

# The **Town of Arapaho**

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## Community Wildfire Protection Plan

### AN ACTION PLAN FOR WILDFIRE MITIGATION

DATE:     May, 2012    

Prepared by:     Mark Gardner      
Organization:     South Western Oklahoma Development Authority (SWODA)      
Contact Information:  
    Address     P.O. Box 569      
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The following report is a cooperative effort between various entities. The representatives listed below comprise the core decision-making team responsible for this report and mutually agree on the plan's contents.

**Community Representative(s):**

Name Mitzi Merrell, Mayor  
 Address P.O. Box F, Arapaho, Ok 73620-0290  
 Phone Number 580/23-4376  
 Other Contact Information [arapaho@omega1w.net](mailto:arapaho@omega1w.net)

Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 Phone Number \_\_\_\_\_  
 Other Contact Information \_\_\_\_\_

Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 Phone Number \_\_\_\_\_  
 Other Contact Information \_\_\_\_\_

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

Name Kenneth Garibay, Fire Chief  
 Address P.O. Box F, Arapaho, Ok 73620  
 Phone Number 580/323-4376  
 Other Contact Information [AFD592002@yahoo.com](mailto:AFD592002@yahoo.com)

Name Lynn Maloy, Public Works Director  
 Address P.O. Box F, Arapaho, OK 73620  
 Phone Number 580/323-4376  
 Other Contact Information [Fire56@htswireless.com](mailto:Fire56@htswireless.com)

Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 Phone Number \_\_\_\_\_  
 Other Contact Information \_\_\_\_\_

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

Name Tom Murray, Area Forester  
 Address Box 569, Burns Flat, Ok 73624  
 Phone Number 580/562-4882  
 Other Contact Information 580/331-7319

Name Brian Hall, Staff Forester  
 Address ODAFF, 2800 N. Lincoln Blvd., Oklahoma City, Ok 73105  
 Phone Number 405-521-3264  
 Other Contact Information [Brian.hall@oda.state.ok.us](mailto:Brian.hall@oda.state.ok.us)

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

Name	Organization
Kenneth Garibay	Arapaho Fire Department
Lynn Maloy	Arapaho Public Works
Kirk Ford	Arapaho Fire Department
Tom Murray	Oklahoma Forestry Service

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## 1) COMMUNITY BACKGROUND AND EXISTING SITUATION

### Community Description:

County: Custer Latitude/Longitude: 35.578/-98.965  
 Frontage Road: Hwy 183 Nearest Intersection: Hwy 183 and Main St.  
 Nearest Fire Department (name/location): Arapaho Fire Department  
 Interface Areas: Surrounds the Town Year Established: 1892  
 Map #: #1 – Base Map

### Community Size:

Number of Lots: 735 Number of Structures: 300  
 Estimated Acres: 420 Development Status: Residential

### Community Infrastructure:

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

### Contacts:

Name , Kenneth Garibay Fire Chief  
 Address P.O. Box F, Arapaho, Ok 73620-0290  
 Phone Number 580/323-4376  
 Other Contact Information [AFD592002@yahoo.com](mailto:AFD592002@yahoo.com)

Name Mark Gardner  
 Address P.O. Box 569, Burns Flat, Ok 73624  
 Phone Number 580-562-4882  
 Other Contact Information [markgardner@swoda.org](mailto:markgardner@swoda.org)

### Resident Population: 796 – 2010 Census

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

### Wildfire Hazard Rating: (check one)

Low  Moderate  High  Extreme

Date Evaluated: April, 2012 *Attach Community Assessment Form.*

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

As the county seat of Custer County, Arapaho is situated on U.S. Highway 183, five miles north of Interstate 40. Named for the Arapaho tribe, the town came into existence on April 19, 1892, the day of the Cheyenne-Arapaho land opening. The word Arapaho means "blue sky men" or "blue cloud men." Prior to the opening, a federal government survey platted the town, and a post office was established on March 23, 1892. Ten days after the opening the first newspaper was printed. By 1894 Arapaho had a wood-frame courthouse, a school, a brick plant, a blacksmith shop, and a wagon yard.

