

*Pike and San Isabel NFs Comanche ad Cimarron NGs
5-Year Action Plan Narrative*

Resource: WFRP District(s): Comanche

Prepared by David J. Augustine	Date 12/15/04	Wildlife Biologist
Approved by Tom Peters	Date 12/15/04	District Ranger
Reviewed by Jeff Yost	Date 12/21/04	CDOW Biologist

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Lesser Prairie Chicken Habitat Monitoring (LPC)	Moderate	Monitoring

Location	Location (descriptive)
	All LPC Habitat in Comanche NG

Goals and Objectives
Monitor Lesser Prairie Chicken habitat condition, particularly nesting habitat, using Robel Pole. Data will be used to reassess cattle stocking rates annually in order to insure adequate nesting cover. The range and wildlife programs will cooperatively fund project (NFRG & NFWF).

Activity Proposed
Monitoring will be used to assess how variable cattle stocking rates in different pastures (assesses current situation; not a project planning assessment) affect nesting cover for lesser prairie chickens.
PAR Accomplishment: 46,800 acres per annum

Partnership Agreement # (s)	Internal	
Partner Name (s)	Range Program (NFRG)	
Expiration Date (s)		

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PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Lesser Prairie Chicken	High	Monitoring
Population Trend Monitoring		

Locations	Locations (descriptive)
	All LPC Habitat in Comanche NG; this area is in the
	Southeastern portion of the Grassland within suitable
	Sandsage prairie habitats

Goals and Objectives
Monitor the Lesser Prairie Chicken (LPC) population via lek and transect counts conducted in April each year. The goal is to monitor temporal trends in LPC abundance via lek counts and obtain quantitative density measures via transect counts that coincide with measures of LPC habitat quality. Surveys will be conducted by a coordinated group of CDOW and USFS employees plus volunteers. Intensive surveys of all LPC habitats will be conducted every three years, as CDOW has done in the past. Surveys of known leks will be conducted in intervening years.

Activity Proposed
Lesser prairie chicken population monitoring.
PAR Accomplishment: 39000 – 53000 acres/year monitoring

Partnership Agreement # (s)	Informal agreement	
Partner Name (s)	CDOW	
Expiration Date (s)		

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PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Lesser Prairie Chicken (LPC)	Moderate	Monitoring
Chicken Habitat Management		

Location	Location (descriptive)
	All LPC Habitat within Comanche NG

Goals and Objectives
Use a combination of strategies including prescribed burning, grazing management, and removal of unnecessary structures from LPC habitat on the Comanche. Burning goal will be one 320-acre burn in LPC habitat each spring, with burn locations designed to influence grazing distribution and increase vegetation heterogeneity. Burns may be conducted in collaboration with fuels-reduction burns, and funding will be sought from Quail Unlimited and the “Answer the Call” program. In years where burning is not possible, examine use of late-summer mastication/mowing to increase habitat heterogeneity. Grazing will also be monitored via Robel pole measurements described above and managed in response to the previous year’s rainfall. Out-year planning will be initiated for a project to remove existing trees within LPC habitat, and remove unnecessary fencing (e.g. old wildlife exclosures and partially downed fences not used by the range program).

Treatment Proposed
Prescribed burning at 320 acres per year; other habitat improvements at variable acreage per year.
PAR Accomplishment: 320 acres per annum if funds available

Partnership Agreement # (s)	In progress	
Partner Name (s)	CDOW and QU	
Expiration Date (s)		

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Reviewed by Jeff Yost	Date 12/21/04	CDOw Biologist

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Types
Mountain Plover Habitat Management and Population Monitoring	High	Habitat Maintenance & Population Monitoring

Location	Location (descriptive)
Carizzo Unit	Burning – Allotments 14G, 13A, 13D, 8E, 14E, 16D, 7A, 7B
	Grazing – To be determined
	Monitoring – all burning and grazing treatments

Goals and Objectives
Maintain adequate breeding habitat for mountain plover on the Comanche NG through a combination of prescribed fire and intensive grazing management. Monitor success of nesting plovers on burning and grazing treatments.

Treatments Proposed
At least one prescribed burn (approx 640 acres per year) conducted in early March of 2004. Burns will be targeted in allotments listed above.
Two intensive grazing pastures established in 2003 will be continued through 2005. New allotments for intensive grazing will be identified in 2005, while the 2003-2005 intensive grazing allotments will be returned to normal grazing pressure in 2006. Grazing treatments will consist of intensive winter and early-spring grazing (100-150 head/mi ²) in flat (<5% slope), short-grass prairie pastures.
PAR Accomplishment: 2560 acres over 5 years

Partnership Agreement # (s)	00-CO-11021206-029	
Partner Name (s)	CDOw	
Expiration Date (s)	In revision	

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Reviewed by Jeff Yost	Date 12/21/04	CDOW Biologist

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Mountain Plover Surveys	High	Planning, Treatment, Monitoring

Location	Location (descriptive)
All shortgrass prairie on the Comanche NG	20 Prairie dog colonies located within 13 allotments on the Carrizo Unit of the Comanche NG, plus 8 prairie dog colonies located within 5 allotments on the Timpas Unit.

Goals and Objectives
Monitor Mountain Plover presence and nesting success on 28 prairie dog colonies. Also monitor Mountain Plover presence and nesting success on allotments burned in March each year.

