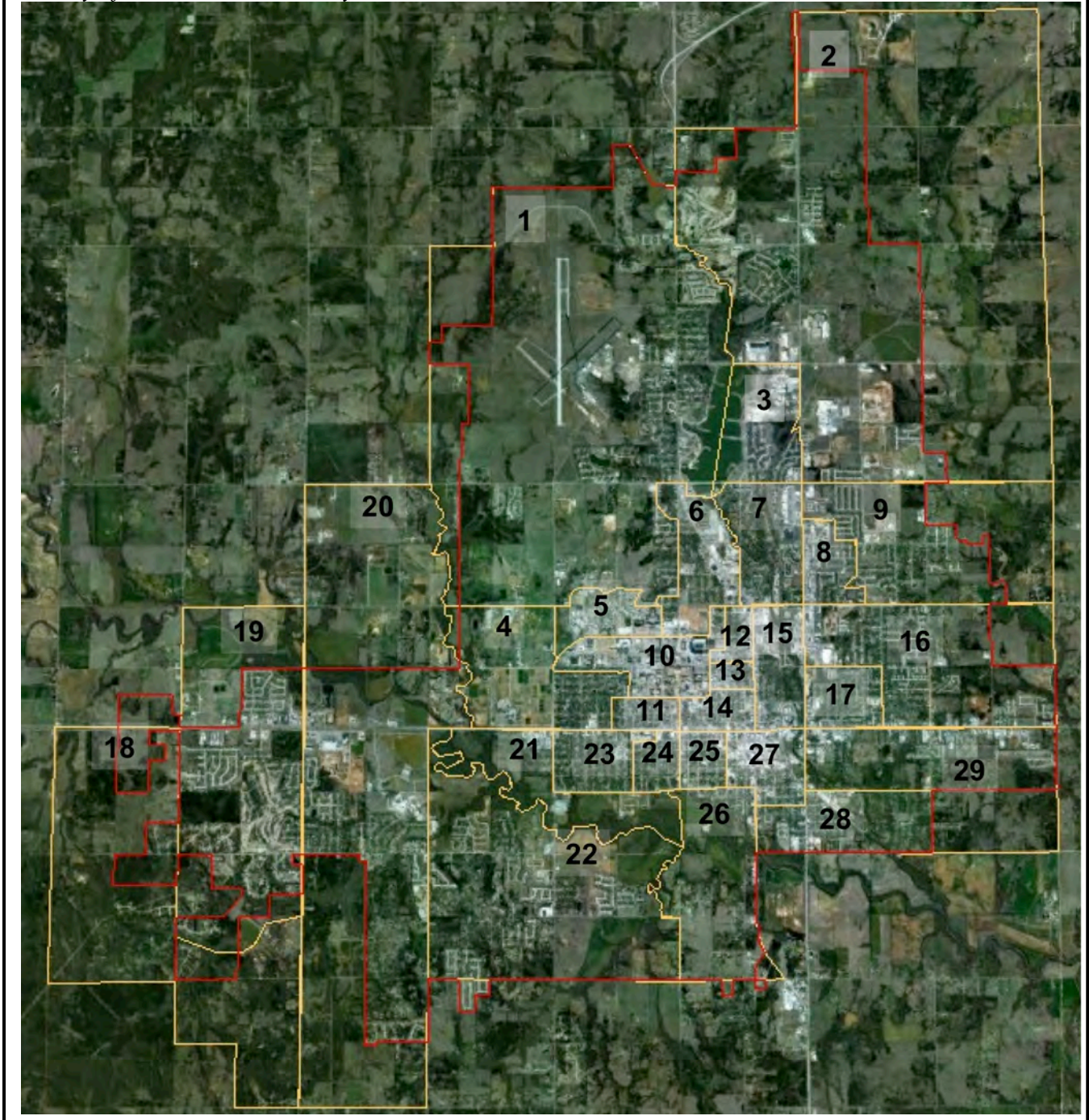
## APPENDIX II VEGETATION

Figure 15. Vegetation for the Stillwater, OK, wildfire assessment area.



**APPENDIX III**  
**COMMUNITY WILDFIRE RISK AND HAZARD ASSESSMENT FORMS**  
**FOR EACH ZONE IN STILLWATER, OK<sup>1</sup>**

*Figure 14. Map of the 29 assessment zones used to calculate the Wildfire Hazard Rating for Stillwater, OK. Assessment zones are labeled 1-20 and shown as yellow polygons. The city limit for the city of Stillwater is shown by the red line.*



<sup>1</sup>The number assigned to each assessment form (e.g. STW 1-29) corresponds with the assessment zone mapped in Figure 14.

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

STW 1

Forestry Office: \_\_\_\_\_  
 Community: Stillwater Zone #1 County: \_\_\_\_\_  
 Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
 Fire Department: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Acres: 4330 Lots: \_\_\_\_\_ Homes: 807 Future Homes \_\_\_\_\_

**CALCULATING THE WILDFIRE HAZARD RATING**

SUBDIVISION DESIGN HAZARD RATING	+ SITE HAZARD RATING	+ BUILDING CONSTRUCTION HAZARD RATING	+ ADDITIONAL FACTOR HAZARD RATING	= OVERALL WILDFIRE HAZARD RATING
17	20	10	33	80

SUBDIVISION DESIGN RATING		Rating	
<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	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-surface road, grade < 5%	2		
Non-surface 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	5	
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>			17

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

<b>SITE HAZARD RATING: (Within 30 feet of structure based on a majority of the properties in the community)</b>	<b>Rating</b>	
<b>DRIVEWAY CHARACTERISTICS</b>		
Less than 150 feet long	0	0
More than 150 ft with minimum 45 foot outside radius turnaround	3	
More than 150 ft with inadequate turnaround	5	
Average driveway width more than 12 ft	0	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 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 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 close to ground	5	0
Evergreen branches pruned up at least 6 ft	0	
<b>VEGETATION (predominant type throughout community)</b>		
Light (e.g. grasses and forbs) NFDRS Fuel Models A, C, L, N, S and T	5	5
Medium (e.g. light brush and small trees) NFDRS Fuel Models D, E, F, H, P, Q and U	10	
Heavy (e.g. dense brush, timber and hardwoods) NFDRS Fuel Models B, G and O	20	
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 100ft	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	0
50 to 75% of homes have a metal, tile or Class A shingles	10	
Less than 50% of homes have metal, tile or Class A shingles	15	
<b>SIDING / SOFFETS</b>		
Greater than 75% of homes have fire resistant siding and soffets	0	10
50 to 75% of homes have fire resistant siding and soffets	5	
Less than 50% of homes have fire resistant siding and soffets	10	
<b>UNDERSKIRTING</b>		
Greater than 75% of homes have the equivalent of fine mesh screening underneath	0	0
50 to 75% of the homes have the equivalent of fine mesh screening underneath	5	
Less than 50% of the homes have the equivalent of fine mesh screening underneath	10	
<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	0
Pressurized hydrants with < 500 gpm or spaced > 1,000 ft apart	2	
Dry hydrant(s) available year round within the community	2	
Other accessible sources within community	5	
Water sources located within 4 road miles of community	7	
No water sources within 4 miles of the community	15	
<b>UTILITIES</b>		
Both underground	0	3
One underground, one above ground	3	
Both aboveground	5	
<b>SURROUNDING ENVIRONMENT</b>		
Community is not surrounded by any large natural landscape	0	10
Large natural landscape adjoins one side of the community	5	
Large natural landscape adjoins two sides of the community	10	
Large natural landscape adjoins three sides of the community	15	
Community is completely surrounded by natural landscape	20	
<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	10
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	10
Medium	10	
High	20	
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>		<b>33</b>

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

STW 2

Forestry Office: \_\_\_\_\_

Community: Stillwater Zone #2 County: \_\_\_\_\_

Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

Fire Department: \_\_\_\_\_

Date: \_\_\_\_\_

Acres: 6165 Lots: \_\_\_\_\_ Homes: 778 Future Homes \_\_\_\_\_**CALCULATING THE WILDFIRE HAZARD RATING**

SUBDIVISION DESIGN HAZARD RATING	+ SITE HAZARD RATING	+ BUILDING CONSTRUCTION HAZARD RATING	+ ADDITIONAL FACTOR HAZARD RATING	= OVERALL WILDFIRE HAZARD RATING
19	21	10	38	88

SUBDIVISION DESIGN RATING	Rating	
<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	0
>20 ft and <24 ft	2	
<20 ft	4	
<b>ACCESSIBILITY</b>		
Surfaced road, grade < 5%	0	2
Surfaced road, grade > 5%	2	
Non-surface road, grade < 5%	2	
Non-surface 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	5
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>19</b>

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

<b>SITE HAZARD RATING: (Within 30 feet of structure based on a majority of the properties in the community)</b>	<b>Rating</b>	
<b>DRIVEWAY CHARACTERISTICS</b>		
Less than 150 feet long	0	0
More than 150 ft with minimum 45 foot outside radius turnaround	3	
More than 150 ft with inadequate turnaround	5	
Average driveway width more than 12 ft	0	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 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 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 close to ground	5	0
Evergreen branches pruned up at least 6 ft	0	
<b>VEGETATION (predominant type throughout community)</b>		
Light (e.g. grasses and forbs) NFDRS Fuel Models A, C, L, N, S and T	5	10
Medium (e.g. light brush and small trees) NFDRS Fuel Models D, E, F, H, P, Q and U	10	
Heavy (e.g. dense brush, timber and hardwoods) NFDRS Fuel Models B, G and O	20	
Slash (e.g. timber harvesting residue) NFDRS Fuel Models J, K and L	25	
<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 100ft	5	
<b>TOTAL SITE HAZARD RATING</b>		<b>21</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	0	
50 to 75% of homes have a metal, tile or Class A shingles	10		
Less than 50% of homes have metal, tile or Class A shingles	15		
<b>SIDING / SOFFETS</b>			
Greater than 75% of homes have fire resistant siding and soffets	0	10	
50 to 75% of homes have fire resistant siding and soffets	5		
Less than 50% of homes have fire resistant siding and soffets	10		
<b>UNDERSKIRTING</b>			
Greater than 75% of homes have the equivalent of fine mesh screening underneath	0	0	
50 to 75% of the homes have the equivalent of fine mesh screening underneath	5		
Less than 50% of the homes have the equivalent of fine mesh screening underneath	10		
<b>TOTAL BUILDING CONSTRUCTION HAZARD RATING</b>		10	

<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	0	
Pressurized hydrants with < 500 gpm or spaced > 1,000 ft apart	2		
Dry hydrant(s) available year round within the community	2		
Other accessible sources within community	5		
Water sources located within 4 road miles of community	7		
No water sources within 4 miles of the community	15		
<b>UTILITIES</b>			
Both underground	0	3	
One underground, one above ground	3		
Both aboveground	5		
<b>SURROUNDING ENVIRONMENT</b>			
Community is not surrounded by any large natural landscape	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		
<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	10	
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	10	
Medium	10		
High	20		
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>		38	

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

STW 3

Forestry Office: \_\_\_\_\_  
 Community: Stillwater Zone #3 County: \_\_\_\_\_  
 Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
 Fire Department: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Acres: 395 Lots: \_\_\_\_\_ Homes: 359 Future Homes \_\_\_\_\_

**CALCULATING THE WILDFIRE HAZARD RATING**

SUBDIVISION DESIGN HAZARD RATING	+ SITE HAZARD RATING	+ BUILDING CONSTRUCTION HAZARD RATING	+ ADDITIONAL FACTOR HAZARD RATING	= OVERALL WILDFIRE HAZARD RATING
7	16	10	16	49