Arapaho developed as a trade center for surrounding agriculture area, where wheat and alfalfa were grown and livestock were raised. The Blackwell, Enid and Southwestern Railroad (later the St. Louis and San Francisco Railway) and the Kansas City, Mexico and Orient (later the Atchison, Topeka and Santa Fe Railway) built in 1901, 1903 and 1906 respectively, connected the town with outside markets. In the 1940's Arapaho had one cotton gin, a weekly newspaper (the Arapaho Bee), a municipal library, a bank, a school, and two churches.

### Current Condition

The chances of Arapaho surviving from a large wildfire entering the City limits are fair. After an assessment of the Town and the area surrounding Arapaho the overall Wildfire Hazard Risk Rating is **99** which put Arapaho at a **Moderate Risk**. The chances of a majority of homes within the community surviving a wildfire are **FAIR**. Some minor improvements will make the community more fire resistant.

### Ingress / Egress

*Access:* Primary access and egress into and out the Town of Arapaho is by way of US HWY 183 from the North and South which divides the Town into East and West sections. Alternative egress can also be made by County roads that connect on each side of Town. All access and egress roads are of hard surface type and are of adequate width for fire apparatus to enter the Town as residents are leaving.

### *Signage:*

Signs from both the North and South on US HWY 183 provide good guidance entering the Town as the major access point into the Town. Major intersections and secondary roads are marked with "Post type signs".

### *Subdivision access:*

With the small size of the Town, it has been divided into East and West divisions with US HWY 183 being the dividing point.

### *Street Signs:*

Street signs are present at most intersections. Those missing are because of hard winds that have blown signs down. The public works department is in process of developing better mounting methods and putting these back up.

As well as street signs, most homes have address numbers that are visible from the streets.

### *Emergency Evacuation:*

With the simplicity of the street layout emergency evacuation should pose no problems for Town residents. All streets are of hard surface type and adequate with for residents to leave as fire apparatus approach. As alternative exit routes County road E 990 can be accessed from each side of Town.

### Public Fire Protection

*Arapaho Fire Department:* Supplies its services with a force of 17 volunteer firefighters. Equipment includes: 2 – pumper trucks, 3 – brush trucks, 1 – 5000-gallon tanker truck, 1 – service truck and 1 – command vehicle. These service are provided from a single fire station

### Water Supply

Arapaho purchases their water from the City of Clinton. There is a clear well located south of town which pumps water to 2 – elevated water towers totaling 150,000 gallons. The water distribution system is well designed and has fire hydrants well spaced throughout the town. This system should provide adequate water supply to combat any type of fire suppression activity.

### Utilities

The Town receives its electrical power from Public Service Company of Oklahoma by way of overhead primary power lines. Homes are connected to this system by both overhead and below ground lines. Natural gas is supplied by Center Point Energy by means of an underground piping system.

### Defensible Space

Structural spacing appears to be adequate as for fire protection during any structural fire fighting activities. Items noted within the area are those of many homes allowing trees to grow to close to houses with overhanging branches and Cedar trees throughout the Town with limbs that have not been trimmed and are close to or at ground level. There are also many areas in which lots are not developed and grasses are over-grown and have areas of wood and brush piles.

Elevated Hazard Areas

During the survey and committee meetings there where (9) elevated or high hazard areas noted. These are noted here with the hazard identified.

1. This area is a grass pasture with Cedar trees mixed throughout. At times this area is overgrown when not being grazed.
2. This is an area that has tree crowns touching along with downed limbs.
3. Tree limbs have been stacked along the roadway with tall grasses grown throughout them.
4. This area is usually overgrown with tall grass.
5. Lots within this area are not developed with tall grasses and wood piles.
6. Most lots within this area are not developed and may times are over grown with tall grasses.
7. This is an undeveloped area with tree crowns touching as well as many downed limbs.
8. This area has been developed and has tree crowns touching and within 30 feet of the homes.
9. Within this area most has been developed, and has unmanaged trees with touch crowns and downed limbs.

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

Relative Frequency: 50

Common Causes: Carelessness, Lighting, Power Lines, Trains, Equipment Failure.

Areas of Future Concern:

Additional Comments:

## 2) COMMUNITY BASE MAP AND OTHER VISUALS

*Community base map attached at end of document.*

## 3) OBJECTIVES / GOALS

Edit as needed to match community needs.