Activity Proposed
Mountain plover presence on prairie dog colonies.
PAR Accomplishment: 6000-7000 acres surveyed per year

Partnership Agreement # (s)		
Partner Name (s)	None	
Expiration Date (s)		

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PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Burrowing Owl Surveys	Low	Monitoring

Location	Location (descriptive)
Carizzo Unit	20 Prairie dog colonies located within 13 allotments on the Carrizo Unit of the Comanche NG, plus 8 prairie dog colonies located within 5 allotments on the Timpas Unit.

Goals and Objectives
Monitor burrowing owl abundance at permanent viewing points established at 20 prairie dog towns on the Carizzo Unit of the Comanche NG and 11 prairie dog towns on the Timpas Unit in May of each year.

Activity Proposed
Monitor prairie dog populations and colonies. These surveys will also provide information on burrowing owl response to any plague outbreaks that may occur in the prairie dog population.
PAR Accomplishment: 2500+ acres monitoring of 28 prairie dog towns.

Partnership Agreement # (s)		
Partner Name (s)	None	
Expiration Date (s)		

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Reviewed by Jeff Yost	Date 12/21/04	CDOW Biologist

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Prairie Dog Surveys	High	Monitoring

Location	Location (descriptive)
Comanche NG	Southeast Colorado

Goals and Objectives
Measure size and create a map each year of all prairie dog colonies on the Comanche National Grassland. In 2005, monitoring will be done in cooperation with Kansas State University (Dr. Jack Cully). Additional monitoring conducted by KSU will include the types of other small mammals inhabiting prairie dog towns and the presence of plague in the prairie dog and other small mammal populations. Monitoring after 2005 may be shifted to FS staff as KSU study is completed.

Activities Proposed
GIS mapping of prairie dog colonies; small mammal monitoring.
PAR Accomplishment: 442,000 acres

Partnership Agreement # (s)		
Partner Name (s)	Kansas State University	
Expiration Date (s)	8/1/05	

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District(s): Comanche

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Reviewed by Jeff Yost	Date 12/21/04	CDOW Biologist

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Grassland Raptor Surveys	Moderate	Monitoring

Location	Location (descriptive)
Carizzo Unit	UTM coordinates of all known nest sites provided in Raptor Surveys/Reports folder. Sites are distributed throughout the Carizzo Unit of the Comanche NG.

Goals and Objectives
Determine annual nesting activity (presence and success) by ferruginous hawks, and loggerhead shrikes on the Carizzo Unit of Comanche NG. Monitor ~200 known raptor nest sites identified by previous surveys (1996 – 2003), and use comparable methodology to allow trend analysis of nesting success by ferruginous hawks. Use surveys and habitat maps to evaluate possible effects of landscape structure/land use patterns on ferruginous hawk and loggerhead shrike nesting success. Also monitor raptor use of all trees protected with pipe or wooden cribs in previous years (12 existing crib sites plus 10 new sites protected in 2003) and monitor raptor use of artificial nest structures (9 sites). Repair cribs and artificial nest structures as necessary. In 2004, extend monitoring effort to a selected portion of the Timpas Unit.

Activity Proposed
Grassland raptor surveys for long-term management.
PAR Accomplishment: 254,000 acres per annum

Partnership Agreement # (s)	In progress	
Partner Name (s)	Dr. D. Wiggins and CDOW	
Expiration Date (s)		

***Pike and San Isabel NFs Comanche and Cimarron NGs
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Resource: WFRP **District(s):** Comanche & Cimarron NGs

Prepared by David J. Augustine	Date 12/15/04	Wildlife Biologist
Approved by Tom Peters	Date 12/15/04	District Ranger
Reviewed by Jeff Yost	Date 12/21/04	CDOW Biologist

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Grassland Bird Surveys	Moderate	Monitoring

Location	Location (descriptive)
Comanche NG (All)	Southeast Colorado and southwest Kansas
Cimarron NG (All)	

Goals and Objectives
Monitor abundance of grassland birds annually using section-based methodology developed by RMBO. Surveys will cover ~200 sections within the administrative boundaries of the Cimarron and Comanche National Grassland, and will document breeding-season abundance (and provide trend data) for long-billed curlew, Cassin’s sparrow, lark bunting, Brewer’s sparrow and grasshopper sparrow.

Activity Proposed
Long-term resident and migrant bird surveys to develop local trend data for research and management on the grasslands.
PAR Accomplishment: 128,000 acres (200 sections) across both Grasslands combined per annum

Partnership Agreement # (s)	Coordinated annually via John Sidle, Nebraska NF	
Partner Name (s)	RMBO	
Expiration Date (s)		

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PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Antelope Surveys	Moderate	Monitoring

Location	Location (descriptive)
Comanche NG	Southeast Colorado

Goals and Objectives
Monitor distribution and abundance of pronghorn antelope on the Comanche NG. During aerial surveys of southeast Colorado conducted by CDOW (includes all of the Comanche NG), GPS locations of herds will be recorded. Herd locations will be analyzed by USFS to obtain yearly maps of antelope within the Comanche NG administrative boundary, and to analyze their distribution relative to federal and private lands within that boundary. The Timpas Unit (185,000 acres) and the Carrizo Unit (254,000 acres) will be surveyed in alternate years.

