

Community Wildfire Protection Plan Cheyenne County Fire

March 14, 2011

(Appendix B Addition: 2013)



Plan Approval -

The County approves the Community Wildfire Protection Plan completed March 31, 2011


Cheyenne County Commissioners, Chairman 3-31-11
Date


Cheyenne County Sheriff 03-31-11
Date


Cheyenne County Office of Emergency Management 03-31-11
Date


La Junta District, Colorado State Forest Service 3/31/11
Date

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Community Wildfire Protection Plan

Cheyenne County Fire

March 14, 2011

Overview

Community Wildfire Protection Plans (CWPP) are authorized and defined in Title I of the *Healthy Forests Restoration Act (HFRA)* passed by Congress on November 21, 2003 and signed into law by President Bush on December 3, 2003.

The Healthy Forest Restoration Act (HFRA) places renewed emphasis on community planning by extending a variety of benefits to communities with a wildfire protection plan in place. Critical among these benefits are - 1) The option to establish localized definitions and boundaries for areas having high Risk (potential), Hazards (fuels) and Values; and 2), The opportunity to help shape management priorities for federal and non-federal lands within the planning area.

The CWPP, as described in the Act, brings together diverse local interests to discuss their mutual concerns for public safety, community sustainability and natural resources. It offers a positive, solution-oriented environment in which to address challenges such as local firefighting capacity, the need for defensible space around homes (and areas of value), and where and how to prioritize land management.¹ (Colorado State Forest Service, 2005. Community Wildfire Protection Plans: Guidelines for Implementation. 4 pages.)

The purpose of this document is to provide stakeholders and those living in Cheyenne County with an overview of the wildland fire risks, hazards and values within the planning area; recommend possible courses of action to reduce the impacts of wildfire in the planned area; and to share a current action plan.

Background

Partners and stakeholders in Cheyenne County have participated and are a signature to the Regional Annual Wildfire Operating Plan since 2010. Other signature counties are Baca, Bent, Crowley, Kiowa, Otero and Prowers counties.

Participants

Participants since the onset through direct meeting participation and/or email notifications and updates include the Cheyenne County Commissioners, the Cheyenne County Sheriff, the Cheyenne County Office of Emergency Management, and representatives from the Cheyenne County Fire Protection District (Cheyenne Wells) and the West Cheyenne County Fire Protection District (Kit Carson). Many participants also represent their communities. State partners include the Colorado Division of Wildlife, and Colorado State Forest Service. The Sand Creek National Historic Site, National Park Service, although not in the county, will be updated, as they are near the south central portion of the county.

Meeting dates include – 6/17/10 Mapping assessment meeting; 9/16/10 Maps review & Firewise (Cheyenne Wells); 12/16/10 Maps review & Firewise (Kit Carson); and, 3/14/11 –CWPP draft review & 2011 Annual Plan.

Plan Components

A. Wildland Urban Interface (WUI)

Cheyenne County's highest concern areas are the communities and all development near the communities; the Sand Creek Massacre Historic Site, near the south central border; the railroads/high-use travel corridors in the county; and the Wild Horse and Big Sandy creeks watershed and tributaries for water quality.

The communities are Cheyenne Wells (incorporated) with a population of 1010 people and 417 households (county seat), and Kit Carson (incorporated) with a population of 253 people with 164 households. Arapahoe (342 people, 136 households), and Wild Horse (68 people, 47 households) are unincorporated. The Cheyenne County population is 1906 residents. Cheyenne County is 1782 square miles.

General - The County is rural with population centers around the communities. Major state highways cross the county N-S (U.S. Highway 287, 385 & CO Highway 59) and E-W (U.S. Highway 287 & CO Highway 40). The Union Pacific/Burlington Northern Santa Fe (UP/BNSF) Railroad comes into the county on the western boundary and runs across the county east to west following Highway 40 through ALL Cheyenne County communities. Cheyenne County has multiple high pressure gas and gas by-product underground lines located throughout the jurisdiction. There are two gas production plant locations, the CIG (Colorado Interstate Gas) located South of Kit Carson on Highway 287, and the DCP (Duke Energy) Helium Plant, located West of Cheyenne Wells on Highway 40. Along with the oil and gas production there are pumping units, oil tank batteries, and heater (treater) fire units scattered around the county. These areas could pose an additional hazard/threat in a wildfire event. In the northeast/north central part of Cheyenne County the Cheyenne Ridge Wind Energy Project is developing.

The National Park Service, Sand Creek Massacre National Historic Site lies in close proximity to the south central border of the county.

There are seven river drainages in the county - the Rush Creek, Big Sandy Creek, (Wild) Horse Creek, Big Spring Creek, North Fork of the Smoky Hill, and the Smokey Hill, Ladder Creek, and Big Timber Creek. Vegetation is generally sage, Conservation Reserve Program (CRP) grasses, short-grass prairie, and croplands dominate the majority of the county. Drainages do contain cottonwood and some tamarisk. State school land parcels are located throughout the county.

B. Preparedness to Respond to Wildland Fire

The Cheyenne County fire protection districts and the community fire departments serve and protect 1906 residents and 1782 square miles within the county. The County utilizes a central dispatch center with Enhanced 911 services (E-911).

The Fire Departments include – Cheyenne County Fire Protection District #1(30 Volunteers) and West Cheyenne Fire Protection District (25 volunteers).

Cheyenne County has a signed mutual aid agreements with Kit Carson and Lincoln counties fire protection districts.

Cheyenne County has a signed Agreement for Cooperative Wildfire Protection with the Colorado State Forest Service.

Cheyenne County has a signed Regional Annual Wildfire Operating Plan with Baca, Bent, Cheyenne, Crowley, Kiowa, Otero and Prowers counties; and area federal partners including the United States Forest Service, the United States Park Service, the Bureau of Land Management, and the Colorado State Forest Service, each year since 2010.

Cheyenne Wells and Kit Carson are incorporated. These communities have central water and individual fire departments.

Cheyenne County can initiate fire bans as appropriate. Communities within Cheyenne County participate in this process with the County. Incorporated communities have agreed to be a part of the overall county fire ban placement and rescission process.

Cheyenne County has an Office of Emergency Management with an active County Director who also coordinates with other Area Emergency Management Office's and State Resources.

Cheyenne County has a website for fire updates as appropriate (www.co.cheyenne.co.us).

C. Community Risk Analysis (Risk, Fuels, Values) and Wildfire Mitigation Assessment Mapping

(See Appendix A for a complete discussion of the risk analysis and assessment mapping for Cheyenne County)

Areas

- 1 – Communities and Growth Areas (HHH)
- 2 – Sand Creek Massacre Historic Site, near south central border (HHH)
- 3 – Railroads/Travel corridors (HHH)
- 4 – River Drainages with more public exposure - Wild Horse Creek, Big Sandy (HHH)

- 5—Travel Corridors (HMH, HLH)
- 6 – River Drainages, less public exposure (LHH)
- 7 – High Value Agricultural/Oil and Gas Development Areas (LHH, LMH & LLH)
- 8 – Rural Areas (LHH, LMH & LLH)

Note Abbreviations – High (H), Medium (M), Low (L)

Note Abbreviations – HHH means High Risk, High Fuel, High Value. LMH means Low Risk, Medium Fuel, High Value.

Discussion – Areas rated HHH are of highest priority due to risk, fuels and values in Cheyenne County. Areas with 2 HHs are also of high concern. For example, high fuels and high values can easily create a scenario taxing limited resources. Risk may be low or medium, however a large wildfire would still create a potential economic burden to the taxpayer in the county. The same could apply to high risk and high values – although the fuel is not rated high, it does not preclude the event causing significant resource depletion.

Areas rated with two or three Ls are of concern and should be considered when funding or resource opportunities arise, however they are not the highest priority.

Therefore, Cheyenne County's Mapped high concern 'Red Zones' might include Areas 1, 2, 3, 4 (three HHH's). Areas 5 through 8 with two HH's are of concern; Areas 7 and 8 with one H are not an immediate priority.

Due to typical county wind driven fire events and other fire behavior factors including high temperatures, low relative humidity, dry ignitable flashy fuels; along with distance and immediate access to many rural locations; and the nature of volunteer fire organizations with manpower/response factors to consider – arbitrary lines have been drawn around the zones. For example, one mile either side of a travel corridor in a ‘typical’ fire scenario may be more than enough buffer. However in a wind driven event or late in the season when vegetation is cured – a one-mile ‘buffer’ may not be sufficient. Six miles may not be sufficient. For planning purposes, we are allowing flexibility with our zone boundaries to allow the overall goal of fire prevention/mitigation needs to be addressed.

D. Fuels Definition and Treatment Methods Discussion

Hazard Fuel Definitions –

High Fuels are defined as Riparian (cottonwood, tamarisk); Conservation Reserve Program grasses (CRP); Pinyon/Juniper (PJ)-understory grass; stubble/crop residue; weeds/tumbleweeds; dwellings (greater than five/section); and/or shelterbelts/windbreaks (greater than five/section).

Medium fuels include short and medium grass prairie; prairie sand/sage; fencerow tumbleweeds; dwellings (1-5 per section) and/or shelterbelts/windbreaks (1-5 per section).

Low fuels are defined as non-irrigated cropland, fallow, zero dwellings; and/or zero man-made windbreaks.