### **Objectives:**

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

### **Goals:**

The goals are fuel reduction and structure ignitability reduction that will protect this community and its essential infrastructure. It also includes a wildfire pre-suppression plan.

## 4) PRIORTIZED MITIGATION RECOMMENDATIONS

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

### **Proposed Community Hazard Reduction Priorities:**

List area and treatment recommended.

1. Do vegetation control in lands surrounding Town.
2. Cut and mow vegetation in shared community spaces.
3. Trim, prune and pick-up downed limbs throughout Town.
4. Start a Community Firewise weekend.
5. Continue providing a convenience location for residents to take limbs.

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

Actions to be taken by homeowners.

1. Remove downed tree limbs from property.
2. Remove leaves from around base of homes.
3. Trim tree limbs overhanging homes.
4. Remove trees growing next to base of homes.
5. Move stacked firewood 30 feet from homes.

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

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

1. Mail Firewise information with water bills.
2. Make Firewise information available at City Hall throughout the year.
3. Include Firewise information at School during Fire Prevention visits.
4. Start a firewise day in conjunction with other planned activities.

## 5) ACTION PLAN

### Funding Needs:

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

1. Apply for EQUIP grant for fuel mitigation in grass land surrounding Town.. USDA
2. Visit with landowners about doing prescribed burns to create fire breaks. Mitigation grant.
3. May need to purchase equipment to trim, prune pick-up tree limbs. Mitigation grant.
4. Contract for chipper service as needed. Approximately \$3,000.00 mitigation grant.
5. Distribution of Firewise materials. Free, available from OFS.

### Timetables:

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

1. EQUIP grant, apply yearly.
2. Doing prescribed burns. Fall each year while vegetation is dormant.
3. Trim, prune and remove tree limbs. Spring and Fall each year as needed.
4. Distribute Firewise information each year. Mail brochures each fall.
5. Chipper service would be contracted yearly as needed.

### Assessment:

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

1. Home and property owners doing firewise projects.
2. Amount of tree limbs gathered from pruning activities.
3. Need to contract for chipper service.
4. Amount of Firewise materials gathered.
5. Number of home owners inquiring more about Firewise information.

## 6) WILDFIRE PRE-SUPPRESSION PLAN

### A. Wildfire Protection Responsibility

Structural Protection: Arapaho Fire Department

Wildland Protection: Arapaho Fire Department

### B. Incident Command Post Location

Incident Specific

### C. Incident Staging Area Location

Incident Specific

### D. Medical Unit Staging Area Location

Incident Specific

**E. Alarm Response**

**First Alarm**

Fire Department/Rescue Squad	Travel Distance	Response Time
Arapaho FD	Local	6-minutes

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

Fire Department/Rescue Squad	Travel Distance	Response Time
Clinton FD	4 - miles	5-minutes
Custer City	11 – miles	15-minutes
Weatherford FD	18 – miles	15-minutes
Bessie FD	13 – miles	15-minutes
Butler FD	18 – miles	20-minutes
Thomas FD	20 – miles	25-minutes

**F. Air Support**

**Fixed Wing**

Aircraft	Contact Name	Dispatching Guidelines
Ok Department of Emergency Management	(800) 800-2481	Dependant availability through OK Forestry Service

**Helicopter**

Aircraft	Contact Name	Dispatching Guidelines
Ok Department of Emergency Management	(800) 800-2481	Dependant availability through OK Forestry Service

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

Location: Fire hydrants throughout Town Description: Standard type fire hydrants

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

Name	Phone Number	Radio Frequencies
Dispatch/Fire Departments		
Clinton/Weatherford FD's	911	154.130
Local Department of Forestry Office		
Burns Flat	(580) 331-7319	154.130
Other		

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

No formal plan in place.