Activity Proposed
Survey and mapping of antelope populations on the Comanche NG.
PAR Accomplishment: 185,000 – 254,000 acres annually

Partnership Agreement # (s)	Informal agreement	
Partner Name (s)	CDOW	
Expiration Date (s)		

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PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Guzzler Maintenance	Low	Install/maintain guzzlers

Location	Location (descriptive)
Comanche NG	Southeast Colorado

Goals and Objectives
Repair/improve quail guzzlers on the Comanche NG. Remove guzzlers in locations not used by quail, and install low-maintenance steel guzzlers in locations that receive high use by quail. Identify appropriate sites and plant shrub patches to improve quail habitat.

Treatment Proposed
Install/maintain upland bird water collection structures.
PAR Accomplishment: 10 structures annually

Partnership Agreement # (s)	01-CO-11021206-057	
Partner Name (s)	Quail Unlimited	
Expiration Date (s)		

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PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Riparian Habitat Restoration	High	Tamarisk Removal

Location	Location (descriptive)
	Picketwire Canyon

Goals and Objectives
Remove tamarisk from patches along the Purgatoire River in Picketwire Canyon to facilitate cottonwood and willow regeneration. Monitor tamarisk mortality, cottonwood regeneration and turkey activity on treatment sites. Annually evaluate need for future projects to re-establish native plant species in blocks where tamarisk eradication has been successful.

Treatment Proposed
Use mechanical and herbicide treatment to remove all salt cedar from 20 – 200 acres patches along the Purgatoire River in Picketwire Canyon. All work will be conducted in collaboration with the PSICC Fire Program, with wildlife habitat improvement funds focused on herbicide treatments.
PAR Accomplishment: ≥120 acres per partnership agreement

Partnership Agreement # (s)	01-CO-11021206-099	
Partner Name (s)	National Wild Turkey Federation	
Expiration Date (s)		

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PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Quail Habitat Improvement	Low	Disturbance tillage and burning

Location	Location (descriptive)
	Allotment 17A

Goals and Objectives
Facilitate growth of forbs, such as native sunflower, that respond to tilling and burning disturbances. Project goal is to improve local food availability for quail to increase the population carrying capacity on the grasslands.

Treatment Proposed
Apply disturbance tilling to 3-5 acres within the ungrazed 40-acre section west of CR36 in 2005. Burn 160 acres west of CR36.
PAR Accomplishment: ≥ 40 acres food plots

Partnership Agreement # (s)	To be developed	
Partner Name (s)	Quail Unlimited & CDOW	
Expiration Date (s)		

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Reviewed by Jeff Yost	Date 12/21/04	COW Biologist

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Swift Fox Surveys	Low	Monitoring

Location	Location (descriptive)
Comanche NG	Carizzo Unit

Goals and Objectives
Monitor abundance of swift foxes on Comanche NG. Survey will use smoked-plate scent stations, which have proven effective in monitoring swift fox on other National Grasslands. Survey will be conducted in collaboration with CDOW staff. Also collaborate with scientists from Utah State University to monitor swift fox response to prescribed burning on the Timpas Unit in 2005.

Activity Proposed
Swift fox monitoring
PAR Accomplishment: 500+ acres monitoring per annum

Partner Name (s)	CDOW & Utah State University	
Expiration Date (s)		

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Approved by Tom Peters	Date 12/15/04	District Ranger
Reviewed by Jeff Yost	Date 12/21/04	CDOV Biologist

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Cottonwood Monitoring	High	Monitoring

Location	Location (descriptive)
Comanche NG	Carizzo Unit

Goals and Objectives
Monitor abundance of cottonwood in Holt Canyon, Sand Canyon, and Picketwire Canyon. Surveys will use transects distributed systematically along the length of each of the 3 canyons, including locations that do and do not currently have cottonwood. Surveys will be initiated in Holt and Sand Canyons in 2005, and in Picketwire Canyon in 2006. Data collected (size classes, dbh, stem densities, etc) will follow protocol initiated on the Cimarron NG in 1999.

Activity Proposed
Cottonwood riparian age class and reproductive surveys. Surveys will be repeated at 5-year intervals.
PAR Accomplishment: ≥ 30 stream miles every 5 th year

Partner Name (s)	N/A	
Expiration Date (s)		

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Approved by Tom Peters	Date 12/15/04	District Ranger
Reviewed by Jeff Yost	Date 12/21/04	CDOV Biologist

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Playa Lakes Management	Low	Habitat Improvement (Flooding)

Location	Location (descriptive)
Comanche NG	Carizzo Unit

Goals and Objectives
Develop infrastructure to seasonally flood two playa lakes on the Comanche NG, and implement spring and fall flooding during dry years to provide migratory duck habitat. Infrastructure will involve pipeline extensions and necessary agreements with Grazing Association to use water from an existing livestock pipeline. Planning and necessary NEPA during 2005-2006, implementation during 2007-2009.

Treatment Proposed
Playa structure developments and water quality/quantity enhancement projects.
PAR Accomplishment: 2 structures; 1 BA/BE and EA

Partner Name (s)	N/A	
Expiration Date (s)		

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Prepared by Andy Chappell	Date 2-9-05	Biologist
Approved by Joe Hartman	Date 2-10-05	District Ranger
Reviewed by/ Daryl Fisher /	Date 2/15/95	District Wildlife Biologist KDWP

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Guzzler Maintenance/Food Plots/Habitat Improvements	High	Structure Maintenance

Location	Location (descriptive)
	Throughout Cimarron National Grassland

Goals and Objectives
Repair aging guzzlers and cleanup unsightly debris in guzzler exclosures. This project is done co-operatively with Kansas Department Wildlife & Parks. There are approximately 85 guzzlers on the Grassland. This project would maintain 8 to 10 per year. KDWP to plant food plots in spring and fall.