General Fuels Treatment Methods –

Riparian Treatments (cottonwood and/or tamarisk) include combinations of mechanical removal, chemical treatment, exotic insect introductions (tamarisk), firewood (cottonwood), wood chipping, pile burning, and/or hauling away brush.

High and Medium fuel grasses; stubble/crop residue, sand sage, weeds/tumbleweeds treatments may include mechanical methods (mowing, grazing), and/or prescribed burning.

Dwellings and/or man-made windbreaks/plantings treatments may include mowing around structures, breaking up continuous ground fuels and/or ladder fuels, thinning, deadwood removal (see structural ignitability for dwelling concepts).

E. Structural Ignitability Reduction Discussion

Firewise Awareness –

Public awareness of Firewise concepts and self-implementation of applicable concepts may help landowners potentially reduce the risk of structural ignitability in the event of an encroaching wildfire.

Firewise Concepts include - Are You At Risk!, Access, Water Supply, Defensible Space, Trees and Shrubs, Construction Design and Materials, Interior Safety, and What to do When...

Target Audiences and Outreach -

Targets are homeowners, rural businesses, and as appropriate, local government entities in Cheyenne County.

Long-Term Implementation Plan (5-Year)

(See Appendix B for specific Annual Workplan.)

General Discussion -

Broad, long-term mitigation strategies discussed at our various meetings included:

- Initiating public awareness in Firewise Concepts (i.e., Are You At Risk!, Access, Water Supply, Defensible Space, Trees and Shrubs, Construction Design and Materials, Interior Safety, and ‘What to do When...’). Target audiences could include community and rural homeowners, rural businesses, Cheyenne County Business Ready Planning Groups, and government entities, as appropriate.
- Providing ‘General Outdoor Fire Safety’ brochures to various publics (smoking, outdoor camping fires, trash burning, agricultural burning, and other controlled burns, spark arresters, etc). Target audiences could include community and rural homeowners, rural businesses, recreational users, tourists, highway corridor travelers, and railroad personnel.
- Provide overall information/awareness about fire bans, red flag warnings.

Tactics for the accomplishing the above included –

- Initiating countywide information outreach (Examples – Firewise, red flag warnings, fire bans, controlled burns) through public radio announcements, local Cable TV coverage, Cheyenne County web-site alerts, newspaper articles, highway signages, county fair booth participation, local event opportunities, (Fire Prevention Week, annual volunteer chili supper displays, Senior Citizen Ladies events, bazaars, etc.).
- Providing educational material including Firewise 3-ring binder availability for check out to homeowners (library/fire department); booklets and/or handouts for local events; CDs/PDFs for distribution; Firewise educational handouts for schools.
- Providing Firewise presentations or trainings and/or Homeowner Homestead Assessments (example *Living with Fire – A Guide for the Homeowner*) to interested volunteer groups/clubs to support public awareness and public inquiry.

Annual workplans could include components of the above and/or additional updated ideas and suggestions as appropriate for the mitigation effort that year.

Long-Term Mitigation Strategies Discussed By Area -

Long-term mitigation strategies (ideas) for the different areas identified in the Cheyenne County Mitigation Assessment Map were discussed at our various meeting, and are listed below. Mitigation includes utilizing a potential mix of tools and resources, generally categorized as - A) Education and Outreach; B) Rules/Restrictions/Ordinances, and Enforcement; C) Prevention Planning; D) Fuel Mitigation; E) Grants and Administration.

1 – Communities and Growth Areas (HHH)

Concern – High Risk, High Fuels, High Values

Mitigation -

Education and Outreach – Present Firewise Concept to various Public/Groups/Organizations (examples – Civic/Ag Clubs, fire departments); Inform publics on Fire Bans, Red Flag Warning definitions; Inform publics on safe recreational fire use; Inform publics on safe controlled burn use.

County Ordinance – The County has a fire ban process in place

Prevention Planning – Signage in the county (Low/Medium/High fire danger, example)

Fuel Mitigation – Consider example like fuel breaks in high fuel areas
or breaking up fuel continuity.

Consider Grants - Potential Colorado Community Forest Restoration Grants

2 – Sand Creek National Historic Site, NPS (HHH)

Concern – High Risk, High Fuels, High Values

Mitigation -

Education – Signage

Rules/Restrictions & Enforcement - Internal

Prevention Planning –

Developing plan for Desired Future Condition – including potentials
for grazing, mechanical treatments, prescribed burning

Fuel Mitigation - 12' Mower, gyro track for tumbleweed mulching yearly; revegetation

Suppression - 50-gallon water tank on six-wheel; water tank on north section;
DTR800 radios (Initial Attack communication)

Grant - potentials for future

3 – Railroads/Travel Corridors (HHH)

Concern – High Risk, High Fuels, High Values

Mitigation -

Education – Signage for public corridors

Ordinances & Enforce – Colorado Department of Transportation/ BNSF Railroad/County

Fuel Mitigation -

CDOT – Hwy 287, 385, 40 & 59 – mowing

BNSF Railroad –

County – Spraying & mowing

Adjoining private properties

Grants – As opportunity arises

4 – River Drainages with more public exposure (HHH)

Concern – High Risk, High Fuels, High Values

Mitigation -

Education – Watershed Protection/Water Quality, reduce threat of Large High-Intensity Fires,
Wildlife Habitat, preserve ecological function, restoration, maintenance, utilization of
small diameter woody material (firewood, etc)

Ordinances – County Fire Ban

Fuel Mitigation - Site by site basis

Grants - (Colorado Community Forest Restoration Grants)

5 – Travel Corridors (HMH & HLH)

Concern – High Risk, Medium/Low Fuels, High Values

Mitigation -

(Same as Area 3 above)

6 – River Drainages, less public exposure (LHH)

Concern – Low Risk, High Fuels, High Values

Mitigation -

Education – Watershed Protection/Water Quality, reduce threat of Large High-Intensity Fires, Wildlife Habitat, preserve ecological function, restoration, maintenance, utilization of small diameter woody material (firewood, etc)

Ordinances – County Fire Ban

Fuel Mitigation - Site by site basis

Grants - (Colorado Community Forest Restoration Grants)

7 – High Value Agricultural/Oil and Gas Development Areas (LHH, LMH & LLH)

Concern – Low Risk; May be High, Medium or Low Fuels; High Values

Mitigation – Areas with two H's are of concern and should be considered when funding or resource opportunities arise.

Mitigation - Areas rated with two or three Ls are of concern and should be considered when funding or resource opportunities arise, however they are not the highest priority

8 – Rural Areas (LHH, LMH & LLH)

Concern – Low Risk; May be High Medium or Low Fuels; High Values

Mitigation – Areas with two H's are of concern and should be considered when funding or resource opportunities arise.

Mitigation - Areas rated with two or three Ls are of concern and should be considered when funding or resource opportunities arise, however they are not the highest priority

Appendix A:

**Cheyenne County Community Wildfire Protection Planning
Fire Protection Assessment**

Cheyenne County Community Wildfire Protection Planning Fire Protection Assessment*

Cheyenne Wells, Colorado

June 17, 2010

Team: Cheyenne County Partners

Objectives: Complete a fire protection assessment of the County, assigning High, Medium, or Low ratings on these components:

1. Risk (potential for ignition): human activity and lightening
2. Hazard (potential to burn): fuels and topography
3. Values (potential for loss): natural or developed areas where loss or destruction by wildfire would be unacceptable.
4. Fire occurrence history.

Process: Using County map as the base:

1. **Risk layer:** make a clear overlay outlining areas of high risk in red, medium risk in blue, everything else will be low risk. Areas of high risk are those containing the most potential for a **fire to start due to human activity or lightning**; medium risk areas are those containing substantial potential for fire starts, but less than the high risk areas.
2. **Hazard layer:** make a second clear overlay marking areas of high hazard in red, medium hazard in blue, and all else is low hazard.

The following definitions of high, medium, and low hazard ratings were determined:

<u>Fuels & Topography</u>	<u>Low</u>	<u>Medium</u>	<u>High</u>
Fuels	Non-Irrigated Cropland Fallow	Short grass prairie Medium grass Prairie Prairie Sand/Sage Fence Row Tweeds	Riparian (cottonwood, tamarisk) CRP grass/NPS/Stubble/Crop Residue Weeds/tumbleweeds
Dwellings (as fuel)	0 per section	1-5 per section	Greater than 5 per section
Windbreaks, Living Snow Fences	1 per section	1-5 per section	Greater than 5 per section

3. **Value layer:** make a third clear overlay showing high value areas in red, medium value areas in blue, and all else is considered low value. High value areas are those containing the most **values**

whose loss to wildfire would be unacceptable. Medium areas contain substantial values to be protected from wildfire, but fewer than the high value areas.

4. Place the 3 clear overlays showing risk, hazard, and values on top of each other and put a fourth clear overlay on top of them. Draw adjusted boundaries on the top overlay. Mark the resulting compartments with **H, M, or L (High, Medium or Low) for Risk, Hazard, or Value**. Finally, number these compartments.
5. Copy final compartment boundaries, compartment numbers, and 3-letter ratings with black marker onto county map.
6. Complete Fire Protection Assessment forms for each compartment, documenting the compartment number, its ratings, and what risks and values are present.
7. This document, along with the fire Protection Assessment forms, and the final map is the Fire Protection Assessment package. The map may be digitized to produce a GIS map.