SUBDIVISION DESIGN RATING	Rating	
<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	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-surface road, grade < 5%	2	
Non-surface 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>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 feet long	0	0
More than 150 ft with minimum 45 foot outside radius turnaround	3	
More than 150 ft with inadequate turnaround	5	
Average driveway width more than 12 ft	0	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 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 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 close to ground	5	0
Evergreen branches pruned up at least 6 ft	0	
<b>VEGETATION (predominant type throughout community)</b>		
Light (e.g. grasses and forbs) NFDRS Fuel Models A, C, L, N, S and T	5	5
Medium (e.g. light brush and small trees) NFDRS Fuel Models D, E, F, H, P, Q and U	10	
Heavy (e.g. dense brush, timber and hardwoods) NFDRS Fuel Models B, G and O	20	
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 100ft	5	
<b>TOTAL SITE HAZARD RATING</b>		<b>16</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	0	
50 to 75% of homes have a metal, tile or Class A shingles	10		
Less than 50% of homes have metal, tile or Class A shingles	15		
<b>SIDING / SOFFETS</b>			
Greater than 75% of homes have fire resistant siding and soffets	0	10	
50 to 75% of homes have fire resistant siding and soffets	5		
Less than 50% of homes have fire resistant siding and soffets	10		
<b>UNDERSKIRTING</b>			
Greater than 75% of homes have the equivalent of fine mesh screening underneath	0	0	
50 to 75% of the homes have the equivalent of fine mesh screening underneath	5		
Less than 50% of the homes have the equivalent of fine mesh screening underneath	10		
<b>TOTAL BUILDING CONSTRUCTION HAZARD RATING</b>		10	

<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	0	
Pressurized hydrants with < 500 gpm or spaced > 1,000 ft apart	2		
Dry hydrant(s) available year round within the community	2		
Other accessible sources within community	5		
Water sources located within 4 road miles of community	7		
No water sources within 4 miles of the community	15		
<b>UTILITIES</b>			
Both underground	0	3	
One underground, one above ground	3		
Both aboveground	5		
<b>SURROUNDING ENVIRONMENT</b>			
Community is not surrounded by any large natural landscape	0	0	
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	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		
<b>RISK LOCATION</b>			
Community is located within the following designated Wildfire Risk Areas according to the Southern Wildfire Risk Assessment			
Low	0	10	
Medium	10		
High	20		
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>		16	

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

STW 4

Forestry Office: \_\_\_\_\_  
 Community: Stillwater Zone #4 County: \_\_\_\_\_  
 Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
 Fire Department: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Acres: 640 Lots: \_\_\_\_\_ Homes: 573 Future Homes \_\_\_\_\_

**CALCULATING THE WILDFIRE HAZARD RATING**

SUBDIVISION DESIGN HAZARD RATING	+ SITE HAZARD RATING	+ BUILDING CONSTRUCTION HAZARD RATING	+ ADDITIONAL FACTOR HAZARD RATING	= OVERALL WILDFIRE HAZARD RATING
5	16	10	25	56

SUBDIVISION DESIGN RATING	Rating	
<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-surface road, grade < 5%	2	
Non-surface 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	0
Not present	5	
<b>TOTAL SUBDIVISION DESIGN</b>		<b>5</b>

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

<b>SITE HAZARD RATING: (Within 30 feet of structure based on a majority of the properties in the community)</b>	<b>Rating</b>	
<b>DRIVEWAY CHARACTERISTICS</b>		
Less than 150 feet long	0	0
More than 150 ft with minimum 45 foot outside radius turnaround	3	
More than 150 ft with inadequate turnaround	5	
Average driveway width more than 12 ft	0	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 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 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 close to ground	5	0
Evergreen branches pruned up at least 6 ft	0	
<b>VEGETATION (predominant type throughout community)</b>		
Light (e.g. grasses and forbs) NFDRS Fuel Models A, C, L, N, S and T	5	5
Medium (e.g. light brush and small trees) NFDRS Fuel Models D, E, F, H, P, Q and U	10	
Heavy (e.g. dense brush, timber and hardwoods) NFDRS Fuel Models B, G and O	20	
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 100ft	5	
<b>TOTAL SITE HAZARD RATING</b>		<b>16</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	0	
50 to 75% of homes have a metal, tile or Class A shingles	10		
Less than 50% of homes have metal, tile or Class A shingles	15		
<b>SIDING / SOFFETS</b>			
Greater than 75% of homes have fire resistant siding and soffets	0	10	
50 to 75% of homes have fire resistant siding and soffets	5		
Less than 50% of homes have fire resistant siding and soffets	10		
<b>UNDERSKIRTING</b>			
Greater than 75% of homes have the equivalent of fine mesh screening underneath	0	0	
50 to 75% of the homes have the equivalent of fine mesh screening underneath	5		
Less than 50% of the homes have the equivalent of fine mesh screening underneath	10		
<b>TOTAL BUILDING CONSTRUCTION HAZARD RATING</b>		10	

<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	0	
Pressurized hydrants with < 500 gpm or spaced > 1,000 ft apart	2		
Dry hydrant(s) available year round within the community	2		
Other accessible sources within community	5		
Water sources located within 4 road miles of community	7		
No water sources within 4 miles of the community	15		
<b>UTILITIES</b>			
Both underground	0	5	
One underground, one above ground	3		
Both aboveground	5		
<b>SURROUNDING ENVIRONMENT</b>			
Community is not surrounded by any large natural landscape	0	0	
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	10	
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	10	
Medium	10		
High	20		
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>		25	

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

STW 5

Forestry Office: \_\_\_\_\_  
 Community: **Stillwater Zone #5** County: \_\_\_\_\_  
 Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
 Fire Department: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Acres: **195** Lots: \_\_\_\_\_ Homes: **346** Future Homes \_\_\_\_\_

**CALCULATING THE WILDFIRE HAZARD RATING**

SUBDIVISION DESIGN HAZARD RATING	+ SITE HAZARD RATING	+ BUILDING CONSTRUCTION HAZARD RATING	+ ADDITIONAL FACTOR HAZARD RATING	= OVERALL WILDFIRE HAZARD RATING
0	6	0	25	31

SUBDIVISION DESIGN RATING	Rating	
<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-surface road, grade < 5%	2	
Non-surface 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>		0



**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 feet long	0	0
More than 150 ft with minimum 45 foot outside radius turnaround	3	
More than 150 ft with inadequate turnaround	5	
Average driveway width more than 12 ft	0	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 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 visible from road	5	
<b>DOMINANT TREES</b> (within 100 ft of homes)		
Deciduous	1	1
Mixed	5	
Evergreen	10	
<b>LADDER FUELS</b>		
Evergreen branches close to ground	5	0
Evergreen branches pruned up at least 6 ft	0	
<b>VEGETATION</b> (predominant type throughout community)		
Light (e.g. grasses and forbs) NFDRS Fuel Models A, C, L, N, S and T	5	5
Medium (e.g. light brush and small trees) NFDRS Fuel Models D, E, F, H, P, Q and U	10	
Heavy (e.g. dense brush, timber and hardwoods) NFDRS Fuel Models B, G and O	20	
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 100ft	5	
<b>TOTAL SITE HAZARD RATING</b>		<b>6</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	0	
50 to 75% of homes have a metal, tile or Class A shingles	10		
Less than 50% of homes have metal, tile or Class A shingles	15		
<b>SIDING / SOFFETS</b>			
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		
<b>UNDERSKIRTING</b>			
Greater than 75% of homes have the equivalent of fine mesh screening underneath	0	0	
50 to 75% of the homes have the equivalent of fine mesh screening underneath	5		
Less than 50% of the homes have the equivalent of fine mesh screening underneath	10		
<b>TOTAL BUILDING CONSTRUCTION HAZARD RATING</b>			0

<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	2	
Pressurized hydrants with < 500 gpm or spaced > 1,000 ft apart	2		
Dry hydrant(s) available year round within the community	2		
Other accessible sources within community	5		
Water sources located within 4 road miles of community	7		
No water sources within 4 miles of the community	15		
<b>UTILITIES</b>			
Both underground	0	5	
One underground, one above ground	3		
Both aboveground	5		
<b>SURROUNDING ENVIRONMENT</b>			
Community is not surrounded by any large natural landscape	0	5	
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	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		
<b>RISK LOCATION</b>			
Community is located within the following designated Wildfire Risk Areas according to the Southern Wildfire Risk Assessment			
Low	0	10	
Medium	10		
High	20		
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>			25

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

STW 6

Forestry Office: \_\_\_\_\_  
 Community: Stillwater Zone #6 County: \_\_\_\_\_  
 Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
 Fire Department: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Acres: 355 Lots: \_\_\_\_\_ Homes: 310 Future Homes \_\_\_\_\_

**CALCULATING THE WILDFIRE HAZARD RATING**

SUBDIVISION DESIGN HAZARD RATING	+ SITE HAZARD RATING	+ BUILDING CONSTRUCTION HAZARD RATING	+ ADDITIONAL FACTOR HAZARD RATING	= OVERALL WILDFIRE HAZARD RATING
4	21	10	25	60

SUBDIVISION DESIGN RATING	Rating	
<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-surface road, grade < 5%	2	
Non-surface 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>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 feet long	0	0
More than 150 ft with minimum 45 foot outside radius turnaround	3	
More than 150 ft with inadequate turnaround	5	
Average driveway width more than 12 ft	0	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 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 visible from road	5	
<b>DOMINANT TREES</b> (within 100 ft of homes)		
Deciduous	1	1
Mixed	5	
Evergreen	10	
<b>LADDER FUELS</b>		
Evergreen branches close to ground	5	0
Evergreen branches pruned up at least 6 ft	0	
<b>VEGETATION</b> (predominant type throughout community)		
Light (e.g. grasses and forbs) NFDRS Fuel Models A, C, L, N, S and T	5	10
Medium (e.g. light brush and small trees) NFDRS Fuel Models D, E, F, H, P, Q and U	10	
Heavy (e.g. dense brush, timber and hardwoods) NFDRS Fuel Models B, G and O	20	
Slash (e.g. timber harvesting residue) NFDRS Fuel Models J, K and L	25	
<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 100ft	5	
<b>TOTAL SITE HAZARD RATING</b>		<b>21</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	0	
50 to 75% of homes have a metal, tile or Class A shingles	10		
Less than 50% of homes have metal, tile or Class A shingles	15		
<b>SIDING / SOFFETS</b>			
Greater than 75% of homes have fire resistant siding and soffets	0	10	
50 to 75% of homes have fire resistant siding and soffets	5		
Less than 50% of homes have fire resistant siding and soffets	10		
<b>UNDERSKIRTING</b>			
Greater than 75% of homes have the equivalent of fine mesh screening underneath	0	0	
50 to 75% of the homes have the equivalent of fine mesh screening underneath	5		
Less than 50% of the homes have the equivalent of fine mesh screening underneath	10		
<b>TOTAL BUILDING CONSTRUCTION HAZARD RATING</b>			10

<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	0	
Pressurized hydrants with < 500 gpm or spaced > 1,000 ft apart	2		
Dry hydrant(s) available year round within the community	2		
Other accessible sources within community	5		
Water sources located within 4 road miles of community	7		
No water sources within 4 miles of the community	15		
<b>UTILITIES</b>			
Both underground	0	5	
One underground, one above ground	3		
Both aboveground	5		
<b>SURROUNDING ENVIRONMENT</b>			
Community is not surrounded by any large natural landscape	0	5	
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	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		
<b>RISK LOCATION</b>			
Community is located within the following designated Wildfire Risk Areas according to the Southern Wildfire Risk Assessment			
Low	0	10	
Medium	10		
High	20		
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>			25

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

STW 7

Forestry Office: \_\_\_\_\_  
 Community: **Stillwater Zone #7** County: \_\_\_\_\_  
 Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
 Fire Department: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Acres: **365** Lots: \_\_\_\_\_ Homes: **1127** Future Homes \_\_\_\_\_

**CALCULATING THE WILDFIRE HAZARD RATING**

SUBDIVISION DESIGN HAZARD RATING	+ SITE HAZARD RATING	+ BUILDING CONSTRUCTION HAZARD RATING	+ ADDITIONAL FACTOR HAZARD RATING	= OVERALL WILDFIRE HAZARD RATING
11	21	10	16	58

SUBDIVISION DESIGN RATING		Rating	
<b>ACCESS</b>			
Two or more roads	0		
One road, plus alternative	3		
One road in/out	7		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		
<20 ft	4		0
<b>ACCESSIBILITY</b>			
Surfaced road, grade < 5%	0		
Surfaced road, grade > 5%	2		
Non-surface road, grade < 5%	2		
Non-surface road, grade > 5%	5		
Other than all-season road	7		0
<b>SECONDARY ROAD TERMINUS</b>			
< 300 ft with turnaround	0		
> 300 ft with turnaround	2		
< 300 ft without turnaround	4		
> 300 ft without turnaround	5		4
<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		0
<b>TOTAL SUBDIVISION DESIGN</b>			<b>11</b>