Treatment Proposed
Make repairs to selected guzzlers including: replace rusted metal tanks with plastic tanks, replace rotten boards and reattach loose roofing tin and gutter material. Remove old scraps of metal and wood that have accumulated in guzzler exclosures and detract from visual quality of the grassland. Post/brush piles designed for wildlife habitat will be left or repaired. Plant food plots and make other habitat improvements.
PAR Accomplishment: 10 Wildlife Structures & maintenance program

Partnership Agreement # (s)	
Partner Name (s)	KDWP
Expiration Date (s)	

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Approved by Joe Hartman	Date 2-10-05	District Ranger
Reviewed by/ Daryl Fisher /	Date 2/15/05	District Wildlife Biologist KDWP

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Prescribe Fire for Mountain Plover	Low	Habitat Treatment

Location	Location (descriptive)
	Throughout Cimarron National Grassland

Goals and Objectives
Enhance wildlife habitat, particularly early-seral grassland (foraging habitat), using prescribed burns which remove decadent vegetation and stimulate plant growth. Project would improve mountain plover habitat as well as other wildlife species.

Treatment Proposed
Uses prescribed fire to burn large blocks of wildlife habitat north of the Cimarron River. Propose to burn approximately 320 acres at a time.
PAR Accomplishment: ≥ 320 Acres

Partnership Agreement # (s)		
Partner Name (s)		
Expiration Date (s)		

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Reviewed by/ Daryl Fisher /	Date 2-15-05	District Wildlife Biologist KDWP

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Riparian Vegetation Enhancement Project	High	Salt Cedar Reduction Treatments

Location	Location (descriptive)
	Throughout Cimarron River Corridor

Goals and Objectives
Reduce dominance of tamarisk along the Cimarron River corridor and enhance regeneration of native trees, shrubs and understory vegetation. Enhance wildlife habitat, particularly early-seral grassland (foraging habitat), using mechanical, herbicide and prescribed burn treatments.

Treatment Proposed
Use prescribed fire and/or mechanical treatments and herbicide application to open up tamarisk thickets and limit tamarisk regeneration. Native tree and shrub species will be planted using local cuttings or nursery grown stock. Periodic follow-up with herbicide application on tamarisk sprouts is anticipated.
PAR Accomplishment: 500 Acres Wildlife Habitat Restored/Tamarisk Reduction

Partnership Agreement # (s)	03-CO-11021207-020 04-CO-11021207-012	
Partner Name (s)	QU, RMEF, KDWP	
Expiration Date (s)	December 2005	

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Approved by Joe Hartman	Date 2-10-05	District Ranger
Reviewed by/ Daryl Fisher /	Date 2/15/05	District Wildlife Biologist KDWP

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Mountain Plover Monitoring	Low	Monitor & Habitat Treatments

Location	Location (descriptive)
	Throughout Cimarron National Grassland

Goals and Objectives
Monitor mountain plover activity on the Cimarron National Grassland. Survey black-tailed prairie dog towns and other habitat areas for breeding pairs or other activity. KDWP would assist with surveys.

Treatment Proposed
Monitor, and adjust accordingly, the grazing schedule in potential Mountain plover habitat.
PAR Accomplishment: ≥5000 Acres per annum

Partnership Agreement # (s)	Informal	
Partner Name (s)	KDWP	
Expiration Date (s)		

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Approved by Joe Hartman	Date 2-10-05	District Ranger
Reviewed by/ Daryl Fisher /	Date 2/15/05	District Wildlife Biologist KDWP

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Burrowing Owl Surveys	High	Monitoring

Location	Location (descriptive)
	Throughout Cimarron National Grassland where habitat exists.

Goals and Objectives
Conduct surveys of black-tailed prairie dog towns for presence and the number of owls per town. Continue long-term data collection (30+ years of data). Because of controversial management issues, objective data with best available science is imperative to objectively assess for decision making (especially with ranching community).

Activity Proposed
Prairie dog colonies management. Annual population trend monitoring.
PAR Accomplishment: ≥3000 Acres per annum

Partnership Agreement # (s)		
Partner Name (s)	KSU, KDWP	
Expiration Date (s)		

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Approved by Joe Hartman	Date 2-10-05	District Ranger
Reviewed by/ Daryl Fisher /	Date 2/15/05	District Wildlife Biologist KDWP

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
MIS Monitoring	High	Monitoring

Location	Location (descriptive)
	Throughout Cimarron National Grassland Black-Tailed Prairie Dog Towns
	Lesser-prairie chicken habitat south of the Cimarron River

Goals and Objectives
Kansas State University, by Jack Cully, will conduct the monitoring through the use of GPS and monitor size of black-tailed prairie dog towns, and create a GIS map for the Cimarron National Grassland and document the presence of plague. Work cooperatively with KDWP to monitor lesser prairie-chicken populations and nesting habitat condition utilizing Robel Pole methods. Data will be used to assess vegetation use rates to insure sufficient nesting cover.