Uses & Examples: The areas marked on map as **H H H (high risk, high hazard, high value)** become the **priority areas for prevention work, pre-attack planning, suppression resource placement, funding requests, mitigation, and other resource work planning.**

Further fire protection assessments within the compartments may be mapped, in finer detail, to support on-the-ground work, such as prescribed fire, training, prevention events (schools, county fair, festivals, parades, booths, etc.), public education, homestead wildfire mitigation, fuel breaks, signing, and other projects.

- * The Wildfire Mitigation Assessment exercise outlines the first five steps in the eight-step Community Wildfire Protection Plan (CWPP) process initiated under the National Fire Plan.
- * Additionally the Society of American Foresters outline for CWPP process.

Fire Protection Assessment For Cheyenne County, Colorado

Area number _____ Rating: Risk _____ Hazard _____ Value _____

RISK COMPONENTS (POTENTIAL FOR IGNITION) PRESENT IN THIS AREA:

- | | |
|---|--|
| <input type="checkbox"/> Debris burning (Trash/Pit burning)
<input type="checkbox"/> Travel corridors
<input type="checkbox"/> Railroads

<input type="checkbox"/> Lightning
<input type="checkbox"/> Electric fences

<input type="checkbox"/> Powerlines
<input type="checkbox"/> Community/rural intermix
<input type="checkbox"/> Off-highway vehicles
<input type="checkbox"/> Recreation
<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Firewood cutting
<input type="checkbox"/> Hunting (Seasonal Fall/Winter)

<input type="checkbox"/> National Park Activities (near border) | <input type="checkbox"/> Children with matches
<input type="checkbox"/> Electronic sites
<input type="checkbox"/> Oil/gas/mining/propane/
helium plant
<input type="checkbox"/> Construction sites
<input type="checkbox"/> Maintenance Projects/
Canal Projects
<input type="checkbox"/> Landfill
<input type="checkbox"/> Agricultural burning
<input type="checkbox"/> Scenic Areas
<input type="checkbox"/> Fireworks
<input type="checkbox"/> Party areas
<input type="checkbox"/> Grain Elevators
<input type="checkbox"/> Wheat Harvest
(June-July)
<input type="checkbox"/> Sunflower Harvest (Oct) |
|---|--|

HAZARD COMPONENT (POTENTIAL TO BURN):

Fuels &

<u>Topography</u>	<u>Low</u>	<u>Medium</u>	<u>High</u>
Fuels	Non-Irrigated Cropland Fallow	Short grass prairie Medium grass Prairie Prairie Sand/Sage Fence Row Tweeds	Riparian (cottonwood, tamarisk) CRP grass/NPS/Stubble/Crop Residue Weeds/tumbleweeds
Dwellings (as fuel)	0 per section	1-5per section	Greater than 5 per section
Windbreaks, Living Snow Fences	1 per section	1-5 per section	Greater than 5 per section

VALUES PRESENT IN THIS AREA (POTENTIAL FOR LOSS):

___ People/Life	___ Rare and endangered wildlife
___ Residential/commercial development	___ Rare and endangered plants
___ Wildlife habitat	___ Water/riparian areas
___ Wilderness (designated)	___ Watershed
___ Wild & Scenic rivers	___ Soils
___ Visual resources	___ Minerals
___ Political values	___ Cultural resources
___ Range/grazing	___ Timber
___ Scenic byways	___ Developed recreation
___ Hog Farms	___ Dispersed recreation
___ NPS (near south central border)	___ Windbreaks/living snow fences

*Prairie Wildlife – All High Value –

Assess with DOW, as applying mitigation strategies

National Threatened and Endangered List – Least Tern, Piping Plover.

National Species of Concern – Mountain plover, Blacktailed Prairie Dog, Swift Fox, Ferruginous Hawk, Massasauga Rattlesnake, Arkansas Darter (fish).

Colorado State Threatened – Burrowing Owl, Lesser Prairie Chicken.

Fire Protection Assessment For Cheyenne County, Colorado

Communities

Area number 1

Rating: Risk H Hazard H Value H

RISK COMPONENTS (POTENTIAL FOR IGNITION) PRESENT IN THIS AREA:

- | | |
|--|--|
| <input type="checkbox"/> Debris burning (Trash/Pit burning)
<input type="checkbox"/> Travel corridors
<input type="checkbox"/> Railroads

<input type="checkbox"/> Lightning
<input type="checkbox"/> Electric fences

<input type="checkbox"/> Powerlines
<input checked="" type="checkbox"/> Community/rural intermix
<input type="checkbox"/> Off-highway vehicles
<input type="checkbox"/> Recreation
<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Firewood cutting
<input type="checkbox"/> Hunting (Seasonal Fall/Winter)

<input type="checkbox"/> National Park Activities (near border) | <input type="checkbox"/> Children with matches
<input type="checkbox"/> Electronic sites
<input type="checkbox"/> Oil/gas/mining/propane/helium plant
<input type="checkbox"/> Construction sites
<input type="checkbox"/> Maintenance Projects/
Canal Projects
<input type="checkbox"/> Landfill
<input type="checkbox"/> Agricultural burning
<input type="checkbox"/> Scenic Areas
<input type="checkbox"/> Fireworks
<input type="checkbox"/> Party areas
<input type="checkbox"/> Grain Elevators
<input type="checkbox"/> Wheat Harvest
(June-July)
<input type="checkbox"/> Sunflower Harvest (Oct) |
|--|--|

HAZARD COMPONENT (POTENTIAL TO BURN):

Fuels &

Topography

Low

Medium

High

Fuels	Non-Irrigated Cropland Fallow	Short grass prairie Medium grass Prairie Prairie Sand/Sage Fence Row Tweeds	Riparian (cottonwood, tamarisk) CRP grass/NPS/Stubble/Crop Residue Weeds/tumbleweeds
Dwellings (as fuel)	0 per section	1-5per section	Greater than 5 per section
Windbreaks, Living Snow Fences	1 per section	1-5 per section	Greater than 5 per section

VALUES PRESENT IN THIS AREA (POTENTIAL FOR LOSS):

<input checked="" type="checkbox"/> People/Life	<input type="checkbox"/> Rare and endangered wildlife
<input checked="" type="checkbox"/> Residential/commercial development	<input type="checkbox"/> Rare and endangered plants
<input type="checkbox"/> Wildlife habitat	<input type="checkbox"/> Water/riparian areas
<input type="checkbox"/> Wilderness (designated)	<input type="checkbox"/> Watershed
<input type="checkbox"/> Wild & Scenic rivers	<input type="checkbox"/> Soils
<input type="checkbox"/> Visual resources	<input type="checkbox"/> Minerals
<input type="checkbox"/> Political values	<input type="checkbox"/> Cultural resources
<input type="checkbox"/> Range/grazing	<input type="checkbox"/> Timber
<input type="checkbox"/> Scenic byways	<input type="checkbox"/> Developed recreation
<input type="checkbox"/> Hog Farms	<input type="checkbox"/> Dispersed recreation
<input type="checkbox"/> NPS (near south central border)	<input type="checkbox"/> Windbreaks/living snow fences

*Prairie Wildlife – All High Value –

Assess with DOW, as applying mitigation strategies

National Threatened and Endangered List – Least Tern, Piping Plover.

National Species of Concern – Mountain plover, Blacktailed Prairie Dog, Swift Fox, Ferruginous Hawk, Massasauga Rattlesnake, Arkansas Darter (fish).

Colorado State Threatened – Burrowing Owl, Lesser Prairie Chicken.

Fire Protection Assessment For Cheyenne County, Colorado

Sand Creek National Historic Site, NPS (near border)

Area number 2 Rating: Risk H Hazard H Value H

RISK COMPONENTS (POTENTIAL FOR IGNITION) PRESENT IN THIS AREA:

<input type="checkbox"/>	Debris burning (Trash/Pit burning)	<input type="checkbox"/>	Children with matches
<input type="checkbox"/>	Travel corridors	<input type="checkbox"/>	Electronic sites
<input type="checkbox"/>	Railroads	<input type="checkbox"/>	Oil/gas/mining/propane/ helium plant
<input type="checkbox"/>	Lightning	<input type="checkbox"/>	Construction sites
<input type="checkbox"/>	Electric fences	<input type="checkbox"/>	Maintenance Projects/ Canal Projects
<input type="checkbox"/>	Powerlines	<input type="checkbox"/>	Landfill
<input checked="" type="checkbox"/>	Community/rural intermix	<input type="checkbox"/>	Agricultural burning
<input type="checkbox"/>	Off-highway vehicles	<input type="checkbox"/>	Scenic Areas
<input type="checkbox"/>	Recreation	<input type="checkbox"/>	Fireworks
<input type="checkbox"/>	Campgrounds	<input type="checkbox"/>	Party areas
<input type="checkbox"/>	Firewood cutting	<input type="checkbox"/>	Grain Elevators
<input type="checkbox"/>	Hunting (Seasonal Fall/Winter)	<input type="checkbox"/>	Wheat Harvest (June-July)
<input checked="" type="checkbox"/>	National Park Activities (near border)	<input type="checkbox"/>	Sunflower Harvest (Oct)