**J. Resource List**

Name	Contact Information	Payment Information
Support Agencies		
Custer County Commissioners	(580) 323-4420	Free
Custer Co. Emergency Management	(580) 323-4105	Free
Custer Co. Sheriff Office	(580) 323-1616	Free
Oklahoma Highway Patrol	(580) 323-2424	Free
Tractor Operators		
Custer County Commissioners	(580) 323-4420	Free
Crews		
BIA	(580) 772 2635	Free
Utilities		
PSO	(888) 237-2221	Free
ONG	(800) 664-5463	Free
Fuel		
Arapaho Quick Shop	(580) 323-7339	Cash / Credit Card
Mid-West Farmers Co-op (Clinton)	(580) 323-0307	Credit Card
Smith Oil (Clinton)	(580) 323-2929	Cash / Credit Card
Domino Express (Clinton)	(580) 323-3431	Cash / Credit Card
Food and Supplies		
Arapaho Quick Shop	(580) 323-7339	Cash / Credit Card
Homeland (Clinton)	(580) 323-0135	Cash / Credit Card
United Supermarket (Clinton)	(580) 323-1811	Cash / Credit Card
Lodging		
Days Inn (Clinton)	(580) 323-5550	Credit Card
Ramada Inn (Clinton)	(580) 323-2010	Credit Card
Holiday Inn Express (Clinton)	(580) 323 1950	Credit Card

**7) ADDITIONAL COMMENTS****8) ATTACHMENTS (List here in order of attachment)**

- 1 – Community Assessments
- 2 – Base Map
- 3 – Assessment Map
- 4 – High Hazard Map
- 5 – Street Map
- 6 – Fire Hydrant Map

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

Forestry Office: Burns Flat

Community: Arapaho - West County: Custer

Latitude: 35.578 Longitude: -98.965

Fire Department: Arapaho

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

Acres: 420 Lots: 735 Homes: 300 Future Homes: +/- 1-year

**CALCULATING THE WILDFIRE HAZARD RATING**

<b>SUBDIVISION DESIGN HAZARD RATING</b>	<b>+ SITE HAZARD RATING</b>	<b>+ BUILDING CONSTRUCTION HAZARD RATING</b>	<b>+ ADDITIONAL FACTOR HAZARD RATING</b>	<b>= OVERALL WILDFIRE HAZARD RATING</b>
7	42	5	36	90

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	
>20 ft and <24 ft	2	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	
Highly flammable vegetation along road	5	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**

<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	
Mixed	5	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	
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	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	2
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>42</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	
50 to 75% of homes have fire resistant siding and soffets	5	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>		5
<b>SURROUNDING ENVIRONMENT</b>		
Community is not surrounded by any large natural landscape	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	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 to 50% of lots have not been developed	3	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 Wildland Fire Suceptibility Index according to the Southern Wildfire Risk Assessment		
Low (Class Value 1 - 2)	0	
Medium (Class Value 3 - 5)	10	10
High (Class Value 6 - 9)	20	
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>		36

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

Forestry Office: Burns Flat

Community: Arapaho - East County: Custer

Latitude: 35.578 Longitude: -98.965

Fire Department: Arapaoh

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

Acres: 420 Lots: 735 Homes: 300 Future Homes: +/- 1/year

**CALCULATING THE WILDFIRE HAZARD RATING**

<b>SUBDIVISION DESIGN HAZARD RATING</b>	<b>+ SITE HAZARD RATING</b>	<b>+ BUILDING CONSTRUCTION HAZARD RATING</b>	<b>+ ADDITIONAL FACTOR HAZARD RATING</b>	<b>= OVERALL WILDFIRE HAZARD RATING</b>
9	57	5	36	107

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

**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	
Mixed	5	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	
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	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	2
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	
Touching crowns or tall grass within 30 ft	20	20
No unthinned or unmanaged timber within 100 ft	0	
Unthinned or unmanaged timber within 100ft	5	5
<b>TOTAL SITE HAZARD RATING</b>		<b>57</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	
50 to 75% of homes have fire resistant siding and soffets	5	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>		5
<b>ADDITIONAL HAZARD FACTORS</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	
One underground, one above ground	3	3
Both aboveground	5	
<b>SURROUNDING ENVIRONMENT</b>		
Community is not surrounded by any large natural landscape	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	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 to 50% of lots have not been developed	3	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 Wildland Fire Suceptibility Index according to the Southern Wildfire Risk Assessment		
Low (Class Value 1 - 2)	0	
Medium (Class Value 3 - 5)	10	10
High (Class Value 6 - 9)	20	
<b>TOTAL ADDITIONAL HAZARD FACTORS</b>		36