Treatment Proposed
Conduct lesser prairie-chicken lek surveys and transect counts cooperatively with KDWP. Monitor lesser prairie-chicken nesting habitat condition utilizing Robel Pole methods.
PAR Accomplishment: 41,240 Acres per annum

Partnership Agreement # (s)		
Partner Name (s)	Kansas State University KDWP	
Expiration Date (s)		

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Approved by Joe Hartman	Date 2-10-05	District Ranger
Reviewed by/ Daryl Fisher /	Date 2/15/05	District Wildlife Biologist KDWP

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Grassland Raptors	Low	Monitoring

Location	Location (descriptive)
	Throughout Cimarron National Grassland

Goals and Objectives
Conduct Grassland raptor inventories and monitoring. Monitor artificial nest structures and known nest tree sites to determine raptor-nesting activity. Maintain raptor recovery facility and qualifications. KDWP will assist with picking up injured birds and transportation.

Treatment Proposed
Grassland raptors population monitoring. Annual data collection
PAR Accomplishment: 3000 Acres per annum

Partnership Agreement # (s)		
Partner Name (s)	KDWP	
Expiration Date (s)		

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Reviewed by/ Daryl Fisher /	Date 2/15/05	District Wildlife Biologist KDWP

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Cattail Control in Pond	High	Pond Maintenance

Location	Location (descriptive)
	All of the Fishing ponds located within the Cimarron River corridor.

Goals and Objectives
Reduce the number of cattails at the fishing ponds. Cattails have been choking out access and availability of open water. This affects recreation use and fish habitat. Decadent plant material has been building up, and decaying matter has been using the available oxygen in the ponds, which puts stress on the fish. KDWP would assist with this project with labor and in-kind equipment.

Treatment Proposed
Lake mowing, herbicide spraying, burning and dredging could all be used to accomplish this task. There are approximately 30 acres of aquatic habitat. Approximately 10 acres a year would be treated.
PAR Accomplishment: 10 Acres of Aquatic Habitat Restored/Enhanced per annum

Partnership Agreement # (s)	05-CO-11021207-004	
Partner Name (s)	KDWP	
Expiration Date (s)	2005	

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: WFRP District: Cimarron

Prepared by Andy Chappell	Date 2-9-05	Biologist
Approved by Joe Hartman	Date 2-10-05	District Ranger
Reviewed by/ Daryl Fisher /	Date 2/15/05	District Wildlife Biologist KDWP

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Riparian Vegetation Monitoring	High	Monitoring

Location	Location (descriptive)
	Throughout Cimarron River Corridor

Goals and Objectives
Obtain quantitative evaluation of riparian woodland restoration project, which includes tamarisk treatment and planting native trees and shrubs.

Activity Proposed
Oklahoma State University will quantify vegetation characteristics (woody and herbaceous species) at plots within treatment and control areas along the Cimarron River corridor. Results will be compared with pre-treatment measurements to evaluate effectiveness of treatments at restoring favorable habitat conditions along the Cimarron River.
PAR Accomplishment: 500 Acres

Partnership Agreement # (s)	CCS-12-07-99-074	
Partner Name (s)	Oklahoma St. University	
Expiration Date (s)	2005	

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: WFRP **District(s):** Cimarron & Comanche

Prepared by Andy Chappell	Date 2-9-05	Biologist
Approved by Joe Hartman	Date 2-10-05	District Ranger
Reviewed by/ Daryl Fisher /	Date 2/15/05	District Wildlife Biologist KDWP

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Grassland Bird Surveys	Moderate	Monitoring

Location	Location (descriptive)
	Throughout Morton County Kansas, Including Cimarron National Grassland

Goals and Objectives
Monitor abundance of grassland birds annually using section-based methodology developed by RMBO. Surveys will cover approximately 200 sections within the administrative boundaries of the Cimarron and Comanche National Grasslands and will document breeding –season abundance (and provide trend data) for long-billed curlew, Cassin’s sparrow, lark bunting, Brewer’s sparrow and grasshopper sparrow.

Activity Proposed
Resident and migrant bird monitoring.
PAR Accomplishment: 128,000 acres (200 Sections) across both Cimarron & Comanche National Grasslands per annum

Partnership Agreement # (s)	Coordinated annually via John Sidle, Nebraska NF	
Partner Name (s)	RMBO	
Expiration Date (s)		

***Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative***

Resource: WFRP

Districts: Salida & Leadville

Prepared by: Mike Wrigley & Matt Comer	Date: Mar. 2005	Wildlife Biologists
Approved by: Charles E. Medina & James E. Zornes	Date: Mar. 2005	District Rangers
Reviewed by: Jim Aragon	Date: Mar. 2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Abert's squirrel monitoring/surveys	High	Inventory/Monitoring

Locations	Locations (descriptive)
Various areas within ponderosa pine and mixed fir forests on the district	Collegiate Peaks, Four mile, Kaufman, Cochetopa, Three Elk, Four Elk and other areas not yet identified

Goals and Objectives
Monitor known Abert's squirrel (MIS) populations and inventory new areas on the Salida and Leadville Ranger Districts.

Activity Proposed
Identify and monitor populations and determine whether land management activities including vegetation treatments, or other activities affect populations. Monitor trends for this MIS to comply with regulations.