HAZARD COMPONENT (POTENTIAL TO BURN):

Fuels &

<u>Topography</u>	<u>Low</u>	<u>Medium</u>	<u>High</u>
Fuels	Non-Irrigated Cropland Fallow	Short grass prairie Medium grass Prairie Prairie Sand/Sage Fence Row Tweeds	Riparian (cottonwood, tamarisk) CRP grass/NPS/Stubble/Crop Residue Weeds/tumbleweeds
Dwellings (as fuel)	0 per section	1-5per section	Greater than 5 per section
Windbreaks, Living Snow Fences	1 per section	1-5 per section	Greater than 5 per section

VALUES PRESENT IN THIS AREA (POTENTIAL FOR LOSS):

<input checked="" type="checkbox"/> People/Life	<input type="checkbox"/> Rare and endangered wildlife
<input checked="" type="checkbox"/> Residential/commercial development	<input type="checkbox"/> Rare and endangered plants
<input checked="" type="checkbox"/> Wildlife habitat	<input type="checkbox"/> Water/riparian areas
<input type="checkbox"/> Wilderness (designated)	<input checked="" type="checkbox"/> Watershed
<input type="checkbox"/> Wild & Scenic rivers	<input type="checkbox"/> Soils
<input checked="" type="checkbox"/> Visual resources	<input type="checkbox"/> Minerals
<input checked="" type="checkbox"/> Political values	<input checked="" type="checkbox"/> Cultural resources
<input type="checkbox"/> Range/grazing	<input type="checkbox"/> Timber
<input type="checkbox"/> Scenic byways	<input checked="" type="checkbox"/> Developed recreation
<input type="checkbox"/> Hog Farms	<input type="checkbox"/> Dispersed recreation
<input checked="" type="checkbox"/> NPS (near south central border)	<input type="checkbox"/> Windbreaks/living snow fences

*Prairie Wildlife – All High Value –

Assess with DOW, as applying mitigation strategies

National Threatened and Endangered List – Least Tern, Piping Plover.

National Species of Concern – Mountain plover, Blacktailed Prairie Dog, Swift Fox, Ferruginous Hawk, Massasauga Rattlesnake, Arkansas Darter (fish).

Colorado State Threatened – Burrowing Owl, Lesser Prairie Chicken.

Fire Protection Assessment
For
Cheyenne County, Colorado

Railroad/Travel Corridors

Area number 3

Rating: Risk H Hazard H Value H

RISK COMPONENTS (POTENTIAL FOR IGNITION) PRESENT IN THIS AREA:

- | | |
|---|---|
| <input type="checkbox"/> Debris burning (Trash/Pit burning)
<input checked="" type="checkbox"/> Travel corridors
<input checked="" type="checkbox"/> Railroads

<input type="checkbox"/> Lightning
<input type="checkbox"/> Electric fences

<input type="checkbox"/> Powerlines
<input type="checkbox"/> Community/rural intermix
<input type="checkbox"/> Off-highway vehicles
<input type="checkbox"/> Recreation
<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Firewood cutting
<input type="checkbox"/> Hunting (Seasonal Fall/Winter)

<input type="checkbox"/> National Park Activities (near border) | <input type="checkbox"/> Children with matches
<input type="checkbox"/> Electronic sites
<input type="checkbox"/> Oil/gas/mining/propane/helium plant
<input type="checkbox"/> Construction sites
<input type="checkbox"/> Maintenance Projects/Canal Projects
<input type="checkbox"/> Landfill
<input type="checkbox"/> Agricultural burning
<input type="checkbox"/> Scenic Areas
<input type="checkbox"/> Fireworks
<input type="checkbox"/> Party areas
<input type="checkbox"/> Grain Elevators
<input type="checkbox"/> Wheat Harvest (June-July)
<input type="checkbox"/> Sunflower Harvest (Oct) |
|---|---|

HAZARD COMPONENT (POTENTIAL TO BURN):

Fuels &

<u>Topography</u>	<u>Low</u>	<u>Medium</u>	<u>High</u>
Fuels	Non-Irrigated Cropland Fallow	Short grass prairie Medium grass Prairie Prairie Sand/Sage Fence Row Tweeds	Riparian (cottonwood, tamarisk) CRP grass/NPS/Stubble/Crop Residue Weeds/tumbleweeds
Dwellings (as fuel)	0 per section	1-5per section	Greater than 5 per section
Windbreaks, Living Snow Fences	1 per section	1-5 per section	Greater than 5 per section

VALUES PRESENT IN THIS AREA (POTENTIAL FOR LOSS):

<input checked="" type="checkbox"/> People/Life	<input type="checkbox"/> Rare and endangered wildlife
<input checked="" type="checkbox"/> Residential/commercial development	<input type="checkbox"/> Rare and endangered plants
<input type="checkbox"/> Wildlife habitat	<input type="checkbox"/> Water/riparian areas
<input type="checkbox"/> Wilderness (designated)	<input type="checkbox"/> Watershed
<input type="checkbox"/> Wild & Scenic rivers	<input type="checkbox"/> Soils
<input type="checkbox"/> Visual resources	<input type="checkbox"/> Minerals
<input type="checkbox"/> Political values	<input type="checkbox"/> Cultural resources
<input type="checkbox"/> Range/grazing	<input type="checkbox"/> Timber
<input type="checkbox"/> Scenic byways	<input type="checkbox"/> Developed recreation
<input type="checkbox"/> Hog Farms	<input type="checkbox"/> Dispersed recreation
<input type="checkbox"/> NPS (near south central border)	<input type="checkbox"/> Windbreaks/living snow fences

*Prairie Wildlife – All High Value –

Assess with DOW, as applying mitigation strategies

National Threatened and Endangered List – Least Tern, Piping Plover.

National Species of Concern – Mountain plover, Blacktailed Prairie Dog, Swift Fox, Ferruginous Hawk, Massasauga Rattlesnake, Arkansas Darter (fish).

Colorado State Threatened – Burrowing Owl, Lesser Prairie Chicken.

Fire Protection Assessment For Cheyenne County, Colorado

River Drainages with more public access – Wild Horse, Big Sandy (HHH)

Area number 4 **Rating: Risk** H **Hazard** H **Value** H

RISK COMPONENTS (POTENTIAL FOR IGNITION) PRESENT IN THIS AREA:

<input type="checkbox"/> Debris burning (Trash/Pit burning) <input checked="" type="checkbox"/> Travel corridors <input checked="" type="checkbox"/> Railroads <input type="checkbox"/> Lightning <input type="checkbox"/> Electric fences <input type="checkbox"/> Powerlines <input checked="" type="checkbox"/> Community/rural intermix <input type="checkbox"/> Off-highway vehicles <input type="checkbox"/> Recreation <input type="checkbox"/> Campgrounds <input type="checkbox"/> Firewood cutting <input type="checkbox"/> Hunting (Seasonal Fall/Winter) <input type="checkbox"/> National Park Activities (near border)	<input type="checkbox"/> Children with matches <input type="checkbox"/> Electronic sites <input type="checkbox"/> Oil/gas/mining/propane/ helium plant <input type="checkbox"/> Construction sites <input type="checkbox"/> Maintenance Projects/ Canal Projects <input type="checkbox"/> Landfill <input type="checkbox"/> Agricultural burning <input type="checkbox"/> Scenic Areas <input type="checkbox"/> Fireworks <input type="checkbox"/> Party areas <input type="checkbox"/> Grain Elevators <input type="checkbox"/> Wheat Harvest (June-July) <input type="checkbox"/> Sunflower Harvest (Oct)
--	--

HAZARD COMPONENT (POTENTIAL TO BURN):

Fuels &

<u>Topography</u>	<u>Low</u>	<u>Medium</u>	<u>High</u>
Fuels	Non-Irrigated Cropland Fallow	Short grass prairie Medium grass Prairie Prairie Sand/Sage Fence Row Tweeds	Riparian (cottonwood, tamarisk) CRP grass/NPS/Stubble/Crop Residue Weeds/tumbleweeds
Dwellings (as fuel)	0 per section	1-5per section	Greater than 5 per section
Windbreaks, Living Snow Fences	1 per section	1-5 per section	Greater than 5 per section

VALUES PRESENT IN THIS AREA (POTENTIAL FOR LOSS):

<input checked="" type="checkbox"/> People/Life	<input type="checkbox"/> Rare and endangered wildlife
<input type="checkbox"/> Residential/commercial development	<input type="checkbox"/> Rare and endangered plants
<input checked="" type="checkbox"/> Wildlife habitat	<input checked="" type="checkbox"/> Water/riparian areas
<input type="checkbox"/> Wilderness (designated)	<input checked="" type="checkbox"/> Watershed
<input type="checkbox"/> Wild & Scenic rivers	<input type="checkbox"/> Soils
<input checked="" type="checkbox"/> Visual resources	<input type="checkbox"/> Minerals
<input type="checkbox"/> Political values	<input type="checkbox"/> Cultural resources
<input type="checkbox"/> Range/grazing	<input type="checkbox"/> Timber
<input type="checkbox"/> Scenic byways	<input type="checkbox"/> Developed recreation
<input type="checkbox"/> Hog Farms	<input type="checkbox"/> Dispersed recreation
<input type="checkbox"/> NPS (near south central border)	<input type="checkbox"/> Windbreaks/living snow fences

*Prairie Wildlife – All High Value –

Assess with DOW, as applying mitigation strategies

National Threatened and Endangered List – Least Tern, Piping Plover.