**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	
<b>DRIVEWAY CHARACTERISTICS</b>		
Less than 150 feet long	0	0
More than 150 ft with minimum 45 foot outside radius turnaround	3	
More than 150 ft with inadequate turnaround	5	
Average driveway width more than 12 ft	0	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 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 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 close to ground	5	0
Evergreen branches pruned up at least 6 ft	0	
<b>VEGETATION (predominant type throughout community)</b>		
Light (e.g. grasses and forbs) NFDRS Fuel Models A, C, L, N, S and T	5	10
Medium (e.g. light brush and small trees) NFDRS Fuel Models D, E, F, H, P, Q and U	10	
Heavy (e.g. dense brush, timber and hardwoods) NFDRS Fuel Models B, G and O	20	
Slash (e.g. timber harvesting residue) NFDRS Fuel Models J, K and L	25	
<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 100ft	5	
<b>TOTAL SITE HAZARD RATING</b>		<b>21</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	0	
50 to 75% of homes have a metal, tile or Class A shingles	10		
Less than 50% of homes have metal, tile or Class A shingles	15		
<b>SIDING / SOFFETS</b>			
Greater than 75% of homes have fire resistant siding and soffets	0	10	
50 to 75% of homes have fire resistant siding and soffets	5		
Less than 50% of homes have fire resistant siding and soffets	10		
<b>UNDERSKIRTING</b>			
Greater than 75% of homes have the equivalent of fine mesh screening underneath	0	0	
50 to 75% of the homes have the equivalent of fine mesh screening underneath	5		
Less than 50% of the homes have the equivalent of fine mesh screening underneath	10		
<b>TOTAL BUILDING CONSTRUCTION HAZARD RATING</b>		10	

<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	0	
Pressurized hydrants with < 500 gpm or spaced > 1,000 ft apart	2		
Dry hydrant(s) available year round within the community	2		
Other accessible sources within community	5		
Water sources located within 4 road miles of community	7		
No water sources within 4 miles of the community	15		
<b>UTILITIES</b>			
Both underground	0	3	
One underground, one above ground	3		
Both aboveground	5		
<b>SURROUNDING ENVIRONMENT</b>			
Community is not surrounded by any large natural landscape	0	0	
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	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		
<b>RISK LOCATION</b>			
Community is located within the following designated Wildfire Risk Areas according to the Southern Wildfire Risk Assessment			
Low	0	10	
Medium	10		
High	20		
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>		16	



**OKLAHOMA FORESTRY DIVISION**  
**COMMUNITY WILDFIRE RISK AND HAZARD ASSESSMENT**    *STW 8*

Forestry Office: \_\_\_\_\_  
 Community: Stillwater Zone #8 County: \_\_\_\_\_  
 Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
 Fire Department: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Acres: 175 Lots: \_\_\_\_\_ Homes: 1070 Future Homes \_\_\_\_\_

**CALCULATING THE WILDFIRE HAZARD RATING**

SUBDIVISION DESIGN HAZARD RATING	+ SITE HAZARD RATING	+ BUILDING CONSTRUCTION HAZARD RATING	+ ADDITIONAL FACTOR HAZARD RATING	= OVERALL WILDFIRE HAZARD RATING
4	16	10	13	43

SUBDIVISION DESIGN RATING	Rating	
<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-surface road, grade < 5%	2	
Non-surface 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>4</b>

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

<b>SITE HAZARD RATING: (Within 30 feet of structure based on a majority of the properties in the community)</b>	<b>Rating</b>	
<b>DRIVEWAY CHARACTERISTICS</b>		
Less than 150 feet long	0	0
More than 150 ft with minimum 45 foot outside radius turnaround	3	
More than 150 ft with inadequate turnaround	5	
Average driveway width more than 12 ft	0	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 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 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 close to ground	5	0
Evergreen branches pruned up at least 6 ft	0	
<b>VEGETATION (predominant type throughout community)</b>		
Light (e.g. grasses and forbs) NFDRS Fuel Models A, C, L, N, S and T	5	5
Medium (e.g. light brush and small trees) NFDRS Fuel Models D, E, F, H, P, Q and U	10	
Heavy (e.g. dense brush, timber and hardwoods) NFDRS Fuel Models B, G and O	20	
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 100ft	5	
<b>TOTAL SITE HAZARD RATING</b>		<b>16</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	0	
50 to 75% of homes have a metal, tile or Class A shingles	10		
Less than 50% of homes have metal, tile or Class A shingles	15		
<b>SIDING / SOFFETS</b>			
Greater than 75% of homes have fire resistant siding and soffets	0	10	
50 to 75% of homes have fire resistant siding and soffets	5		
Less than 50% of homes have fire resistant siding and soffets	10		
<b>UNDERSKIRTING</b>			
Greater than 75% of homes have the equivalent of fine mesh screening underneath	0	0	
50 to 75% of the homes have the equivalent of fine mesh screening underneath	5		
Less than 50% of the homes have the equivalent of fine mesh screening underneath	10		
<b>TOTAL BUILDING CONTRUCTION HAZARD RATING</b>		10	

<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	0	
Pressurized hydrants with < 500 gpm or spaced > 1,000 ft apart	2		
Dry hydrant(s) available year round within the community	2		
Other accessible sources within community	5		
Water sources located within 4 road miles of community	7		
No water sources within 4 miles of the community	15		
<b>UTILITIES</b>			
Both underground	0	3	
One underground, one above ground	3		
Both aboveground	5		
<b>SURROUNDING ENVIRONMENT</b>			
Community is not surrounded by any large natural landscape	0	0	
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	0	
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	10	
Medium	10		
High	20		
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>		13	

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

STW 9

Forestry Office: \_\_\_\_\_

Community: Stillwater Zone #9 County: \_\_\_\_\_

Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

Fire Department: \_\_\_\_\_

Date: \_\_\_\_\_

Acres: 1100 Lots: \_\_\_\_\_ Homes: 1109 Future Homes \_\_\_\_\_**CALCULATING THE WILDFIRE HAZARD RATING**

SUBDIVISION DESIGN HAZARD RATING	+ SITE HAZARD RATING	+ BUILDING CONSTRUCTION HAZARD RATING	+ ADDITIONAL FACTOR HAZARD RATING	= OVERALL WILDFIRE HAZARD RATING
12	21	10	33	76

SUBDIVISION DESIGN RATING		Rating	
<b>ACCESS</b>			
Two or more roads	0		
One road, plus alternative	3		
One road in/out	7		3
<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		
<20 ft	4		0
<b>ACCESSIBILITY</b>			
Surfaced road, grade < 5%	0		
Surfaced road, grade > 5%	2		
Non-surface road, grade < 5%	2		
Non-surface road, grade > 5%	5		
Other than all-season road	7		0
<b>SECONDARY ROAD TERMINUS</b>			
< 300 ft with turnaround	0		
> 300 ft with turnaround	2		
< 300 ft without turnaround	4		
> 300 ft without turnaround	5		4
<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		0
<b>TOTAL SUBDIVISION DESIGN</b>			12

**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 feet long	0	0
More than 150 ft with minimum 45 foot outside radius turnaround	3	
More than 150 ft with inadequate turnaround	5	
Average driveway width more than 12 ft	0	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 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 visible from road	5	
<b>DOMINANT TREES</b> (within 100 ft of homes)		
Deciduous	1	1
Mixed	5	
Evergreen	10	
<b>LADDER FUELS</b>		
Evergreen branches close to ground	5	0
Evergreen branches pruned up at least 6 ft	0	
<b>VEGETATION</b> (predominant type throughout community)		
Light (e.g. grasses and forbs) NFDRS Fuel Models A, C, L, N, S and T	5	10
Medium (e.g. light brush and small trees) NFDRS Fuel Models D, E, F, H, P, Q and U	10	
Heavy (e.g. dense brush, timber and hardwoods) NFDRS Fuel Models B, G and O	20	
Slash (e.g. timber harvesting residue) NFDRS Fuel Models J, K and L	25	
<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 100ft	5	
<b>TOTAL SITE HAZARD RATING</b>		<b>21</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	0	
50 to 75% of homes have a metal, tile or Class A shingles	10		
Less than 50% of homes have metal, tile or Class A shingles	15		
<b>SIDING / SOFFETS</b>			
Greater than 75% of homes have fire resistant siding and soffets	0	10	
50 to 75% of homes have fire resistant siding and soffets	5		
Less than 50% of homes have fire resistant siding and soffets	10		
<b>UNDERSKIRTING</b>			
Greater than 75% of homes have the equivalent of fine mesh screening underneath	0	0	
50 to 75% of the homes have the equivalent of fine mesh screening underneath	5		
Less than 50% of the homes have the equivalent of fine mesh screening underneath	10		
<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	0	
Pressurized hydrants with < 500 gpm or spaced > 1,000 ft apart	2		
Dry hydrant(s) available year round within the community	2		
Other accessible sources within community	5		
Water sources located within 4 road miles of community	7		
No water sources within 4 miles of the community	15		
<b>UTILITIES</b>			
Both underground	0	3	
One underground, one above ground	3		
Both aboveground	5		
<b>SURROUNDING ENVIRONMENT</b>			
Community is not surrounded by any large natural landscape	0	10	
Large natural landscape adjoins one side of the community	5		
Large natural landscape adjoins two sides of the community	10		
Large natural landscape adjoins three sides of the community	15		
Community is completely surrounded by natural landscape	20		
<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	10	
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	10	
Medium	10		
High	20		
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>		<b>33</b>	

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

STW 10

Forestry Office: \_\_\_\_\_  
 Community: Stillwater Zone #10 County: \_\_\_\_\_  
 Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
 Fire Department: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Acres: 325 Lots: \_\_\_\_\_ Homes: 179 Future Homes \_\_\_\_\_

**CALCULATING THE WILDFIRE HAZARD RATING**

SUBDIVISION DESIGN HAZARD RATING	+ SITE HAZARD RATING	+ BUILDING CONSTRUCTION HAZARD RATING	+ ADDITIONAL FACTOR HAZARD RATING	= OVERALL WILDFIRE HAZARD RATING
0	11	0	17	28

SUBDIVISION DESIGN RATING	Rating	
<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-surface road, grade < 5%	2	
Non-surface 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>		0

**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	
<b>DRIVEWAY CHARACTERISTICS</b>		
Less than 150 feet long	0	0
More than 150 ft with minimum 45 foot outside radius turnaround	3	
More than 150 ft with inadequate turnaround	5	
Average driveway width more than 12 ft	0	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 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 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 close to ground	5	0
Evergreen branches pruned up at least 6 ft	0	
<b>VEGETATION (predominant type throughout community)</b>		
Light (e.g. grasses and forbs) NFDRS Fuel Models A, C, L, N, S and T	5	5
Medium (e.g. light brush and small trees) NFDRS Fuel Models D, E, F, H, P, Q and U	10	
Heavy (e.g. dense brush, timber and hardwoods) NFDRS Fuel Models B, G and O	20	
Slash (e.g. timber harvesting residue) NFDRS Fuel Models J, K and L	25	
	5	
<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 100ft	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	0	
50 to 75% of homes have a metal, tile or Class A shingles	10		
Less than 50% of homes have metal, tile or Class A shingles	15		
<b>SIDING / SOFFETS</b>			
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		
<b>UNDERSKIRTING</b>			
Greater than 75% of homes have the equivalent of fine mesh screening underneath	0	0	
50 to 75% of the homes have the equivalent of fine mesh screening underneath	5		
Less than 50% of the homes have the equivalent of fine mesh screening underneath	10		
<b>TOTAL BUILDING CONSTRUCTION HAZARD RATING</b>		0	

<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	2	
Pressurized hydrants with < 500 gpm or spaced > 1,000 ft apart	2		
Dry hydrant(s) available year round within the community	2		
Other accessible sources within community	5		
Water sources located within 4 road miles of community	7		
No water sources within 4 miles of the community	15		
<b>UTILITIES</b>			
Both underground	0	5	
One underground, one above ground	3		
Both aboveground	5		
<b>SURROUNDING ENVIRONMENT</b>			
Community is not surrounded by any large natural landscape	0	0	
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	0	
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	10	
Medium	10		
High	20		
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>		17	

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

STW 11

Forestry Office: \_\_\_\_\_  
 Community: Stillwater Zone #11 County: \_\_\_\_\_  
 Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
 Fire Department: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Acres: 90 Lots: \_\_\_\_\_ Homes: 380 Future Homes \_\_\_\_\_