PAR Accomplishment: ≥600 ac/yr

Partnership Agreement # (s)	Being developed	
Partner Name (s)	Colorado College?	
Expiration Date (s)		

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: WFRP

Districts: Salida and Leadville

Prepared by: Mike Wrigley & Matt Comer	Date: Mar. 2005	Wildlife Biologists
Approved by: Charles E. Medina & James E. Zornes	Date: Mar. 2005	District Rangers
Reviewed by: Jim Aragon	Date: Mar. 2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Black swift monitoring/surveys	Low	Inventory/Monitoring

Location	Location (descriptive)
Various areas on both districts	Waterfall habitats

Goals and Objectives
Monitor known black swift populations and inventory new areas on the Salida and Leadville Ranger Districts.

Activity Proposed
Identify and monitor populations and determine whether land management activities including recreation, vegetation treatments, or other activities affect populations
PAR Accomplishment: ≥4 sites each year

Partnership Agreement # (s)	N/A	
Partner Name (s)		
Expiration Date (s)		

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: WFRP

District: Salida and Leadville

Prepared by: Mike Wrigley & Matt Comer	Date: Mar. 2005	Wildlife Biologists
Approved by: Charles E. Medina & James E. Zornes	Date: Mar. 2005	District Rangers
Reviewed by: Jim Aragon	Date: Mar. 2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Boreal toad monitoring/surveys	High	Inventory/Monitoring

Location	Location (descriptive)
Various areas on both districts	Collegiate Peaks (Sawatch Range) and other suitable habitat areas not yet surveyed

Goals and Objectives
Monitor known boreal toad populations and inventory new areas on the Salida and Leadville Ranger Districts. Boreal is in the USFWS listing process (threatened).

Activity Proposed
Identify and monitor populations and determine whether land management activities including grazing, recreation, vegetation treatments, or other activities affect populations
PAR Accomplishment: 8 sites each year

Partnership Agreement # (s)	none	
Partner Name (s)	CNHP?	
Expiration Date (s)		

***Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative***

Resource: WFRP

District: Leadville

Prepared by: Matt Comer	Date: Mar. 2005	Wildlife Biologist
Approved by: James E. Zornes	Date: Mar. 2005	District Ranger
Reviewed by: Jim Aragon	Date: Mar. 2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Peregrine and Prairie Falcon surveys/monitoring	High	Inventory/Monitoring

Location	Location (descriptive)
Leadville District	Cliff habitats where they occur on the district

Goals and Objectives
Monitor known peregrine and prairie falcon populations and inventory new areas on the Leadville Ranger District.

Activity Proposed
Identify and monitor populations and determine whether land management activities including recreation, vegetation treatments, or other activities affect populations
PAR Accomplishment: ≥3 eyries per year

Partnership Agreement # (s)	N/A	
Partner Name (s)		
Expiration Date (s)		

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: WFRP

District: Salida and Leadville

Prepared by: Mike Wrigley & Matt Comer	Date: Mar. 2005	Wildlife Biologists
Approved by: Charles E. Medina & James E. Zornes	Date: Mar. 2005	District Rangers
Reviewed by: Jim Aragon	Date: Mar. 2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Flammulated owl monitoring/surveys	Low	Inventory/Monitoring

Location	Location (descriptive)
Ponderosa pine/mixed fir forests	Various areas on the Salida and Leadville districts

Goals and Objectives
Survey and monitor suitable habitats on the Salida and Leadville Ranger Districts.
Little or no baseline information is available on the PSICC.

Activity Proposed
Identify and monitor populations and determine whether land management activities including recreation, vegetation treatments, or other activities that may affect populations
PAR Accomplishment: 150 acres per annum

Partnership Agreement # (s)	Being developed	
Partner Name (s)	CNHP	
Expiration Date (s)		

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: WFRP

District: Leadville

Prepared by: Mike Wrigley & Matt Comer	Date: Mar. 2005	Wildlife Biologist
Approved by: James E. Zornes	Date: Mar. 2005	District Ranger
Reviewed by: James E. Zornes	Date: Mar. 2005	Area Wildlife Manager Jim Aragon

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Northern goshawk monitoring/surveys	High	Inventory/Monitoring

Location	Location (descriptive)
Leadville District	Within suitable habitat areas on the district

Goals and Objectives
Monitor known goshawk Regional Forester Sensitive Species (RFSS) populations; also inventory new areas where planned hazardous fuels and other forest treatments occur.
Review potential hazardous fuels projects that may improve habitat conditions and/or reduce fire hazards compared with wildfires that may have adverse effects on goshawks.

Activity Proposed
Inventory thinning, salvage of beetle-killed trees, prescribed burning, and other projects.
PAR Accomplishment: 500+ acres per annum (may be variable by year)

Partnership Agreement # (s)	N/A	
Partner Name (s)		
Expiration Date (s)		

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: WFRP

District: Leadville

Prepared by: Matt Comer	Date: Mar. 2005	Wildlife Biologist
Approved by: James E. Zornes	Date: Mar. 2005	District Ranger
Reviewed by: Jim Aragon	Date: Mar. 2005	Area Wildlife Manager Jim Aragon

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Leadville Wildlife interpretive education	High	Information & Education

Location	Location (descriptive)
Leadville District	District-wide

Goals and Objectives
Enhance wildlife interpretive education opportunities on the district. In addition to programs for the public—'06 build Crystal Lakes interpretive site and Ski Cooper interpretive signs, '07 Turquoise Lake nature trail update, '08 Twin Lakes interpretive trail, '09 Ski Cooper skicology activities, '10 Independence Pass interpretive site.