National Species of Concern – Mountain plover, Blacktailed Prairie Dog, Swift Fox, Ferruginous Hawk, Massasauga Rattlesnake, Arkansas Darter (fish).

Colorado State Threatened – Burrowing Owl, Lesser Prairie Chicken.

Fire Protection Assessment For Cheyenne County, Colorado

Travel Corridors

Area number 5

Rating: Risk H Hazard M & L Value H

RISK COMPONENTS (POTENTIAL FOR IGNITION) PRESENT IN THIS AREA:

- | | |
|---|--|
| <input type="checkbox"/> Debris burning (Trash/Pit burning) | <input type="checkbox"/> Children with matches |
| <input checked="" type="checkbox"/> Travel corridors | <input type="checkbox"/> Electronic sites |
| <input checked="" type="checkbox"/> Railroads | <input type="checkbox"/> Oil/gas/mining/propane/
helium plant |
| <input type="checkbox"/> Lightning | <input type="checkbox"/> Construction sites |
| <input type="checkbox"/> Electric fences | <input type="checkbox"/> Maintenance Projects/
Canal Projects |
| <input type="checkbox"/> Powerlines | <input type="checkbox"/> Landfill |
| <input checked="" type="checkbox"/> Community/rural intermix | <input type="checkbox"/> Agricultural burning |
| <input type="checkbox"/> Off-highway vehicles | <input type="checkbox"/> Scenic Areas |
| <input type="checkbox"/> Recreation | <input type="checkbox"/> Fireworks |
| <input type="checkbox"/> Campgrounds | <input type="checkbox"/> Party areas |
| <input type="checkbox"/> Firewood cutting | <input type="checkbox"/> Grain Elevators |
| <input type="checkbox"/> Hunting (Seasonal Fall/Winter) | <input type="checkbox"/> Wheat Harvest
(June-July) |
| <input type="checkbox"/> National Park Activities (near border) | <input type="checkbox"/> Sunflower Harvest (Oct) |

HAZARD COMPONENT (POTENTIAL TO BURN):

Fuels &

<u>Topography</u>	<u>Low</u>	<u>Medium</u>	<u>High</u>
Fuels	Non-Irrigated Cropland Fallow	Short grass prairie Medium grass Prairie Prairie Sand/Sage Fence Row Tweeds	Riparian (cottonwood, tamarisk) CRP grass/NPS/Stubble/Crop Residue Weeds/tumbleweeds
Dwellings (as fuel)	0 per section	1-5per section	Greater than 5 per section
Windbreaks, Living Snow Fences	1 per section	1-5 per section	Greater than 5 per section

VALUES PRESENT IN THIS AREA (POTENTIAL FOR LOSS):

___ People/Life	___ Rare and endangered wildlife
___ Residential/commercial development	___ Rare and endangered plants
___ Wildlife habitat	___ Water/riparian areas
___ Wilderness (designated)	___ Watershed
___ Wild & Scenic rivers	___ Soils
___ Visual resources	___ Minerals
___ Political values	___ Cultural resources
___ Range/grazing	___ Timber
___ Scenic byways	___ Developed recreation
___ Hog Farms	___ Dispersed recreation
___ NPS (near south central border)	___ Windbreaks/living snow fences

*Prairie Wildlife – All High Value –

Assess with DOW, as applying mitigation strategies

National Threatened and Endangered List – Least Tern, Piping Plover.

National Species of Concern – Mountain plover, Blacktailed Prairie Dog, Swift Fox, Ferruginous Hawk, Massasauga Rattlesnake, Arkansas Darter (fish).

Colorado State Threatened – Burrowing Owl, Lesser Prairie Chicken.

Fire Protection Assessment
For
Cheyenne County, Colorado

River Drainages, less public exposure

Area number 6

Rating: Risk L Hazard H Value H

RISK COMPONENTS (POTENTIAL FOR IGNITION) PRESENT IN THIS AREA:

- | | |
|---|--|
| <input type="checkbox"/> Debris burning (Trash/Pit burning)
<input type="checkbox"/> Travel corridors
<input type="checkbox"/> Railroads

<input type="checkbox"/> Lightning
<input type="checkbox"/> Electric fences

<input type="checkbox"/> Powerlines
<input type="checkbox"/> Community/rural intermix
<input type="checkbox"/> Off-highway vehicles
<input type="checkbox"/> Recreation
<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Firewood cutting
<input type="checkbox"/> Hunting (Seasonal Fall/Winter)

<input type="checkbox"/> National Park Activities (near border) | <input type="checkbox"/> Children with matches
<input type="checkbox"/> Electronic sites
<input type="checkbox"/> Oil/gas/mining/propane/
helium plant
<input type="checkbox"/> Construction sites
<input type="checkbox"/> Maintenance Projects/
Canal Projects
<input type="checkbox"/> Landfill
<input type="checkbox"/> Agricultural burning
<input type="checkbox"/> Scenic Areas
<input type="checkbox"/> Fireworks
<input type="checkbox"/> Party areas
<input type="checkbox"/> Grain Elevators
<input type="checkbox"/> Wheat Harvest
(June-July)
<input type="checkbox"/> Sunflower Harvest (Oct) |
|---|--|

HAZARD COMPONENT (POTENTIAL TO BURN):

Fuels &

Topography Low

Medium

High

Fuels	Non-Irrigated Cropland Fallow	Short grass prairie Medium grass Prairie Prairie Sand/Sage Fence Row Tweeds	Riparian (cottonwood, tamarisk) CRP grass/NPS/Stubble/Crop Residue Weeds/tumbleweeds
Dwellings (as fuel)	0 per section	1-5per section	Greater than 5 per section
Windbreaks, Living Snow Fences	1 per section	1-5 per section	Greater than 5 per section

VALUES PRESENT IN THIS AREA (POTENTIAL FOR LOSS):

<input type="checkbox"/> People/Life	<input type="checkbox"/> Rare and endangered wildlife
<input type="checkbox"/> Residential/commercial development	<input type="checkbox"/> Rare and endangered plants
<input checked="" type="checkbox"/> Wildlife habitat	<input checked="" type="checkbox"/> Water/riparian areas
<input type="checkbox"/> Wilderness (designated)	<input checked="" type="checkbox"/> Watershed
<input type="checkbox"/> Wild & Scenic rivers	<input type="checkbox"/> Soils
<input type="checkbox"/> Visual resources	<input type="checkbox"/> Minerals
<input type="checkbox"/> Political values	<input type="checkbox"/> Cultural resources
<input type="checkbox"/> Range/grazing	<input type="checkbox"/> Timber
<input type="checkbox"/> Scenic byways	<input type="checkbox"/> Developed recreation
<input type="checkbox"/> Hog Farms	<input type="checkbox"/> Dispersed recreation
<input type="checkbox"/> NPS (near south central border)	<input type="checkbox"/> Windbreaks/living snow fences

*Prairie Wildlife – All High Value –

Assess with DOW, as applying mitigation strategies

National Threatened and Endangered List – Least Tern, Piping Plover.

National Species of Concern – Mountain plover, Blacktailed Prairie Dog, Swift Fox, Ferruginous Hawk, Massasauga Rattlesnake, Arkansas Darter (fish).

Colorado State Threatened – Burrowing Owl, Lesser Prairie Chicken.

Fire Protection Assessment
For
Cheyenne County, Colorado

High Value Agricultural/Oil and Gas Development Areas

Area number 7

Rating: Risk L Hazard L Value H

RISK COMPONENTS (POTENTIAL FOR IGNITION) PRESENT IN THIS AREA:

- | | |
|---|--|
| <input type="checkbox"/> Debris burning (Trash/Pit burning)
<input type="checkbox"/> Travel corridors
<input type="checkbox"/> Railroads

<input type="checkbox"/> Lightning
<input type="checkbox"/> Electric fences

<input type="checkbox"/> Powerlines
<input type="checkbox"/> Community/rural intermix
<input type="checkbox"/> Off-highway vehicles
<input type="checkbox"/> Recreation
<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Firewood cutting
<input type="checkbox"/> Hunting (Seasonal Fall/Winter)

<input type="checkbox"/> National Park Activities (near border) | <input type="checkbox"/> Children with matches
<input type="checkbox"/> Electronic sites
<input type="checkbox"/> Oil/gas/mining/propane/
helium plant
<input type="checkbox"/> Construction sites
<input type="checkbox"/> Maintenance Projects/
Canal Projects
<input type="checkbox"/> Landfill
<input type="checkbox"/> Agricultural burning
<input type="checkbox"/> Scenic Areas
<input type="checkbox"/> Fireworks
<input type="checkbox"/> Party areas
<input type="checkbox"/> Grain Elevators
<input type="checkbox"/> Wheat Harvest
(June-July)
<input type="checkbox"/> Sunflower Harvest (Oct) |
|---|--|

HAZARD COMPONENT (POTENTIAL TO BURN):

Fuels &

Topography Low

Medium

High

Fuels	Non-Irrigated Cropland Fallow	Short grass prairie Medium grass Prairie Prairie Sand/Sage Fence Row Tweeds	Riparian (cottonwood, tamarisk) CRP grass/NPS/Stubble/Crop Residue Weeds/tumbleweeds
Dwellings (as fuel)	0 per section	1-5per section	Greater than 5 per section
Windbreaks, Living Snow Fences	1 per section	1-5 per section	Greater than 5 per section

VALUES PRESENT IN THIS AREA (POTENTIAL FOR LOSS):

___ People/Life	___ Rare and endangered wildlife
___ Residential/commercial development	___ Rare and endangered plants
___ Wildlife habitat	___ Water/riparian areas
___ Wilderness (designated)	___ Watershed
___ Wild & Scenic rivers	___ Soils
___ Visual resources	___ Minerals
___ Political values	___ Cultural resources
___ Range/grazing	___ Timber
___ Scenic byways	___ Developed recreation
___ Hog Farms	___ Dispersed recreation
___ NPS (near south central border)	___ Windbreaks/living snow fences

*Prairie Wildlife – All High Value –

Assess with DOW, as applying mitigation strategies

National Threatened and Endangered List – Least Tern, Piping Plover.