**CALCULATING THE WILDFIRE HAZARD RATING**

SUBDIVISION DESIGN HAZARD RATING	+ SITE HAZARD RATING	+ BUILDING CONSTRUCTION HAZARD RATING	+ ADDITIONAL FACTOR HAZARD RATING	= OVERALL WILDFIRE HAZARD RATING
0	21	10	15	46

SUBDIVISION DESIGN RATING		Rating	
<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		
<20 ft	4		0
<b>ACCESSIBILITY</b>			
Surfaced road, grade < 5%	0		
Surfaced road, grade > 5%	2		
Non-surface road, grade < 5%	2		
Non-surface road, grade > 5%	5		0
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		
> 300 ft without turnaround	5		0
<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		0
<b>TOTAL SUBDIVISION DESIGN</b>			0

**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	
<b>DRIVEWAY CHARACTERISTICS</b>		
Less than 150 feet long	0	
More than 150 ft with minimum 45 foot outside radius turnaround	3	0
More than 150 ft with inadequate turnaround	5	
Average driveway width more than 12 ft	0	
Average driveway width less than 12 ft	5	0
No obstructing overhead branches below 15 ft	0	
Obstructing overhead branches below 15 ft	5	0
No bridges or bridges with no weight or width restrictions	0	
Bridges restricting emergency vehicle access	5	0
Slopes level or less than 10 %	0	
Slopes over 10%	5	0
No gate/non-locking gate	0	
Locked gate	5	0
Address clearly visible from road	0	
Address not visible from road	5	0
<b>DOMINANT TREES (within 100 ft of homes)</b>		
Deciduous	1	
Mixed	5	
Evergreen	10	1
<b>LADDER FUELS</b>		
Evergreen branches close to ground	5	
Evergreen branches pruned up at least 6 ft	0	0
<b>VEGETATION (predominant type throughout community)</b>		
Light (e.g. grasses and forbs) NFDRS Fuel Models A, C, L, N, S and T	5	
Medium (e.g. light brush and small trees) NFDRS Fuel Models D, E, F, H, P, Q and U	10	
Heavy (e.g. dense brush, timber and hardwoods) NFDRS Fuel Models B, G and O	20	10
Slash (e.g. timber harvesting residue) NFDRS Fuel Models J, K and L	25	
<b>SLOPE OF PROPERTY</b>		
Flat (0-5%)	0	
Moderate (6-20%)	2	
Steep (over 20%)	4	0
<b>DEFENSIBLE SPACE</b>		
No trees, shrubs or tall grass within 30 ft	0	
Well spaced trees and shrubs within 30 ft	10	
Touching crowns or tall grass within 30 ft	20	10
No unthinned or unmanaged timber within 100 ft	0	
Unthinned or unmanaged timber within 100ft	5	0
<b>TOTAL SITE HAZARD RATING</b>		<b>21</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	0	
50 to 75% of homes have a metal, tile or Class A shingles	10		
Less than 50% of homes have metal, tile or Class A shingles	15		
<b>SIDING / SOFFETS</b>			
Greater than 75% of homes have fire resistant siding and soffets	0	10	
50 to 75% of homes have fire resistant siding and soffets	5		
Less than 50% of homes have fire resistant siding and soffets	10		
<b>UNDERSKIRTING</b>			
Greater than 75% of homes have the equivalent of fine mesh screening underneath	0	0	
50 to 75% of the homes have the equivalent of fine mesh screening underneath	5		
Less than 50% of the homes have the equivalent of fine mesh screening underneath	10		
<b>TOTAL BUILDING CONSTRUCTION HAZARD RATING</b>		10	

<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	0	
Pressurized hydrants with < 500 gpm or spaced > 1,000 ft apart	2		
Dry hydrant(s) available year round within the community	2		
Other accessible sources within community	5		
Water sources located within 4 road miles of community	7		
No water sources within 4 miles of the community	15		
<b>UTILITIES</b>			
Both underground	0	5	
One underground, one above ground	3		
Both aboveground	5		
<b>SURROUNDING ENVIRONMENT</b>			
Community is not surrounded by any large natural landscape	0	0	
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	0	
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	10	
Medium	10		
High	20		
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>		15	

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

STW 12

Forestry Office: \_\_\_\_\_  
 Community: Stillwater Zone #12 County: \_\_\_\_\_  
 Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
 Fire Department: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Acres: 75 Lots: \_\_\_\_\_ Homes: 522 Future Homes \_\_\_\_\_

**CALCULATING THE WILDFIRE HAZARD RATING**

SUBDIVISION DESIGN HAZARD RATING	+ SITE HAZARD RATING	+ BUILDING CONSTRUCTION HAZARD RATING	+ ADDITIONAL FACTOR HAZARD RATING	= OVERALL WILDFIRE HAZARD RATING
0	21	10	15	46

SUBDIVISION DESIGN RATING	Rating	
<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-surface road, grade < 5%	2	
Non-surface 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>		0

**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	
<b>DRIVEWAY CHARACTERISTICS</b>		
Less than 150 feet long	0	0
More than 150 ft with minimum 45 foot outside radius turnaround	3	
More than 150 ft with inadequate turnaround	5	
Average driveway width more than 12 ft	0	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 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 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 close to ground	5	0
Evergreen branches pruned up at least 6 ft	0	
<b>VEGETATION (predominant type throughout community)</b>		
Light (e.g. grasses and forbs) NFDRS Fuel Models A, C, L, N, S and T	5	10
Medium (e.g. light brush and small trees) NFDRS Fuel Models D, E, F, H, P, Q and U	10	
Heavy (e.g. dense brush, timber and hardwoods) NFDRS Fuel Models B, G and O	20	
Slash (e.g. timber harvesting residue) NFDRS Fuel Models J, K and L	25	
	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 100ft	5	
<b>TOTAL SITE HAZARD RATING</b>		<b>21</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	0
50 to 75% of homes have a metal, tile or Class A shingles	10	
Less than 50% of homes have metal, tile or Class A shingles	15	
<b>SIDING / SOFFETS</b>		
Greater than 75% of homes have fire resistant siding and soffets	0	10
50 to 75% of homes have fire resistant siding and soffets	5	
Less than 50% of homes have fire resistant siding and soffets	10	
<b>UNDERSKIRTING</b>		
Greater than 75% of homes have the equivalent of fine mesh screening underneath	0	0
50 to 75% of the homes have the equivalent of fine mesh screening underneath	5	
Less than 50% of the homes have the equivalent of fine mesh screening underneath	10	
<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	0
Pressurized hydrants with < 500 gpm or spaced > 1,000 ft apart	2	
Dry hydrant(s) available year round within the community	2	
Other accessible sources within community	5	
Water sources located within 4 road miles of community	7	
No water sources within 4 miles of the community	15	
<b>UTILITIES</b>		
Both underground	0	5
One underground, one above ground	3	
Both aboveground	5	
<b>SURROUNDING ENVIRONMENT</b>		
Community is not surrounded by any large natural landscape	0	0
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	0
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	10
Medium	10	
High	20	
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>		<b>15</b>

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

STW 13

Forestry Office: \_\_\_\_\_  
 Community: Stillwater Zone #13 County: \_\_\_\_\_  
 Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
 Fire Department: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Acres: 50 Lots: \_\_\_\_\_ Homes: 980 Future Homes \_\_\_\_\_

**CALCULATING THE WILDFIRE HAZARD RATING**

SUBDIVISION DESIGN HAZARD RATING	+ SITE HAZARD RATING	+ BUILDING CONSTRUCTION HAZARD RATING	+ ADDITIONAL FACTOR HAZARD RATING	= OVERALL WILDFIRE HAZARD RATING
0	21	10	15	46

SUBDIVISION DESIGN RATING	Rating	
<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-surface road, grade < 5%	2	
Non-surface 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>		0



**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 feet long	0	0
More than 150 ft with minimum 45 foot outside radius turnaround	3	
More than 150 ft with inadequate turnaround	5	
Average driveway width more than 12 ft	0	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 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 visible from road	5	
<b>DOMINANT TREES</b> (within 100 ft of homes)		
Deciduous	1	1
Mixed	5	
Evergreen	10	
<b>LADDER FUELS</b>		
Evergreen branches close to ground	5	0
Evergreen branches pruned up at least 6 ft	0	
<b>VEGETATION</b> (predominant type throughout community)		
Light (e.g. grasses and forbs) NFDRS Fuel Models A, C, L, N, S and T	5	10
Medium (e.g. light brush and small trees) NFDRS Fuel Models D, E, F, H, P, Q and U	10	
Heavy (e.g. dense brush, timber and hardwoods) NFDRS Fuel Models B, G and O	20	
Slash (e.g. timber harvesting residue) NFDRS Fuel Models J, K and L	25	
<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 100ft	5	
<b>TOTAL SITE HAZARD RATING</b>		<b>21</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	0	
50 to 75% of homes have a metal, tile or Class A shingles	10		
Less than 50% of homes have metal, tile or Class A shingles	15		
<b>SIDING / SOFFETS</b>			
Greater than 75% of homes have fire resistant siding and soffets	0	10	
50 to 75% of homes have fire resistant siding and soffets	5		
Less than 50% of homes have fire resistant siding and soffets	10		
<b>UNDERSKIRTING</b>			
Greater than 75% of homes have the equivalent of fine mesh screening underneath	0	0	
50 to 75% of the homes have the equivalent of fine mesh screening underneath	5		
Less than 50% of the homes have the equivalent of fine mesh screening underneath	10		
<b>TOTAL BUILDING CONSTRUCTION HAZARD RATING</b>			10

<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	0	
Pressurized hydrants with < 500 gpm or spaced > 1,000 ft apart	2		
Dry hydrant(s) available year round within the community	2		
Other accessible sources within community	5		
Water sources located within 4 road miles of community	7		
No water sources within 4 miles of the community	15		
<b>UTILITIES</b>			
Both underground	0	5	
One underground, one above ground	3		
Both aboveground	5		
<b>SURROUNDING ENVIRONMENT</b>			
Community is not surrounded by any large natural landscape	0	0	
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	0	
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	10	
Medium	10		
High	20		
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>			15

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

STW 14

Forestry Office: \_\_\_\_\_  
 Community: Stillwater Zone #14 County: \_\_\_\_\_  
 Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
 Fire Department: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Acres: 120 Lots: \_\_\_\_\_ Homes: 731 Future Homes \_\_\_\_\_

**CALCULATING THE WILDFIRE HAZARD RATING**

SUBDIVISION DESIGN HAZARD RATING	+ SITE HAZARD RATING	+ BUILDING CONSTRUCTION HAZARD RATING	+ ADDITIONAL FACTOR HAZARD RATING	= OVERALL WILDFIRE HAZARD RATING
0	21	10	15	46

SUBDIVISION DESIGN RATING	Rating	
<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-surface road, grade < 5%	2	
Non-surface 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 flamable vegetation threat	0	0
Highly flamable 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>		0

**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 feet long	0	0
More than 150 ft with minimum 45 foot outside radius turnaround	3	
More than 150 ft with inadequate turnaround	5	
Average driveway width more than 12 ft	0	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 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 visible from road	5	
<b>DOMINANT TREES</b> (within 100 ft of homes)		
Deciduous	1	1
Mixed	5	
Evergreen	10	
<b>LADDER FUELS</b>		
Evergreen branches close to ground	5	0
Evergreen branches pruned up at least 6 ft	0	
<b>VEGETATION</b> (predominant type throughout community)		
Light (e.g. grasses and forbs) NFDRS Fuel Models A, C, L, N, S and T	5	10
Medium (e.g. light brush and small trees) NFDRS Fuel Models D, E, F, H, P, Q and U	10	
Heavy (e.g. dense brush, timber and hardwoods) NFDRS Fuel Models B, G and O	20	
Slash (e.g. timber harvesting residue) NFDRS Fuel Models J, K and L	25	
<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 100ft	5	
<b>TOTAL SITE HAZARD RATING</b>		<b>21</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	0	
50 to 75% of homes have a metal, tile or Class A shingles	10		
Less than 50% of homes have metal, tile or Class A shingles	15		
<b>SIDING / SOFFETS</b>			
Greater than 75% of homes have fire resistant siding and soffets	0	10	
50 to 75% of homes have fire resistant siding and soffets	5		
Less than 50% of homes have fire resistant siding and soffets	10		
<b>UNDERSKIRTING</b>			
Greater than 75% of homes have the equivalent of fine mesh screening underneath	0	0	
50 to 75% of the homes have the equivalent of fine mesh screening underneath	5		
Less than 50% of the homes have the equivalent of fine mesh screening underneath	10		
<b>TOTAL BUILDING CONSTRUCTION HAZARD RATING</b>			10