Treatment Proposed
Interpretative and educational developments around Crystal Lakes.
PAR Accomplishment: 1 site/yr in addition to ongoing educational activities

Partnership Agreement # (s)	N/A	
Partner Name (s)		
Expiration Date (s)		

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: WFRP

District: Leadville

Prepared by: Matt Comer	Date: Mar. 2005	Wildlife Biologist
Approved by: James E. Zornes	Date: Mar. 2005	District Ranger
Reviewed by: Jim Aragon	Date: Mar. 2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Lynx habitat ground truth/ old growth inventory	Low	Inventory/Monitoring

Location	Location (descriptive)
Leadville District	District-wide

Goals and Objectives
Visit areas on the district with CVU data to ground truth lynx and old growth classifications. Assessments will increase accuracy of BA/BE and other NEPA documents for assessing recovery, protection and enhancement for listed species.

Activity Proposed
Lynx habitat assessments as part of PSICC's effort to assist in recovery of listed species.
PAR Accomplishment: 5,000 ac/year for a total of 15,000 ac

Partnership Agreement # (s)		
Partner Name (s)		
Expiration Date (s)		

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: WFRP

District: Leadville

Prepared by: Matt Comer	Date: Mar. 2005	Wildlife Biologist
Approved by: James E. Zornes	Date: Mar. 2005	District Ranger
Reviewed by: Jim Aragon	Date: Mar. 2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Osprey monitoring	High	Inventory/Monitoring

Location	Location (descriptive)
Leadville	Twin Lakes and Turquoise Lake

Goals and Objectives
Monitor known osprey nests on the district. Record reproductive success for long-term trend data of a Regional Forester Sensitive Species.

Treatment Proposed
Build a nesting platform on the north shore of Turquoise Lake; monitor known nests.
PAR Accomplishment: monitor ≥ 2 sites per year; build 1 nest structure

Partnership Agreement # (s)	Informal	
Partner Name (s)	CDOW	
Expiration Date (s)		

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: WFRP

District: Leadville

Prepared by: Matt Comer	Date: Mar. 2005	Wildlife Biologist
Approved by: James E. Zornes	Date: Mar. 2005	District Ranger
Reviewed by: Jim Aragon	Date: Mar. 2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Road closure enforcement	Medium	Monitoring

Location	Location (descriptive)
Leadville	District-wide

Goals and Objectives
Patrol popular hunting/firewood cutting areas during big game seasons where there are motorized access issues. Reduce recreational conflicts with resource protection.

Activity Proposed
Transportation monitoring
PAR Accomplishment: 10 days per year/Miles of road assessed

Partnership Agreement # (s)		
Partner Name (s)	N/A	
Expiration Date (s)		

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: WFRP

Districts: Leadville

Prepared by: Matt Comer	Date: Mar. 2005	Wildlife Biologist
Approved by: James E. Zornes	Date: Mar. 2005	District Ranger
Reviewed by: Jim Aragon	Date: Mar. 2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Winter tracks monitoring/surveys	Low	Inventory/Monitoring

Location	Location (descriptive)
Various areas on the Leadville district	Mountain passes and high elevation valleys

Goals and Objectives
Monitor potential winter habitats for Canada lynx, wolverine, snowshoe hare, marten, ptarmigan, and other species in the snow to determine use patterns and presence on the Leadville Ranger District.

Activity Proposed
Identify and monitor populations and determine whether land management activities including recreation, vegetation treatments, or other activities affect populations
PAR Accomplishment: 1,000 acres per year

Partnership Agreement # (s)	none	none
Partner Name (s)	CNHP?	HMI?
Expiration Date (s)		

Pike and San Isabel NFs Comanche and Cimarron NGs 5-Year Action Plan Narrative

Resource: WFRP

District(s): San Carlos/Salida/Leadville

PROJECT DESCRIPTION

Prepared by: Phillip Gaines	Date: 3/29/05	Fishery Biologist
Reviewed by: Greg Policky	Date: 3/29/05	COW Fishery Biologist

Project Names (Multiple Locations)	Priority	Activity Type
Stream and lake habitat restoration and improvement	High	Aquatic habitat management, maintenance and improvement.

Locations (Multiple)	Locations (descriptive)
San Isabel Zone	Upper Huerfano R., Oak Cr. Road, Cottonwood Cr., Halfmoon Cr., Monarch Pass, Four Mile Cr., North Fork Purgatoire R., Cucharas R., North Fork Lake Cr.

Goals and Objectives
<p>The PSICC desires that habitats for all existing native and desired non-native fish species will be managed to maintain sustainable populations. Further, the PSICC Land and Resource Management Plan requires the Forest to maintain habitat capability at a level at least 80% of potential and improve fish habitat conditions, which may be limiting a fish population. Our goal is to meet Forest Service Policy and PSICC Land and Resource Management Plan objectives by improving and maintaining these habitats.</p> <p>Historic land use practices have resulted in fish habitat degradation within these streams, having adverse effects on local fish communities. The proposed habitat treatments would accelerate recovery in these areas benefiting fish and wildlife. After treatments are completed, brook trout abundance and biomass would likely increase and habitat quality for the federally listed greenback cutthroat trout would improve. These projects meet selection criteria used for funding decisions because projects are in the five-year plan, partner based with the Colorado Division of Wildlife and Trout Unlimited, and TES based. The Leadership Team has also identified monitoring Forest Management Indicator Species (brook trout and greenback cutthroat trout) as a forest priority.</p>