National Species of Concern – Mountain plover, Blacktailed Prairie Dog, Swift Fox, Ferruginous Hawk, Massasauga Rattlesnake, Arkansas Darter (fish).

Colorado State Threatened – Burrowing Owl, Lesser Prairie Chicken.

Fire Protection Assessment For Cheyenne County, Colorado

Rural Areas

Area number 8

Rating: Risk L Hazard H, M & L Value H

RISK COMPONENTS (POTENTIAL FOR IGNITION) PRESENT IN THIS AREA:

- | | |
|---|--|
| <input type="checkbox"/> Debris burning (Trash/Pit burning)
<input type="checkbox"/> Travel corridors
<input type="checkbox"/> Railroads

<input type="checkbox"/> Lightning
<input type="checkbox"/> Electric fences

<input type="checkbox"/> Powerlines
<input type="checkbox"/> Community/rural intermix
<input type="checkbox"/> Off-highway vehicles
<input type="checkbox"/> Recreation
<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Firewood cutting
<input type="checkbox"/> Hunting (Seasonal Fall/Winter)

<input type="checkbox"/> National Park Activities (near border) | <input type="checkbox"/> Children with matches
<input type="checkbox"/> Electronic sites
<input type="checkbox"/> Oil/gas/mining/propane/
helium plant
<input type="checkbox"/> Construction sites
<input type="checkbox"/> Maintenance Projects/
Canal Projects
<input type="checkbox"/> Landfill
<input type="checkbox"/> Agricultural burning
<input type="checkbox"/> Scenic Areas
<input type="checkbox"/> Fireworks
<input type="checkbox"/> Party areas
<input type="checkbox"/> Grain Elevators
<input type="checkbox"/> Wheat Harvest
(June-July)
<input type="checkbox"/> Sunflower Harvest (Oct) |
|---|--|

HAZARD COMPONENT (POTENTIAL TO BURN):

Fuels &

<u>Topography</u>	<u>Low</u>	<u>Medium</u>	<u>High</u>
Fuels	Non-Irrigated Cropland Fallow	Short grass prairie Medium grass Prairie Prairie Sand/Sage Fence Row Tweeds	Riparian (cottonwood, tamarisk) CRP grass/NPS/Stubble/Crop Residue Weeds/tumbleweeds
Dwellings (as fuel)	0 per section	1-5per section	Greater than 5 per section
Windbreaks, Living Snow Fences	1 per section	1-5 per section	Greater than 5 per section

VALUES PRESENT IN THIS AREA (POTENTIAL FOR LOSS):

___ People/Life	___ Rare and endangered wildlife
___ Residential/commercial development	___ Rare and endangered plants
___ Wildlife habitat	___ Water/riparian areas
___ Wilderness (designated)	___ Watershed
___ Wild & Scenic rivers	___ Soils
___ Visual resources	___ Minerals
___ Political values	___ Cultural resources
___ Range/grazing	___ Timber
___ Scenic byways	___ Developed recreation
___ Hog Farms	___ Dispersed recreation
___ NPS (near south central border)	___ Windbreaks/living snow fences

*Prairie Wildlife – All High Value –

Assess with DOW, as applying mitigation strategies

National Threatened and Endangered List – Least Tern, Piping Plover.

National Species of Concern – Mountain plover, Blacktailed Prairie Dog, Swift Fox, Ferruginous Hawk, Massasauga Rattlesnake, Arkansas Darter (fish).

Colorado State Threatened – Burrowing Owl, Lesser Prairie Chicken.

Appendix B:

**2011 Annual Workplan
2013/14 Annual Workplan**

Cheyenne County Community Wildfire Protection Plan 2011 Annual Work plan

The purpose of the Community Wildfire Protection Plan is to provide stakeholders and those living in Cheyenne County with an overview of the wildland fire risks, hazards and values within the planning area; recommend possible courses of action to reduce the impacts of wildfire in the planned area; and to share a current action plan.

The main goals for 2011 are to: 1) share the CWPP and Mitigation Assessment Maps with the community at large (city councils, fire departments, Conservation District, and other boards); 2) Compile a list of mitigation efforts already done in the county, for future partnering and grant potentials; 3) Review the Firewise message and possibly do a mitigation assessment exercise with the fire departments; and, 4) As available, additionally share the CWPP and Mitigation Assessment Maps at local clubs/events (via club presentations, media, local events, and the County Fair).

There is no funding for this plan at this time. Potential grant applications may be considerations (For example, an IMR National Fire Plan Community Assistance Grant from the Department of Interior, National Park Service may become available for application).

To this end, the CWPP group has identified action items and completion dates for 2011. Action items are generally categorized under - A) Education and Outreach; B) Rules/Restrictions/Ordinances, and Enforcement; C) Prevention Planning; D) Fuels Mitigation; E) Grants and Administration.

A. Education and Outreach

1. Share the CWPP and Mitigation Assessment Maps with the community-at-large.
 - Who - Donna Davis & Team
 - What - Attend meetings to share
 - Where - City Councils, fire departments, conservation district
 - When - 2nd & 3rd Quarter
 - Costs - TBD
2. Cheyenne County Fair &/or Tumbleweed Festival information booth w/pamphlets/handouts, as available.
 - Who - Team (possibly with another entity)
 - What - Work with existing clubs at fair to display CWPP/Firewise
 - Where - Cheyenne County Fair
 - When - 3rd Quarter
 - Costs - TBD
3. Media Releases
 - Who - Team
 - What - CWPP planning initial stages; Cheyenne County Mitigation Assessment Map; Annual Plan.
 - Where - Cheyenne County Paper
 - When - 3rd Quarter

Costs - TBD

4. Fire Prevention Education

Who - Fire Departments
What - Fire Prevention Education
Where - Local Schools
When - Education Week
Costs - TBD

5. Fire Ecology Educational Box

Who - Team/Teachers
What - Teacher Educational Material
Where - Educational Box at Lamar Division of Wildlife Office
When - As available
Costs - No Cost

B. Rules/Restrictions/Ordinances, and Enforcement

1. Possible news releases during high fire danger

Who - Team
What - News Release(s)
Where - Local media
When - As conditions change

C. Prevention Planning

D. Fuels Mitigation and Revegetation

1. Identify and compile list of mitigation projects already done.

Who - Team
What - Identify completed projects for future partnering and grants.
Where - Countywide
When - 2011
Costs - TBD

2. Firewise review and mitigation assessment exercise on property with each fire department.

Who - Donna Davis & Team
What - Review Firewise and do an on ground mitigation assessment on a property.
Where - Fire Departments
When - 2011
Costs - TBD

E. Grants and Administration

1. Identify and compile list of mitigation projects already done – consider application for future partners and grants.

Who - Team
What - Identify completed projects for future partnering and grants.
Where - Countywide
When - 2011
Costs - TBD

2. Meetings/CWPP maintenance

Who - Team
What - updates/developments
Where - TBD
When - AWOP Mtg update; mid-year
Costs - TBD

2. Grants

Who - Team
What - Apply for grant(s) as partners and educational &/or mitigation as opportunities arise.

Cheyenne County Community Wildfire Protection Plan 2013-14 Annual Work plan

A. Education and Outreach

1. Continue to share the CWPP, Mitigation Assessment Maps & 2013/14 Annual Workplans, Firewise U.S.A. criteria with the community-at-large.
Who - Donna Davis & Team
What - Attend meetings to share
Where - County Commissioners, Chamber of Commerce, City Councils, fire departments, conservation district
When - Year-round 2013/14
Costs - TBD
2. Cheyenne County Fair (July 30-August 3, 2013 & 1st Week August 2014) &/or Tumbleweed Festival (3rd week July) information booth w/pamphlets/handouts, as available.
Who - Team (possibly with another entity)
What - Work with existing clubs at fair to display Firewise.org banner
Where - Cheyenne County Fair
When - 3rd Qtr
Costs - TBD

Consider Firewise.org bookmarks – library, county courthouse, etc.