<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	0	
Pressurized hydrants with < 500 gpm or spaced > 1,000 ft apart	2		
Dry hydrant(s) available year round within the community	2		
Other accessible sources within community	5		
Water sources located within 4 road miles of community	7		
No water sources within 4 miles of the community	15		
<b>UTILITIES</b>			
Both underground	0	5	
One underground, one above ground	3		
Both aboveground	5		
<b>SURROUNDING ENVIRONMENT</b>			
Community is not surrounded by any large natural landscape	0	0	
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	0	
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	10	
Medium	10		
High	20		
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>			15

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

STW 15

Forestry Office: \_\_\_\_\_  
 Community: Stillwater Zone #15 County: \_\_\_\_\_  
 Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
 Fire Department: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Acres: 260 Lots: \_\_\_\_\_ Homes: 715 Future Homes \_\_\_\_\_

**CALCULATING THE WILDFIRE HAZARD RATING**

SUBDIVISION DESIGN HAZARD RATING	+ SITE HAZARD RATING	+ BUILDING CONSTRUCTION HAZARD RATING	+ ADDITIONAL FACTOR HAZARD RATING	= OVERALL WILDFIRE HAZARD RATING
7	16	10	16	49

SUBDIVISION DESIGN RATING	Rating	
<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-surface road, grade < 5%	2	
Non-surface 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>		7

**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	
<b>DRIVEWAY CHARACTERISTICS</b>		
Less than 150 feet long	0	
More than 150 ft with minimum 45 foot outside radius turnaround	3	0
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 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 visible from road	5	
<b>DOMINANT TREES (within 100 ft of homes)</b>		
Deciduous	1	
Mixed	5	
Evergreen	10	1
<b>LADDER FUELS</b>		
Evergreen branches close to ground	5	
Evergreen branches pruned up at least 6 ft	0	0
<b>VEGETATION (predominant type throughout community)</b>		
Light (e.g. grasses and forbs) NFDRS Fuel Models A, C, L, N, S and T	5	
Medium (e.g. light brush and small trees) NFDRS Fuel Models D, E, F, H, P, Q and U	10	
Heavy (e.g. dense brush, timber and hardwoods) NFDRS Fuel Models B, G and O	20	5
Slash (e.g. timber harvesting residue) NFDRS Fuel Models J, K and L	25	
<b>SLOPE OF PROPERTY</b>		
Flat (0-5%)	0	
Moderate (6-20%)	2	0
Steep (over 20%)	4	
<b>DEFENSIBLE SPACE</b>		
No trees, shrubs or tall grass within 30 ft	0	
Well spaced trees and shrubs within 30 ft	10	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 100ft	5	
<b>TOTAL SITE HAZARD RATING</b>		<b>16</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	0	
50 to 75% of homes have a metal, tile or Class A shingles	10		
Less than 50% of homes have metal, tile or Class A shingles	15		
<b>SIDING / SOFFETS</b>			
Greater than 75% of homes have fire resistant siding and soffets	0	10	
50 to 75% of homes have fire resistant siding and soffets	5		
Less than 50% of homes have fire resistant siding and soffets	10		
<b>UNDERSKIRTING</b>			
Greater than 75% of homes have the equivalent of fine mesh screening underneath	0	0	
50 to 75% of the homes have the equivalent of fine mesh screening underneath	5		
Less than 50% of the homes have the equivalent of fine mesh screening underneath	10		
<b>TOTAL BUILDING CONSTRUCTION HAZARD RATING</b>		10	

<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	0	
Pressurized hydrants with < 500 gpm or spaced > 1,000 ft apart	2		
Dry hydrant(s) available year round within the community	2		
Other accessible sources within community	5		
Water sources located within 4 road miles of community	7		
No water sources within 4 miles of the community	15		
<b>UTILITIES</b>			
Both underground	0	3	
One underground, one above ground	3		
Both aboveground	5		
<b>SURROUNDING ENVIRONMENT</b>			
Community is not surrounded by any large natural landscape	0	0	
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	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		
<b>RISK LOCATION</b>			
Community is located within the following designated Wildfire Risk Areas according to the Southern Wildfire Risk Assessment			
Low	0	10	
Medium	10		
High	20		
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>		16	



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

STW 16

Forestry Office: \_\_\_\_\_  
 Community: Stillwater Zone #16 County: \_\_\_\_\_  
 Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
 Fire Department: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Acres: 1080 Lots: \_\_\_\_\_ Homes: 1054 Future Homes \_\_\_\_\_

**CALCULATING THE WILDFIRE HAZARD RATING**

SUBDIVISION DESIGN HAZARD RATING	+ SITE HAZARD RATING	+ BUILDING CONSTRUCTION HAZARD RATING	+ ADDITIONAL FACTOR HAZARD RATING	= OVERALL WILDFIRE HAZARD RATING
17	10	10	23	60

SUBDIVISION DESIGN RATING	Rating	
<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	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-surface road, grade < 5%	2	
Non-surface 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	5
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>17</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 feet long	0	0
More than 150 ft with minimum 45 foot outside radius turnaround	3	
More than 150 ft with inadequate turnaround	5	
Average driveway width more than 12 ft	0	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 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 visible from road	5	
<b>DOMINANT TREES</b> (within 100 ft of homes)		
Deciduous	1	5
Mixed	5	
Evergreen	10	
<b>LADDER FUELS</b>		
Evergreen branches close to ground	5	0
Evergreen branches pruned up at least 6 ft	0	
<b>VEGETATION</b> (predominant type throughout community)		
Light (e.g. grasses and forbs) NFDRS Fuel Models A, C, L, N, S and T	5	5
Medium (e.g. light brush and small trees) NFDRS Fuel Models D, E, F, H, P, Q and U	10	
Heavy (e.g. dense brush, timber and hardwoods) NFDRS Fuel Models B, G and O	20	
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 100ft	5	
<b>TOTAL SITE HAZARD RATING</b>		<b>10</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	0	
50 to 75% of homes have a metal, tile or Class A shingles	10		
Less than 50% of homes have metal, tile or Class A shingles	15		
<b>SIDING / SOFFETS</b>			
Greater than 75% of homes have fire resistant siding and soffets	0	10	
50 to 75% of homes have fire resistant siding and soffets	5		
Less than 50% of homes have fire resistant siding and soffets	10		
<b>UNDERSKIRTING</b>			
Greater than 75% of homes have the equivalent of fine mesh screening underneath	0	0	
50 to 75% of the homes have the equivalent of fine mesh screening underneath	5		
Less than 50% of the homes have the equivalent of fine mesh screening underneath	10		
<b>TOTAL BUILDING CONSTRUCTION HAZARD RATING</b>		10	

<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	0	
Pressurized hydrants with < 500 gpm or spaced > 1,000 ft apart	2		
Dry hydrant(s) available year round within the community	2		
Other accessible sources within community	5		
Water sources located within 4 road miles of community	7		
No water sources within 4 miles of the community	15		
<b>UTILITIES</b>			
Both underground	0	3	
One underground, one above ground	3		
Both aboveground	5		
<b>SURROUNDING ENVIRONMENT</b>			
Community is not surrounded by any large natural landscape	0	5	
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	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		
<b>RISK LOCATION</b>			
Community is located within the following designated Wildfire Risk Areas according to the Southern Wildfire Risk Assessment			
Low	0	10	
Medium	10		
High	20		
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>		23	

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

STW 17

Forestry Office: \_\_\_\_\_  
 Community: Stillwater Zone #17 County: \_\_\_\_\_  
 Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
 Fire Department: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Acres: 195 Lots: \_\_\_\_\_ Homes: 811 Future Homes \_\_\_\_\_

**CALCULATING THE WILDFIRE HAZARD RATING**

SUBDIVISION DESIGN HAZARD RATING	+ SITE HAZARD RATING	+ BUILDING CONSTRUCTION HAZARD RATING	+ ADDITIONAL FACTOR HAZARD RATING	= OVERALL WILDFIRE HAZARD RATING
4	20	10	18	52

SUBDIVISION DESIGN RATING	Rating	
<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-surface road, grade < 5%	2	0
Non-surface 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	4
> 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	0
<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 feet long	0	0
More than 150 ft with minimum 45 foot outside radius turnaround	3	
More than 150 ft with inadequate turnaround	5	
Average driveway width more than 12 ft	0	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 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 visible from road	5	
<b>DOMINANT TREES</b> (within 100 ft of homes)		
Deciduous	1	0
Mixed	5	
Evergreen	10	
<b>LADDER FUELS</b>		
Evergreen branches close to ground	5	0
Evergreen branches pruned up at least 6 ft	0	
<b>VEGETATION</b> (predominant type throughout community)		
Light (e.g. grasses and forbs) NFDRS Fuel Models A, C, L, N, S and T	5	10
Medium (e.g. light brush and small trees) NFDRS Fuel Models D, E, F, H, P, Q and U	10	
Heavy (e.g. dense brush, timber and hardwoods) NFDRS Fuel Models B, G and O	20	
Slash (e.g. timber harvesting residue) NFDRS Fuel Models J, K and L	25	
<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 100ft	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	0	
50 to 75% of homes have a metal, tile or Class A shingles	10		
Less than 50% of homes have metal, tile or Class A shingles	15		
<b>SIDING / SOFFETS</b>			
Greater than 75% of homes have fire resistant siding and soffets	0	10	
50 to 75% of homes have fire resistant siding and soffets	5		
Less than 50% of homes have fire resistant siding and soffets	10		
<b>UNDERSKIRTING</b>			
Greater than 75% of homes have the equivalent of fine mesh screening underneath	0	0	
50 to 75% of the homes have the equivalent of fine mesh screening underneath	5		
Less than 50% of the homes have the equivalent of fine mesh screening underneath	10		
<b>TOTAL BUILDING CONSTRUCTION HAZARD RATING</b>			10

<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	0	
Pressurized hydrants with < 500 gpm or spaced > 1,000 ft apart	2		
Dry hydrant(s) available year round within the community	2		
Other accessible sources within community	5		
Water sources located within 4 road miles of community	7		
No water sources within 4 miles of the community	15		
<b>UTILITIES</b>			
Both underground	0	5	
One underground, one above ground	3		
Both aboveground	5		
<b>SURROUNDING ENVIRONMENT</b>			
Community is not surrounded by any large natural landscape	0	0	
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	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		
<b>RISK LOCATION</b>			
Community is located within the following designated Wildfire Risk Areas according to the Southern Wildfire Risk Assessment			
Low	0	10	
Medium	10		
High	20		
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>			18

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

STW 18

Forestry Office: \_\_\_\_\_

Community: Stillwater Zone #18 County: \_\_\_\_\_

Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

Fire Department: \_\_\_\_\_

Date: \_\_\_\_\_

Acres: 2000 Lots: \_\_\_\_\_ Homes: ~300 Future Homes \_\_\_\_\_**CALCULATING THE WILDFIRE HAZARD RATING**

SUBDIVISION DESIGN HAZARD RATING	+ SITE HAZARD RATING	+ BUILDING CONSTRUCTION HAZARD RATING	+ ADDITIONAL FACTOR HAZARD RATING	= OVERALL WILDFIRE HAZARD RATING
23	70	10	40	143