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

**What does the Wildfire Hazard Rating mean?**

Using the Wildfire Hazard Assessment, the highest possible rating is 247 points. Communities can be divided into the following four risk categories:

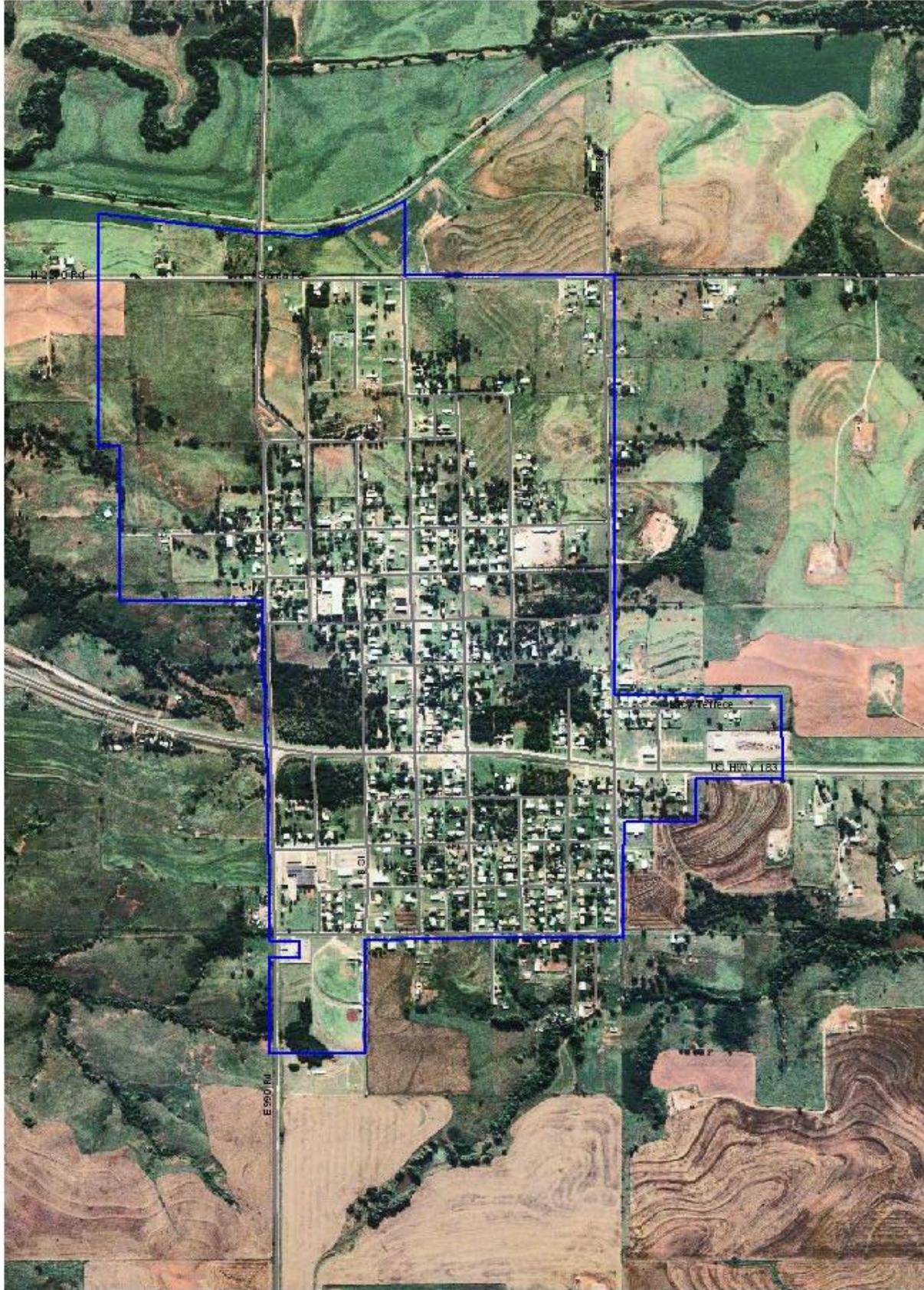
- Low Risk:**                   **Total Wildfire Hazard Rating is 0 – 90 points**  
The chances of a majority of homes in the community surviving a wildfire are **GOOD**.  
  