3. Media Releases
Who - Team
What - Cheyenne County Mitigation Assessment Maps and 2013/14 Annual Plan; Firewise messages, as needed.
Where - Range Ledger
When - 2013/14
Costs - TBD
4. Fire Prevention Education – Firewise.org educational material
Who - Fire Departments
What - Fire Prevention Education
Where - Local Schools
When - Education Week
Costs - TBD
5. Fire Ecology Educational Box; Firewise.org educational material;
Firewise Program – Engaging Youth in Reducing Wildfire Risk
Who - Team/Teachers
What - Teacher Educational Material
Where - Educational Box at Lamar Division of Wildlife Office
When - As available
Costs - No Cost

B. Rules/Restrictions/Ordinances, and Enforcement

1. Possible news releases during high fire danger
 - Who - Team
 - What - News Release(s)
 - Where - Local media
 - When - As conditions change

C. Prevention Planning

D. Fuels Mitigation and Revegetation

1. Identify and compile list of mitigation projects already done.
 - Who - Team
 - What - Identify completed projects for future partnering and grants.
 - Where - Countywide
 - When - 2013/14
 - Costs - TBD
2. Firewise review and mitigation assessment exercise on property with each fire department.
 - Who - Donna Davis & Team
 - What - Review Firewise and do an on ground mitigation assessment on a property.
 - Where - Fire Departments
 - When - 2013
 - Costs - TBD

E. Grants and Administration

1. Identify and compile list of mitigation projects already done – consider application for future partners and grants.
 - Who - Team
 - What - Identify completed projects for future partnering and grants.
 - Where - Countywide
 - When - 2013/14
 - Costs - TBD
2. Meetings/CWPP maintenance
 - Who - Team
 - What - updates/developments
 - Where - TBD
 - When - Annually
 - Costs - TBD
3. Grants
 - Who - Team
 - What - Apply for grant(s) as partners and educational &/or mitigation as opportunities arise.

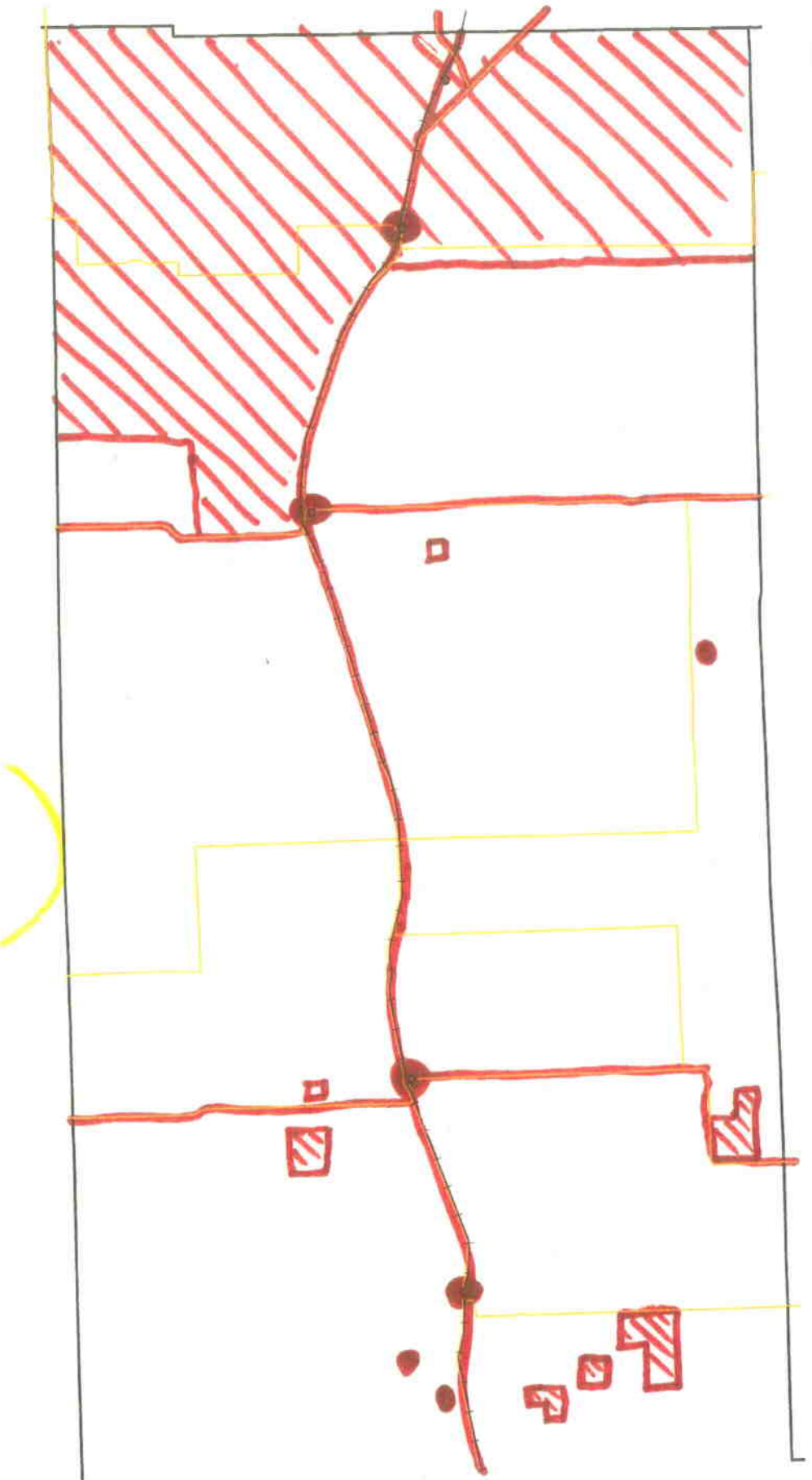
Communities do various mitigation projects – Mow city railroad right-a-ways, Spring Cleanup Day - Free landfill; Fall cleanup, for example. Some emergency grazing on CRP has been done. Firewise messages in the newspapers has occurred.

Various mitigation projects in the county were suggested. They included – draws around town (cave sides so vehicles can get across), bailers are always a potential concern, weed mowing in various locations, highway right-a-ways. Landowners implementing Firewise mitigation continues to be a need throughout the county.