SUBDIVISION DESIGN RATING	Rating	
<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	4
>20 ft and <24 ft	2	
<20 ft	4	
<b>ACCESSIBILITY</b>		
Surfaced road, grade < 5%	0	2
Surfaced road, grade > 5%	2	
Non-surface road, grade < 5%	2	
Non-surface 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	5
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>23</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 feet long	0	5
More than 150 ft with minimum 45 foot outside radius turnaround	3	
More than 150 ft with inadequate turnaround	5	
Average driveway width more than 12 ft	0	5
Average driveway width less than 12 ft	5	
No obstructing overhead branches below 15 ft	0	5
Obstructing overhead branches below 15 ft	5	
No bridges or bridges with no weight or width restrictions	0	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 visible from road	5	
<b>DOMINANT TREES</b> (within 100 ft of homes)		
Deciduous	1	5
Mixed	5	
Evergreen	10	
<b>LADDER FUELS</b>		
Evergreen branches close to ground	5	5
Evergreen branches pruned up at least 6 ft	0	
<b>VEGETATION</b> (predominant type throughout community)		
Light (e.g. grasses and forbs) NFDRS Fuel Models A, C, L, N, S and T	5	20
Medium (e.g. light brush and small trees) NFDRS Fuel Models D, E, F, H, P, Q and U	10	
Heavy (e.g. dense brush, timber and hardwoods) NFDRS Fuel Models B, G and O	20	
Slash (e.g. timber harvesting residue) NFDRS Fuel Models J, K and L	25	
<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 100ft	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	0	
50 to 75% of homes have a metal, tile or Class A shingles	10		
Less than 50% of homes have metal, tile or Class A shingles	15		
<b>SIDING / SOFFETS</b>			
Greater than 75% of homes have fire resistant siding and soffets	0	10	
50 to 75% of homes have fire resistant siding and soffets	5		
Less than 50% of homes have fire resistant siding and soffets	10		
<b>UNDERSKIRTING</b>			
Greater than 75% of homes have the equivalent of fine mesh screening underneath	0	0	
50 to 75% of the homes have the equivalent of fine mesh screening underneath	5		
Less than 50% of the homes have the equivalent of fine mesh screening underneath	10		
<b>TOTAL BUILDING CONSTRUCTION HAZARD RATING</b>		10	

<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	2	
Pressurized hydrants with < 500 gpm or spaced > 1,000 ft apart	2-		
Dry hydrant(s) available year round within the community	2		
Other accessible sources within community	5		
Water sources located within 4 road miles of community	7		
No water sources within 4 miles of the community	15		
<b>UTILITIES</b>			
Both underground	0	3	
One underground, one above ground	3		
Both aboveground	5		
<b>SURROUNDING ENVIRONMENT</b>			
Community is not surrounded by any large natural landscape	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		
<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	10	
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	10	
Medium	10		
High	20		
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>		40	

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

STW 19

Forestry Office: \_\_\_\_\_  
 Community: Stillwater Zone #19 County: \_\_\_\_\_  
 Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
 Fire Department: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Acres: 1670 Lots: \_\_\_\_\_ Homes: 1466 Future Homes \_\_\_\_\_

**CALCULATING THE WILDFIRE HAZARD RATING**

SUBDIVISION DESIGN HAZARD RATING	+ SITE HAZARD RATING	+ BUILDING CONSTRUCTION HAZARD RATING	+ ADDITIONAL FACTOR HAZARD RATING	= OVERALL WILDFIRE HAZARD RATING
17	45	15	28	105

SUBDIVISION DESIGN RATING	Rating	
<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	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-surface road, grade < 5%	2	
Non-surface 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	5
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>17</b>

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

<b>SITE HAZARD RATING: (Within 30 feet of structure based on a majority of the properties in the community)</b>	<b>Rating</b>	
<b>DRIVEWAY CHARACTERISTICS</b>		
Less than 150 feet long	0	0
More than 150 ft with minimum 45 foot outside radius turnaround	3	
More than 150 ft with inadequate turnaround	5	
Average driveway width more than 12 ft	0	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 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 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 close to ground	5	5
Evergreen branches pruned up at least 6 ft	0	
<b>VEGETATION (predominant type throughout community)</b>		
Light (e.g. grasses and forbs) NFDRS Fuel Models A, C, L, N, S and T	5	20
Medium (e.g. light brush and small trees) NFDRS Fuel Models D, E, F, H, P, Q and U	10	
Heavy (e.g. dense brush, timber and hardwoods) NFDRS Fuel Models B, G and O	20	
Slash (e.g. timber harvesting residue) NFDRS Fuel Models J, K and L	25	
<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	5
Unthinned or unmanaged timber within 100ft	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	0	
50 to 75% of homes have a metal, tile or Class A shingles	10		
Less than 50% of homes have metal, tile or Class A shingles	15		
<b>SIDING / SOFFETS</b>			
Greater than 75% of homes have fire resistant siding and soffets	0	10	
50 to 75% of homes have fire resistant siding and soffets	5		
Less than 50% of homes have fire resistant siding and soffets	10		
<b>UNDERSKIRTING</b>			
Greater than 75% of homes have the equivalent of fine mesh screening underneath	0	5	
50 to 75% of the homes have the equivalent of fine mesh screening underneath	5		
Less than 50% of the homes have the equivalent of fine mesh screening underneath	10		
<b>TOTAL BUILDING CONSTRUCTION HAZARD RATING</b>		<b>15</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	0	
Pressurized hydrants with < 500 gpm or spaced > 1,000 ft apart	2		
Dry hydrant(s) available year round within the community	2		
Other accessible sources within community	5		
Water sources located within 4 road miles of community	7		
No water sources within 4 miles of the community	15		
<b>UTILITIES</b>			
Both underground	0	3	
One underground, one above ground	3		
Both aboveground	5		
<b>SURROUNDING ENVIRONMENT</b>			
Community is not surrounded by any large natural landscape	0	10	
Large natural landscape adjoins one side of the community	5		
Large natural landscape adjoins two sides of the community	10		
Large natural landscape adjoins three sides of the community	15		
Community is completely surrounded by natural landscape	20		
<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	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		
<b>RISK LOCATION</b>			
Community is located within the following designated Wildfire Risk Areas according to the Southern Wildfire Risk Assessment			
Low	0	10	
Medium	10		
High	20		
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>		<b>28</b>	

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

STW 20

Forestry Office: \_\_\_\_\_  
 Community: Stillwater Zone #20 County: \_\_\_\_\_  
 Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
 Fire Department: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Acres: 3420 Lots: \_\_\_\_\_ Homes: 1114 Future Homes \_\_\_\_\_

**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	50	15	35	124

SUBDIVISION DESIGN RATING	Rating	
<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	5
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-surface road, grade < 5%	2	
Non-surface 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	5
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>24</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 feet long	0	0
More than 150 ft with minimum 45 foot outside radius turnaround	3	
More than 150 ft with inadequate turnaround	5	
Average driveway width more than 12 ft	0	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 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 visible from road	5	
<b>DOMINANT TREES</b> (within 100 ft of homes)		
Deciduous	1	5
Mixed	5	
Evergreen	10	
<b>LADDER FUELS</b>		
Evergreen branches close to ground	5	0
Evergreen branches pruned up at least 6 ft	0	
<b>VEGETATION</b> (predominant type throughout community)		
Light (e.g. grasses and forbs) NFDRS Fuel Models A, C, L, N, S and T	5	20
Medium (e.g. light brush and small trees) NFDRS Fuel Models D, E, F, H, P, Q and U	10	
Heavy (e.g. dense brush, timber and hardwoods) NFDRS Fuel Models B, G and O	20	
Slash (e.g. timber harvesting residue) NFDRS Fuel Models J, K and L	25	
<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 100ft	5	
<b>TOTAL SITE HAZARD RATING</b>		<b>50</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	0	
50 to 75% of homes have a metal, tile or Class A shingles	10		
Less than 50% of homes have metal, tile or Class A shingles	15		
<b>SIDING / SOFFETS</b>			
Greater than 75% of homes have fire resistant siding and soffets	0	10	
50 to 75% of homes have fire resistant siding and soffets	5		
Less than 50% of homes have fire resistant siding and soffets	10		
<b>UNDERSKIRTING</b>			
Greater than 75% of homes have the equivalent of fine mesh screening underneath	0	5	
50 to 75% of the homes have the equivalent of fine mesh screening underneath	5		
Less than 50% of the homes have the equivalent of fine mesh screening underneath	10		
<b>TOTAL BUILDING CONSTRUCTION HAZARD RATING</b>		<b>15</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	2	
Pressurized hydrants with < 500 gpm or spaced > 1,000 ft apart	2		
Dry hydrant(s) available year round within the community	2		
Other accessible sources within community	5		
Water sources located within 4 road miles of community	7		
No water sources within 4 miles of the community	15		
<b>UTILITIES</b>			
Both underground	0	3	
One underground, one above ground	3		
Both aboveground	5		
<b>SURROUNDING ENVIRONMENT</b>			
Community is not surrounded by any large natural landscape	0	10	
Large natural landscape adjoins one side of the community	5		
Large natural landscape adjoins two sides of the community	10		
Large natural landscape adjoins three sides of the community	15		
Community is completely surrounded by natural landscape	20		
<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	10	
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	10	
Medium	10		
High	20		
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>		<b>35</b>	

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

STW 21

Forestry Office: \_\_\_\_\_  
 Community: Stillwater Zone #21 County: \_\_\_\_\_  
 Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
 Fire Department: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Acres: 450 Lots: \_\_\_\_\_ Homes: 416 Future Homes \_\_\_\_\_

**CALCULATING THE WILDFIRE HAZARD RATING**

SUBDIVISION DESIGN HAZARD RATING	+ SITE HAZARD RATING	+ BUILDING CONSTRUCTION HAZARD RATING	+ ADDITIONAL FACTOR HAZARD RATING	= OVERALL WILDFIRE HAZARD RATING
13	41	10	25	89

SUBDIVISION DESIGN RATING	Rating	
<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	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-surface road, grade < 5%	2	
Non-surface 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	5
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: (Within 30 feet of structure based on a majority of the properties in the community)</b>	<b>Rating</b>	
<b>DRIVEWAY CHARACTERISTICS</b>		
Less than 150 feet long	0	0
More than 150 ft with minimum 45 foot outside radius turnaround	3	
More than 150 ft with inadequate turnaround	5	
Average driveway width more than 12 ft	0	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 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 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 close to ground	5	0
Evergreen branches pruned up at least 6 ft	0	
<b>VEGETATION (predominant type throughout community)</b>		
Light (e.g. grasses and forbs) NFDRS Fuel Models A, C, L, N, S and T	5	20
Medium (e.g. light brush and small trees) NFDRS Fuel Models D, E, F, H, P, Q and U	10	
Heavy (e.g. dense brush, timber and hardwoods) NFDRS Fuel Models B, G and O	20	
Slash (e.g. timber harvesting residue) NFDRS Fuel Models J, K and L	25	
<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	0
Unthinned or unmanaged timber within 100ft	5	
<b>TOTAL SITE HAZARD RATING</b>		<b>41</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	0	
50 to 75% of homes have a metal, tile or Class A shingles	10		
Less than 50% of homes have metal, tile or Class A shingles	15		
<b>SIDING / SOFFETS</b>			
Greater than 75% of homes have fire resistant siding and soffets	0	10	
50 to 75% of homes have fire resistant siding and soffets	5		
Less than 50% of homes have fire resistant siding and soffets	10		
<b>UNDERSKIRTING</b>			
Greater than 75% of homes have the equivalent of fine mesh screening underneath	0	0	
50 to 75% of the homes have the equivalent of fine mesh screening underneath	5		
Less than 50% of the homes have the equivalent of fine mesh screening underneath	10		
<b>TOTAL BUILDING CONSTRUCTION HAZARD RATING</b>		10	

<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	2	
Pressurized hydrants with < 500 gpm or spaced > 1,000 ft apart	2		
Dry hydrant(s) available year round within the community	2		
Other accessible sources within community	5		
Water sources located within 4 road miles of community	7		
No water sources within 4 miles of the community	15		
<b>UTILITIES</b>			
Both underground	0	3	
One underground, one above ground	3		
Both aboveground	5		
<b>SURROUNDING ENVIRONMENT</b>			
Community is not surrounded by any large natural landscape	0	0	
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	10	
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	10	
Medium	10		
High	20		
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>		25	

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

STW 22

Forestry Office: \_\_\_\_\_

Community: Stillwater Zone #22 County: \_\_\_\_\_

Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

Fire Department: \_\_\_\_\_

Date: \_\_\_\_\_

Acres: 1700 Lots: \_\_\_\_\_ Homes: 923 Future Homes \_\_\_\_\_**CALCULATING THE WILDFIRE HAZARD RATING**

SUBDIVISION DESIGN HAZARD RATING	+ SITE HAZARD RATING	+ BUILDING CONSTRUCTION HAZARD RATING	+ ADDITIONAL FACTOR HAZARD RATING	= OVERALL WILDFIRE HAZARD RATING
17	46	10	35	108