Little is needed to improve the community. Keep up the good work.
- Moderate Risk:**           **Total Wildfire Hazard Rating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

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

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

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

# BASEMAP

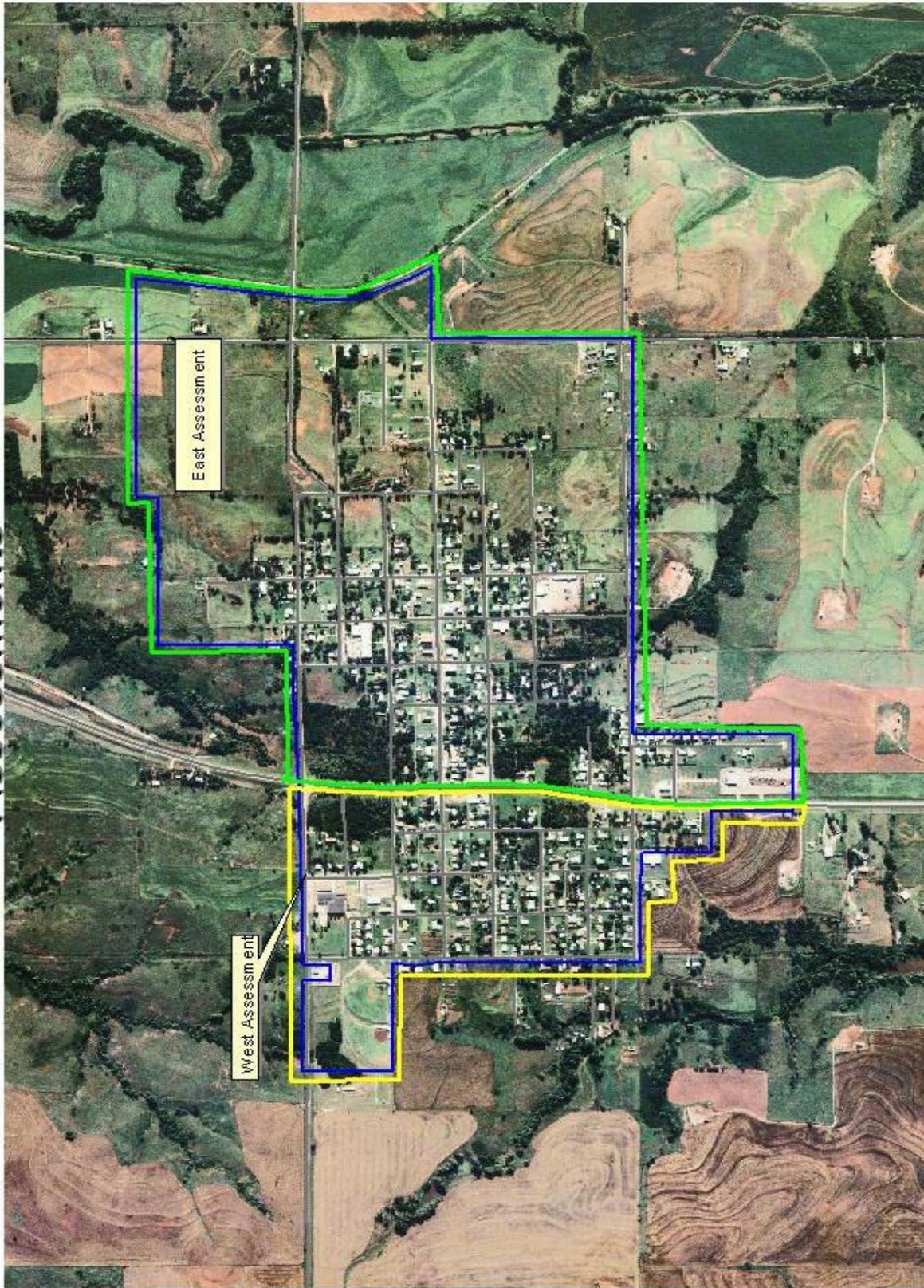


Legend

- city limits

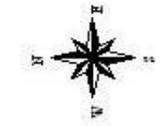


# Assessments



East Assessment

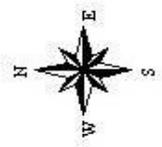
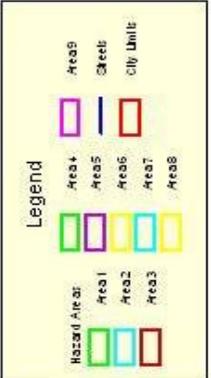
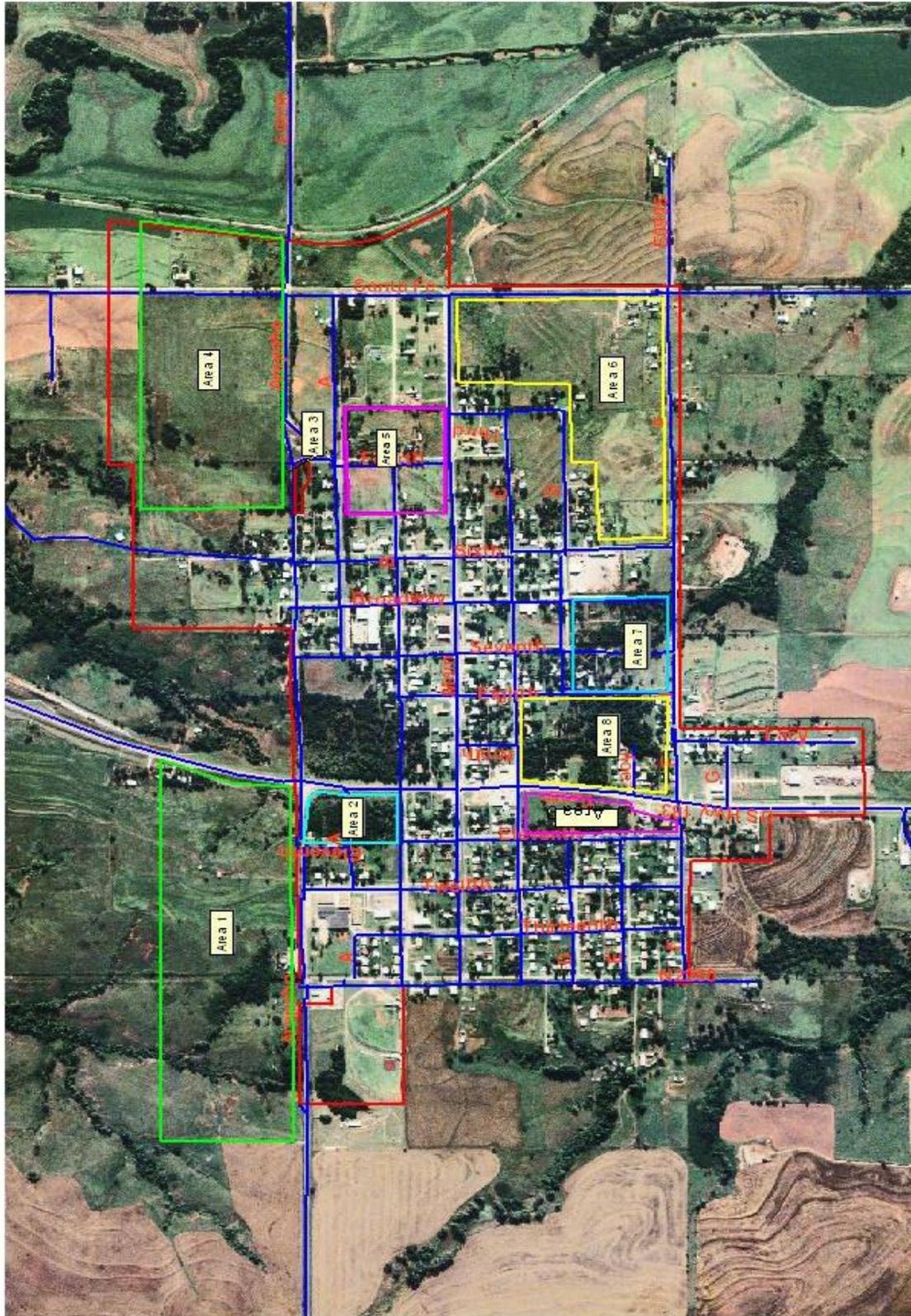
West Assessment