Appendix C:
CWPP Cheyenne County Maps

Cheyenne County Community Wildfire Protection Plan

Risk Component (Potential for Ignition)
Red



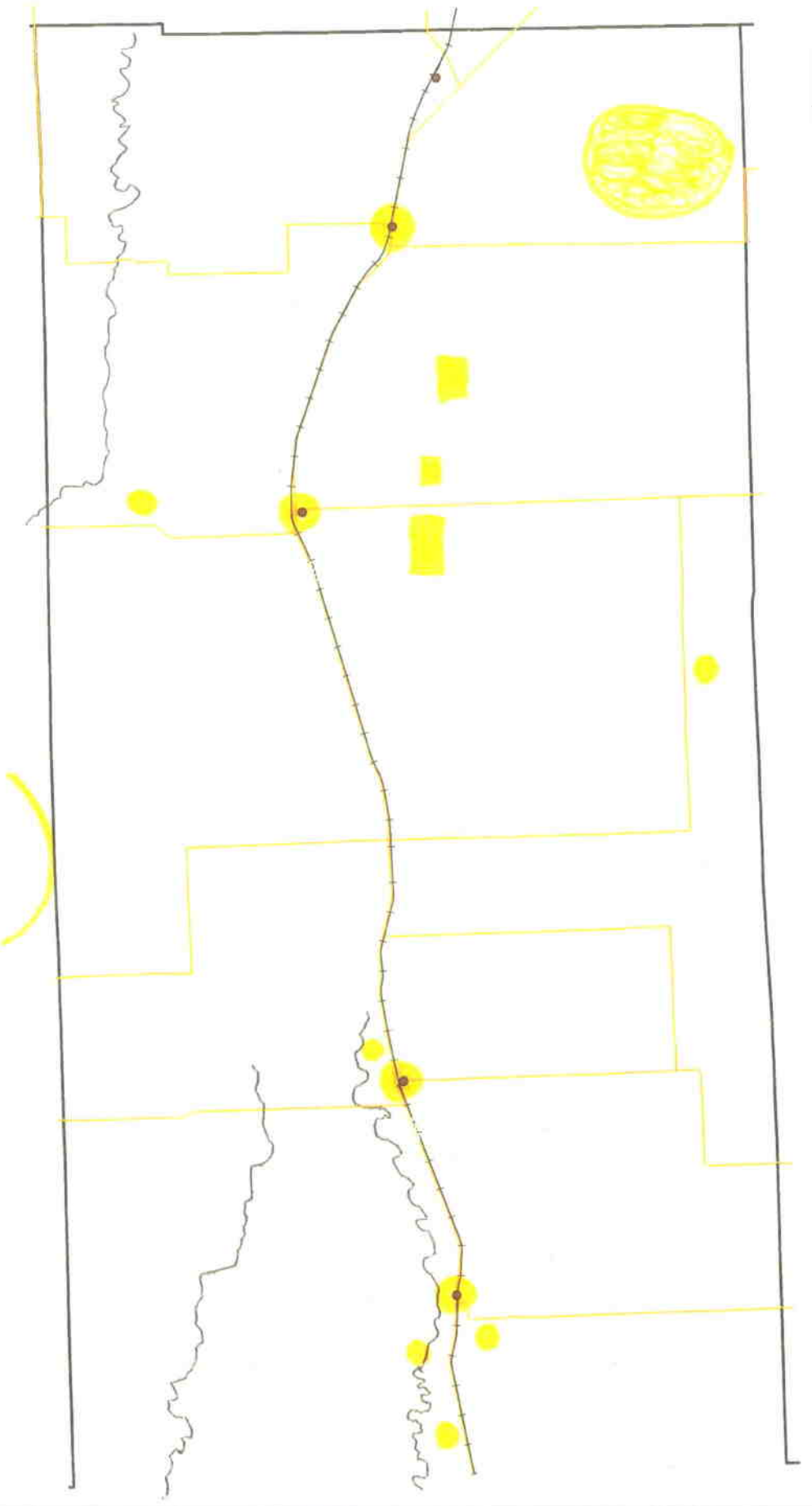
0 16,250 32,500 65,000 97,500 feet

Prepared By:
Colorado State Forest Service
La Junta District- 2010



Cheyenne County Community Wildfire Protection Plan

Values Present (Potential for Loss)
Yellow



0 16,250 32,500 65,000 97,500 Feet

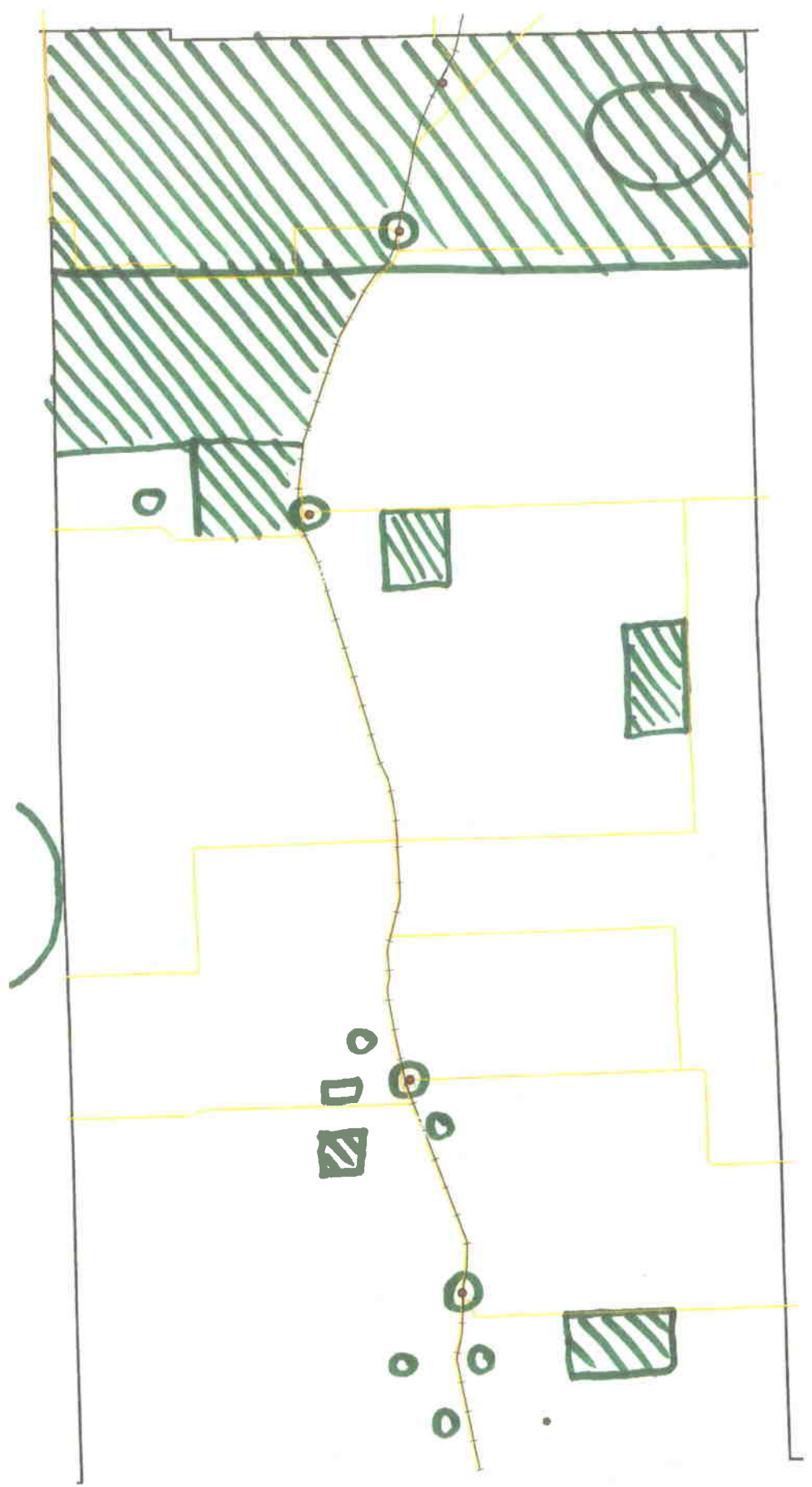


Prepared By:
Colorado State Forest Service
La Junta District- 2010



Cheyenne County Community Wildfire Protection Plan

Hazard Component (Potential to burn Fuel Green



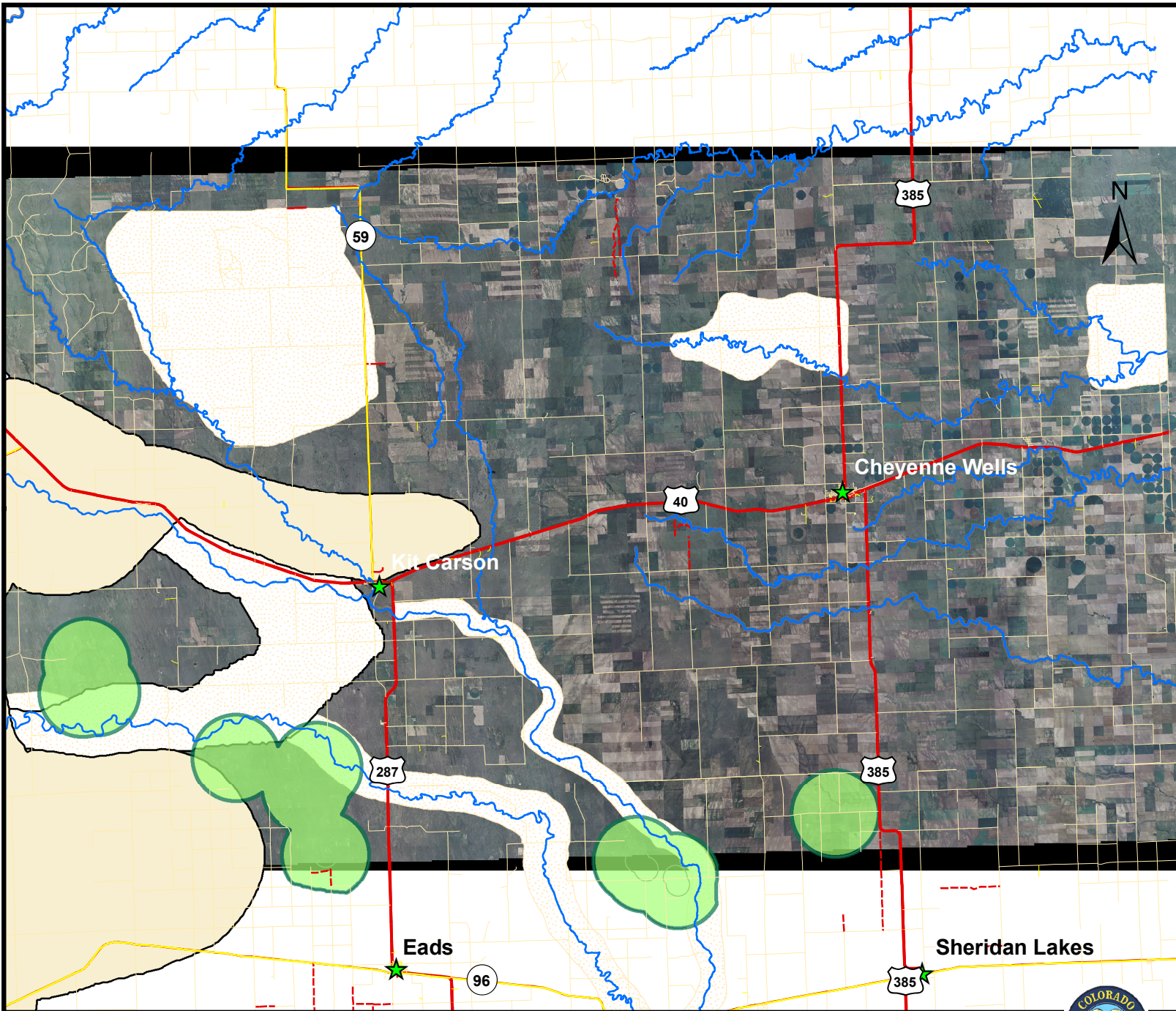
(Plus Creek Watersheds)



Prepared By:
Colorado State Forest Service
La Junta District- 2010




Cheyenne County - High Value Wildlife Areas




0 3 6 12 Miles



 Lesser Prairie Chicken Lek Areas

 Pronghorn Winter Range

 Big Game High-Value Area

Last Revised: 10-6-10