SUBDIVISION DESIGN RATING	Rating	
<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	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-surface road, grade < 5%	2	
Non-surface 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	5
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>17</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 feet long	0	0
More than 150 ft with minimum 45 foot outside radius turnaround	3	
More than 150 ft with inadequate turnaround	5	
Average driveway width more than 12 ft	0	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 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 visible from road	5	
<b>DOMINANT TREES</b> (within 100 ft of homes)		
Deciduous	1	1
Mixed	5	
Evergreen	10	
<b>LADDER FUELS</b>		
Evergreen branches close to ground	5	0
Evergreen branches pruned up at least 6 ft	0	
<b>VEGETATION</b> (predominant type throughout community)		
Light (e.g. grasses and forbs) NFDRS Fuel Models A, C, L, N, S and T	5	20
Medium (e.g. light brush and small trees) NFDRS Fuel Models D, E, F, H, P, Q and U	10	
Heavy (e.g. dense brush, timber and hardwoods) NFDRS Fuel Models B, G and O	20	
Slash (e.g. timber harvesting residue) NFDRS Fuel Models J, K and L	25	
<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 100ft	5	
<b>TOTAL SITE HAZARD RATING</b>		<b>46</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	0	
50 to 75% of homes have a metal, tile or Class A shingles	10		
Less than 50% of homes have metal, tile or Class A shingles	15		
<b>SIDING / SOFFETS</b>			
Greater than 75% of homes have fire resistant siding and soffets	0	10	
50 to 75% of homes have fire resistant siding and soffets	5		
Less than 50% of homes have fire resistant siding and soffets	10		
<b>UNDERSKIRTING</b>			
Greater than 75% of homes have the equivalent of fine mesh screening underneath	0	0	
50 to 75% of the homes have the equivalent of fine mesh screening underneath	5		
Less than 50% of the homes have the equivalent of fine mesh screening underneath	10		
<b>TOTAL BUILDING CONSTRUCTION HAZARD RATING</b>			10

<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	2	
Pressurized hydrants with < 500 gpm or spaced > 1,000 ft apart	2		
Dry hydrant(s) available year round within the community	2		
Other accessible sources within community	5		
Water sources located within 4 road miles of community	7		
No water sources within 4 miles of the community	15		
<b>UTILITIES</b>			
Both underground	0	3	
One underground, one above ground	3		
Both aboveground	5		
<b>SURROUNDING ENVIRONMENT</b>			
Community is not surrounded by any large natural landscape	0	10	
Large natural landscape adjoins one side of the community	5		
Large natural landscape adjoins two sides of the community	10		
Large natural landscape adjoins three sides of the community	15		
Community is completely surrounded by natural landscape	20		
<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	10	
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	10	
Medium	10		
High	20		
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>			35

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

STW 23

Forestry Office: \_\_\_\_\_

Community: Stillwater Zone #23 County: \_\_\_\_\_

Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

Fire Department: \_\_\_\_\_

Date: \_\_\_\_\_

Acres: 200 Lots: \_\_\_\_\_ Homes: 307 Future Homes \_\_\_\_\_**CALCULATING THE WILDFIRE HAZARD RATING**

SUBDIVISION DESIGN HAZARD RATING	+ SITE HAZARD RATING	+ BUILDING CONSTRUCTION HAZARD RATING	+ ADDITIONAL FACTOR HAZARD RATING	= OVERALL WILDFIRE HAZARD RATING
0	26	10	15	51

SUBDIVISION DESIGN RATING	Rating	
<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-surface road, grade < 5%	2	
Non-surface 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>		0

**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 feet long	0	0
More than 150 ft with minimum 45 foot outside radius turnaround	3	
More than 150 ft with inadequate turnaround	5	
Average driveway width more than 12 ft	0	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 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 visible from road	5	
<b>DOMINANT TREES</b> (within 100 ft of homes)		
Deciduous	1	1
Mixed	5	
Evergreen	10	
<b>LADDER FUELS</b>		
Evergreen branches close to ground	5	0
Evergreen branches pruned up at least 6 ft	0	
<b>VEGETATION</b> (predominant type throughout community)		
Light (e.g. grasses and forbs) NFDRS Fuel Models A, C, L, N, S and T	5	10
Medium (e.g. light brush and small trees) NFDRS Fuel Models D, E, F, H, P, Q and U	10	
Heavy (e.g. dense brush, timber and hardwoods) NFDRS Fuel Models B, G and O	20	
Slash (e.g. timber harvesting residue) NFDRS Fuel Models J, K and L	25	
<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 100ft	5	
<b>TOTAL SITE HAZARD RATING</b>		<b>26</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	0	
50 to 75% of homes have a metal, tile or Class A shingles	10		
Less than 50% of homes have metal, tile or Class A shingles	15		
<b>SIDING / SOFFETS</b>			
Greater than 75% of homes have fire resistant siding and soffets	0	10	
50 to 75% of homes have fire resistant siding and soffets	5		
Less than 50% of homes have fire resistant siding and soffets	10		
<b>UNDERSKIRTING</b>			
Greater than 75% of homes have the equivalent of fine mesh screening underneath	0	0	
50 to 75% of the homes have the equivalent of fine mesh screening underneath	5		
Less than 50% of the homes have the equivalent of fine mesh screening underneath	10		
<b>TOTAL BUILDING CONSTRUCTION HAZARD RATING</b>			10

<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	0	
Pressurized hydrants with < 500 gpm or spaced > 1,000 ft apart	2		
Dry hydrant(s) available year round within the community	2		
Other accessible sources within community	5		
Water sources located within 4 road miles of community	7		
No water sources within 4 miles of the community	15		
<b>UTILITIES</b>			
Both underground	0	5	
One underground, one above ground	3		
Both aboveground	5		
<b>SURROUNDING ENVIRONMENT</b>			
Community is not surrounded by any large natural landscape	0	0	
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	0	
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	10	
Medium	10		
High	20		
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>			15



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

STW 24

Forestry Office: \_\_\_\_\_  
 Community: Stillwater Zone #24 County: \_\_\_\_\_  
 Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
 Fire Department: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Acres: 105 Lots: \_\_\_\_\_ Homes: 376 Future Homes \_\_\_\_\_

**CALCULATING THE WILDFIRE HAZARD RATING**

SUBDIVISION DESIGN HAZARD RATING	+ SITE HAZARD RATING	+ BUILDING CONSTRUCTION HAZARD RATING	+ ADDITIONAL FACTOR HAZARD RATING	= OVERALL WILDFIRE HAZARD RATING
0	21	10	18	49

SUBDIVISION DESIGN RATING	Rating	
<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-surface road, grade < 5%	2	
Non-surface 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>		0

**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 feet long	0	
More than 150 ft with minimum 45 foot outside radius turnaround	3	0
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 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 visible from road	5	
<b>DOMINANT TREES</b> (within 100 ft of homes)		
Deciduous	1	1
Mixed	5	
Evergreen	10	
<b>LADDER FUELS</b>		
Evergreen branches close to ground	5	
Evergreen branches pruned up at least 6 ft	0	0
<b>VEGETATION</b> (predominant type throughout community)		
Light (e.g. grasses and forbs) NFDRS Fuel Models A, C, L, N, S and T	5	
Medium (e.g. light brush and small trees) NFDRS Fuel Models D, E, F, H, P, Q and U	10	10
Heavy (e.g. dense brush, timber and hardwoods) NFDRS Fuel Models B, G and O	20	
Slash (e.g. timber harvesting residue) NFDRS Fuel Models J, K and L	25	
<b>SLOPE OF PROPERTY</b>		
Flat (0-5%)	0	
Moderate (6-20%)	2	0
Steep (over 20%)	4	
<b>DEFENSIBLE SPACE</b>		
No trees, shrubs or tall grass within 30 ft	0	
Well spaced trees and shrubs within 30 ft	10	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 100ft	5	
<b>TOTAL SITE HAZARD RATING</b>		<b>21</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	0	
50 to 75% of homes have a metal, tile or Class A shingles	10		
Less than 50% of homes have metal, tile or Class A shingles	15		
<b>SIDING / SOFFETS</b>			
Greater than 75% of homes have fire resistant siding and soffets	0	10	
50 to 75% of homes have fire resistant siding and soffets	5		
Less than 50% of homes have fire resistant siding and soffets	10		
<b>UNDERSKIRTING</b>			
Greater than 75% of homes have the equivalent of fine mesh screening underneath	0	0	
50 to 75% of the homes have the equivalent of fine mesh screening underneath	5		
Less than 50% of the homes have the equivalent of fine mesh screening underneath	10		
<b>TOTAL BUILDING CONSTRUCTION HAZARD RATING</b>		10	

<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	0	
Pressurized hydrants with < 500 gpm or spaced > 1,000 ft apart	2		
Dry hydrant(s) available year round within the community	2		
Other accessible sources within community	5		
Water sources located within 4 road miles of community	7		
No water sources within 4 miles of the community	15		
<b>UTILITIES</b>			
Both underground	0	5	
One underground, one above ground	3		
Both aboveground	5		
<b>SURROUNDING ENVIRONMENT</b>			
Community is not surrounded by any large natural landscape	0	0	
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	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		
<b>RISK LOCATION</b>			
Community is located within the following designated Wildfire Risk Areas according to the Southern Wildfire Risk Assessment			
Low	0	10	
Medium	10		
High	20		
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>		18	

**OKLAHOMA FORESTRY DIVISION**  
**COMMUNITY WILDFIRE RISK AND HAZARD ASSESSMENT**     *STW 25*

Forestry Office: \_\_\_\_\_

Community: Stillwater Zone #25     County: \_\_\_\_\_

Latitude: \_\_\_\_\_     Longitude: \_\_\_\_\_

Fire Department: \_\_\_\_\_

Date: \_\_\_\_\_

Acres: 110     Lots: \_\_\_\_\_     Homes: 695     Future Homes \_\_\_\_\_**CALCULATING THE WILDFIRE HAZARD RATING**

SUBDIVISION DESIGN HAZARD RATING	+ SITE HAZARD RATING	+ BUILDING CONSTRUCTION HAZARD RATING	+ ADDITIONAL FACTOR HAZARD RATING	= OVERALL WILDFIRE HAZARD RATING
0	21	25	18	64

SUBDIVISION DESIGN RATING	Rating	
<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-surface road, grade < 5%	2	
Non-surface 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>		0

**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 feet long	0	0
More than 150 ft with minimum 45 foot outside radius turnaround	3	
More than 150 ft with inadequate turnaround	5	
Average driveway width more than 12 ft	0	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 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 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 close to ground	5	0
Evergreen branches pruned up at least 6 ft	0	
<b>VEGETATION (predominant type throughout community)</b>		
Light (e.g. grasses and forbs) NFDRS Fuel Models A, C, L, N, S and T	5	10
Medium (e.g. light brush and small trees) NFDRS Fuel Models D, E, F, H, P, Q and U	10	
Heavy (e.g. dense brush, timber and hardwoods) NFDRS Fuel Models B, G and O	20	
Slash (e.g. timber harvesting residue) NFDRS Fuel Models J, K and L	25	
<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 100ft	5	
<b>TOTAL SITE HAZARD RATING</b>		<b>21</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	10	
50 to 75% of homes have a metal, tile or Class A shingles	10		
Less than 50% of homes have metal, tile or Class A shingles	15		
<b>SIDING / SOFFETS</b>			
Greater than 75% of homes have fire resistant siding and soffets	0	10	
50 to 75% of homes have fire resistant siding and soffets	5		
Less than 50% of homes have fire resistant siding and soffets	10		
<b>UNDERSKIRTING</b>			
Greater than 75% of homes have the equivalent of fine mesh screening underneath	0	5	
50 to 75% of the homes have the equivalent of fine mesh screening underneath	5		
Less than 50% of the homes have the equivalent of fine mesh screening underneath	10		
<b>TOTAL BUILDING CONSTRUCTION HAZARD RATING</b>		<b>25</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	0	
Pressurized hydrants with < 500 gpm or spaced > 1,000 ft apart	2		
Dry hydrant(s) available year round within the community	2		
Other accessible sources within community	5		
Water sources located within 4 road miles of community	7		
No water sources within 4 miles of the community	15		
<b>UTILITIES</b>			
Both underground	0	5	
One underground, one above ground	3		
Both aboveground	5		
<b>SURROUNDING ENVIRONMENT</b>			
Community is not surrounded by any large natural landscape	0	0	
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	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		
<b>RISK LOCATION</b>			
Community is located within the following designated Wildfire Risk Areas according to the Southern Wildfire Risk Assessment			
Low	0	10	
Medium	10		
High	20		
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>		<b>18</b>	