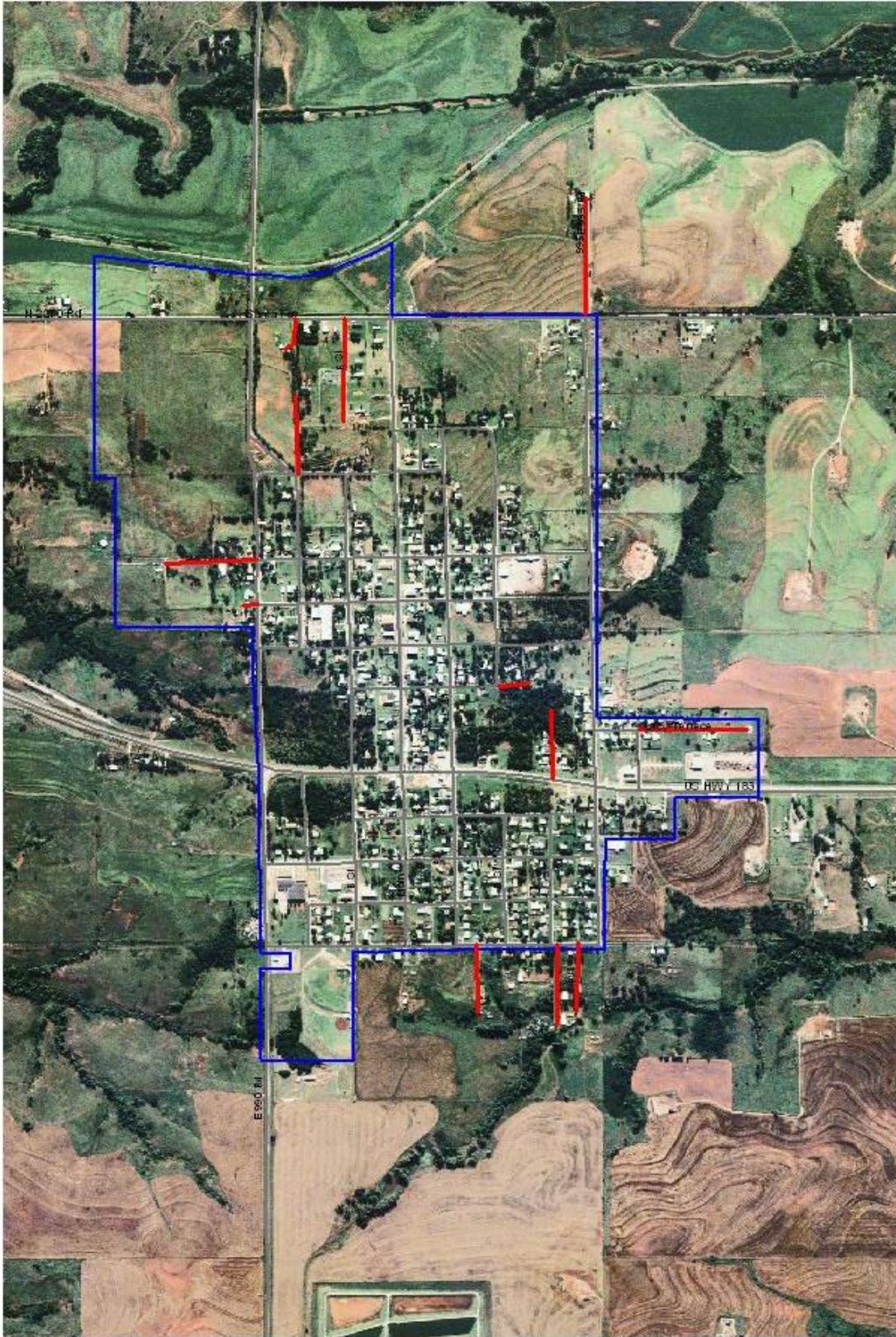
**Legend**

- West Assessment
- East Assessment
- City Limits
- Street

# Elevated Hazard Areas



# Streets and One-Way Exits



**Legend**

- City Limits
- Streets
- One-way Exit