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

STW 26

Forestry Office: \_\_\_\_\_

Community: Stillwater Zone #26 County: \_\_\_\_\_

Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

Fire Department: \_\_\_\_\_

Date: \_\_\_\_\_

Acres: 645 Lots: \_\_\_\_\_ Homes: 378 Future Homes \_\_\_\_\_**CALCULATING THE WILDFIRE HAZARD RATING**

SUBDIVISION DESIGN HAZARD RATING	+ SITE HAZARD RATING	+ BUILDING CONSTRUCTION HAZARD RATING	+ ADDITIONAL FACTOR HAZARD RATING	= OVERALL WILDFIRE HAZARD RATING
15	16	15	32	78

SUBDIVISION DESIGN RATING	Rating	
<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	0
>20 ft and <24 ft	2	
<20 ft	4	
<b>ACCESSIBILITY</b>		
Surfaced road, grade < 5%	0	2
Surfaced road, grade > 5%	2	
Non-surface road, grade < 5%	2	
Non-surface 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	5
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>		15

**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 feet long	0	0
More than 150 ft with minimum 45 foot outside radius turnaround	3	
More than 150 ft with inadequate turnaround	5	
Average driveway width more than 12 ft	0	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 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 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 close to ground	5	0
Evergreen branches pruned up at least 6 ft	0	
<b>VEGETATION (predominant type throughout community)</b>		
Light (e.g. grasses and forbs) NFDRS Fuel Models A, C, L, N, S and T	5	5
Medium (e.g. light brush and small trees) NFDRS Fuel Models D, E, F, H, P, Q and U	10	
Heavy (e.g. dense brush, timber and hardwoods) NFDRS Fuel Models B, G and O	20	
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 100ft	5	
<b>TOTAL SITE HAZARD RATING</b>		<b>16</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	0	
50 to 75% of homes have a metal, tile or Class A shingles	10		
Less than 50% of homes have metal, tile or Class A shingles	15		
<b>SIDING / SOFFETS</b>			
Greater than 75% of homes have fire resistant siding and soffets	0	10	
50 to 75% of homes have fire resistant siding and soffets	5		
Less than 50% of homes have fire resistant siding and soffets	10		
<b>UNDERSKIRTING</b>			
Greater than 75% of homes have the equivalent of fine mesh screening underneath	0	5	
50 to 75% of the homes have the equivalent of fine mesh screening underneath	5		
Less than 50% of the homes have the equivalent of fine mesh screening underneath	10		
<b>TOTAL BUILDING CONSTRUCTION HAZARD RATING</b>		<b>15</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	2	
Pressurized hydrants with < 500 gpm or spaced > 1,000 ft apart	2		
Dry hydrant(s) available year round within the community	2		
Other accessible sources within community	5		
Water sources located within 4 road miles of community	7		
No water sources within 4 miles of the community	15		
<b>UTILITIES</b>			
Both underground	0	5	
One underground, one above ground	3		
Both aboveground	5		
<b>SURROUNDING ENVIRONMENT</b>			
Community is not surrounded by any large natural landscape	0	5	
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	10	
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	10	
Medium	10		
High	20		
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>		<b>32</b>	

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

STW 27

Forestry Office: \_\_\_\_\_  
 Community: Stillwater Zone #27 County: \_\_\_\_\_  
 Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
 Fire Department: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Acres: 225 Lots: \_\_\_\_\_ Homes: 605 Future Homes \_\_\_\_\_

**CALCULATING THE WILDFIRE HAZARD RATING**

SUBDIVISION DESIGN HAZARD RATING	+ SITE HAZARD RATING	+ BUILDING CONSTRUCTION HAZARD RATING	+ ADDITIONAL FACTOR HAZARD RATING	= OVERALL WILDFIRE HAZARD RATING
0	16	15	15	46

SUBDIVISION DESIGN RATING	Rating	
<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-surface road, grade < 5%	2	
Non-surface 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>		0

**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	
<b>DRIVEWAY CHARACTERISTICS</b>		
Less than 150 feet long	0	0
More than 150 ft with minimum 45 foot outside radius turnaround	3	
More than 150 ft with inadequate turnaround	5	
Average driveway width more than 12 ft	0	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 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 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 close to ground	5	0
Evergreen branches pruned up at least 6 ft	0	
<b>VEGETATION (predominant type throughout community)</b>		
Light (e.g. grasses and forbs) NFDRS Fuel Models A, C, L, N, S and T	5	5
Medium (e.g. light brush and small trees) NFDRS Fuel Models D, E, F, H, P, Q and U	10	
Heavy (e.g. dense brush, timber and hardwoods) NFDRS Fuel Models B, G and O	20	
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 100ft	5	
<b>TOTAL SITE HAZARD RATING</b>		<b>16</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	0	
50 to 75% of homes have a metal, tile or Class A shingles	10		
Less than 50% of homes have metal, tile or Class A shingles	15		
<b>SIDING / SOFFETS</b>			
Greater than 75% of homes have fire resistant siding and soffets	0	10	
50 to 75% of homes have fire resistant siding and soffets	5		
Less than 50% of homes have fire resistant siding and soffets	10		
<b>UNDERSKIRTING</b>			
Greater than 75% of homes have the equivalent of fine mesh screening underneath	0	5	
50 to 75% of the homes have the equivalent of fine mesh screening underneath	5		
Less than 50% of the homes have the equivalent of fine mesh screening underneath	10		
<b>TOTAL BUILDING CONSTRUCTION HAZARD RATING</b>		<b>15</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	0	
Pressurized hydrants with < 500 gpm or spaced > 1,000 ft apart	2		
Dry hydrant(s) available year round within the community	2		
Other accessible sources within community	5		
Water sources located within 4 road miles of community	7		
No water sources within 4 miles of the community	15		
<b>UTILITIES</b>			
Both underground	0	5	
One underground, one above ground	3		
Both aboveground	5		
<b>SURROUNDING ENVIRONMENT</b>			
Community is not surrounded by any large natural landscape	0	0	
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	0	
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	10	
Medium	10		
High	20		
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>		<b>15</b>	

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

STW 28

Forestry Office: \_\_\_\_\_  
 Community: Stillwater Zone #28 County: \_\_\_\_\_  
 Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
 Fire Department: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Acres: 420 Lots: \_\_\_\_\_ Homes: 393 Future Homes \_\_\_\_\_

**CALCULATING THE WILDFIRE HAZARD RATING**

SUBDIVISION DESIGN HAZARD RATING	+ SITE HAZARD RATING	+ BUILDING CONSTRUCTION HAZARD RATING	+ ADDITIONAL FACTOR HAZARD RATING	= OVERALL WILDFIRE HAZARD RATING
19	21	20	35	95

SUBDIVISION DESIGN RATING	Rating	
<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-surface road, grade < 5%	2	
Non-surface 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	5
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>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 feet long	0	0
More than 150 ft with minimum 45 foot outside radius turnaround	3	
More than 150 ft with inadequate turnaround	5	
Average driveway width more than 12 ft	0	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 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 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 close to ground	5	0
Evergreen branches pruned up at least 6 ft	0	
<b>VEGETATION (predominant type throughout community)</b>		
Light (e.g. grasses and forbs) NFDRS Fuel Models A, C, L, N, S and T	5	10
Medium (e.g. light brush and small trees) NFDRS Fuel Models D, E, F, H, P, Q and U	10	
Heavy (e.g. dense brush, timber and hardwoods) NFDRS Fuel Models B, G and O	20	
Slash (e.g. timber harvesting residue) NFDRS Fuel Models J, K and L	25	
<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 100ft	5	
<b>TOTAL SITE HAZARD RATING</b>		<b>21</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	10	
50 to 75% of homes have a metal, tile or Class A shingles	10		
Less than 50% of homes have metal, tile or Class A shingles	15		
<b>SIDING / SOFFETS</b>			
Greater than 75% of homes have fire resistant siding and soffets	0	10	
50 to 75% of homes have fire resistant siding and soffets	5		
Less than 50% of homes have fire resistant siding and soffets	10		
<b>UNDERSKIRTING</b>			
Greater than 75% of homes have the equivalent of fine mesh screening underneath	0	0	
50 to 75% of the homes have the equivalent of fine mesh screening underneath	5		
Less than 50% of the homes have the equivalent of fine mesh screening underneath	10		
<b>TOTAL BUILDING CONSTRUCTION HAZARD RATING</b>		20	

<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	0	
Pressurized hydrants with < 500 gpm or spaced > 1,000 ft apart	2		
Dry hydrant(s) available year round within the community	2		
Other accessible sources within community	5		
Water sources located within 4 road miles of community	7		
No water sources within 4 miles of the community	15		
<b>UTILITIES</b>			
Both underground	0	5	
One underground, one above ground	3		
Both aboveground	5		
<b>SURROUNDING ENVIRONMENT</b>			
Community is not surrounded by any large natural landscape	0	10	
Large natural landscape adjoins one side of the community	5		
Large natural landscape adjoins two sides of the community	10		
Large natural landscape adjoins three sides of the community	15		
Community is completely surrounded by natural landscape	20		
<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	10	
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	10	
Medium	10		
High	20		
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>		35	

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

STW 29

Forestry Office: \_\_\_\_\_  
 Community: Stillwater Zone #29 County: \_\_\_\_\_  
 Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
 Fire Department: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Acres: 965 Lots: \_\_\_\_\_ Homes: 624 Future Homes \_\_\_\_\_

**CALCULATING THE WILDFIRE HAZARD RATING**

SUBDIVISION DESIGN HAZARD RATING	+ SITE HAZARD RATING	+ BUILDING CONSTRUCTION HAZARD RATING	+ ADDITIONAL FACTOR HAZARD RATING	= OVERALL WILDFIRE HAZARD RATING
17	41	10	33	101

SUBDIVISION DESIGN RATING	Rating	
<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	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-surface road, grade < 5%	2	
Non-surface 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	5
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>17</b>



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

<b>SITE HAZARD RATING: (Within 30 feet of structure based on a majority of the properties in the community)</b>	<b>Rating</b>	
<b>DRIVEWAY CHARACTERISTICS</b>		
Less than 150 feet long	0	0
More than 150 ft with minimum 45 foot outside radius turnaround	3	
More than 150 ft with inadequate turnaround	5	
Average driveway width more than 12 ft	0	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 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 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 close to ground	5	5
Evergreen branches pruned up at least 6 ft	0	
<b>VEGETATION (predominant type throughout community)</b>		
Light (e.g. grasses and forbs) NFDRS Fuel Models A, C, L, N, S and T	5	10
Medium (e.g. light brush and small trees) NFDRS Fuel Models D, E, F, H, P, Q and U	10	
Heavy (e.g. dense brush, timber and hardwoods) NFDRS Fuel Models B, G and O	20	
Slash (e.g. timber harvesting residue) NFDRS Fuel Models J, K and L	25	
<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	0
Unthinned or unmanaged timber within 100ft	5	
<b>TOTAL SITE HAZARD RATING</b>		<b>41</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	0	
50 to 75% of homes have a metal, tile or Class A shingles	10		
Less than 50% of homes have metal, tile or Class A shingles	15		
<b>SIDING / SOFFETS</b>			
Greater than 75% of homes have fire resistant siding and soffets	0	10	
50 to 75% of homes have fire resistant siding and soffets	5		
Less than 50% of homes have fire resistant siding and soffets	10		
<b>UNDERSKIRTING</b>			
Greater than 75% of homes have the equivalent of fine mesh screening underneath	0	0	
50 to 75% of the homes have the equivalent of fine mesh screening underneath	5		
Less than 50% of the homes have the equivalent of fine mesh screening underneath	10		
<b>TOTAL BUILDING CONSTRUCTION HAZARD RATING</b>			10
<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	0	
Pressurized hydrants with < 500 gpm or spaced > 1,000 ft apart	2		
Dry hydrant(s) available year round within the community	2		
Other accessible sources within community	5		
Water sources located within 4 road miles of community	7		
No water sources within 4 miles of the community	15		
<b>UTILITIES</b>			
Both underground	0	3	
One underground, one above ground	3		
Both aboveground	5		
<b>SURROUNDING ENVIRONMENT</b>			
Community is not surrounded by any large natural landscape	0	10	
Large natural landscape adjoins one side of the community	5		
Large natural landscape adjoins two sides of the community	10		
Large natural landscape adjoins three sides of the community	15		
Community is completely surrounded by natural landscape	20		
<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	10	
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	10	
Medium	10		
High	20		
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>			33