Treatments Proposed
<p>Necessary environmental documentation, Management Plans and appropriate assessments and surveys will be completed to determine specific treatments in stream or lake. Common treatments will include selective placement of wood and/or boulders streams to increase pool habitat where sediment deposition and lateral erosion persists, likely increasing fish biomass. Exposed sediment deposits in the riparian zones would be reshaped as needed. Other treatments will include bank stabilization techniques, re-vegetation, sediment reduction techniques, sediment removal and installation of culverts to increase fish passage. Follow-up surveys and monitoring will verify effectiveness of proposed treatments.</p>

<p>PAR Accomplishments: 9 miles stream improvement; 8 BA/BE & 8 Environmental Assessments; 13 stream structures; 2 culverts; 27 miles stream monitoring; 16 stream structure monitoring sites</p>

Partnership Agreement # (s)	To be developed when projects get funded
Partner Name (s)	COW and Trout Unlimited
Expiration Date (s)	

Pike and San Isabel NFs Comanche and Cimarron NGs 5-Year Action Plan Narrative

Resource: WFRP

District(s): San Carlos/Salida

Prepared by: Phillip Gaines	Date: 3/10/05	Fishery Biologist
Reviewed by: Greg Policky/Jim Melby	Date: 3/10/05	CDOW Fishery Biologists

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Greenback cutthroat trout	High	Reintroduction/recovery

Location	Location (descriptive)
San Isabel Zone	North Apache Creek, Graneros Creek, North Taylor Creek, Turkey Creek, Chaparral Creek, Newlin Creek, St. Charles River

Goals and Objectives
The greenback cutthroat trout was federally listed as endangered in 1973 and down listed to threatened status in 1978. The Forest Service collaborated with and served a leadership role on the Greenback Cutthroat Trout Recovery Team to develop the Greenback Cutthroat Trout Recovery Plan (1998). The plan's objective is the removal of this fish from the list of threatened and endangered species. Our goal is to assist in meeting this objective by establishing stable, self-sustaining populations of greenback cutthroat trout within their historic range. The proposed activities fall within the project selection criteria previously used for funding decisions; (1) the project is in the five-year plan, (2) the project is partner based with the Colorado Division of Wildlife or other stakeholders and (3) the project is TES based. The greenback cutthroat trout is also a Forest Management Indicator Species (MIS) and the Leadership Team has identified MIS monitoring as a Forest funding priority.

Treatment Proposed
The proposed activities will include feasibility monitoring and surveys/assessments to determine where natural and or man-made barriers exist, or should be constructed, to isolate stream sections from invasive fish species. Once barriers are established, invasive species will be chemically and/or physically removed from designated stream sections. Follow-up surveys will verify completeness of removal. Once invasive species removal has been verified, greenback cutthroat trout will be reintroduced and monitored.
PAR Accomplishment: 20 miles stream improvement; 2 BA/BE & 2 Environmental Assessments; 2 stream structures; 4 stream barriers; 20 miles stream monitoring; 8 greenback placement & monitoring sites.

Partnership Agreement # (s)	Informal	
Partner Name (s)	CDOW	
Expiration Date (s)	Open	

***Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative***

Resource: WFRP

District(s): Pikes Peak

Prepared by: Steve Culver	Date: 3/29/05	Fishery Biologist
Reviewed by: Doug Krieger/Gary Dowler	Date: 3/29/05	CDOW Fishery Biologists

PROJECT DESCRIPTION

Project Name (same as on spreadsheet)	Priority	Activity Type
Bear and Severy Creek Greenback Cutthroat Trout Protection Project	High	Habitat improvement and protection

Location	Location (descriptive)
	Bear Creek
	Severy Creek

Goals and Objectives
<p>Severy Creek and Bear Creek support recently discovered remnant populations of pure genetic greenback cutthroat trout, a threatened species. These two genetically pure greenback populations are considered very important for species recovery efforts. The Greenback Cutthroat Trout Recovery Plan's main goal is to recover this species from being a threatened species. The Forest Plan maintains that protection and improvement of threatened and endangered species habitats will receive primary management emphasis whenever listed species are present. This project's objective is to assist recovery efforts by improving greenback cutthroat trout's habitat conditions by reducing sediment from eroding trails and enhancing stream pool habitats. After treatments are completed, greenback cutthroat trout abundance will likely increase in treated streams.</p> <p>This project also meets priority criteria used for funding, because it is partner-based with the Colorado Division of Wildlife and Trout Unlimited. The Forest Leadership Team also identified monitoring of PSICC Management Indicator Species (MIS), as a management priority.</p>

Treatment Proposed
<p>The proposed activities include selectively placing trees in the stream channel to enhance important pool habitats and reclaiming non-system trails near the creeks to reduce sediment loading and protect riparian vegetation. Follow-up stream surveys would verify greenback response to proposed treatments.</p>
<p>PAR Accomplishments: Improve 2 miles of stream; Improve 2 miles of T&E habitat; Partner's contribute \$19,320 in-kind treatments (rotenone and greenback placements).</p>

Partnership Agreement # (s)		
Partner Name (s)	CDOW, Colorado Trout Unlimited (TU)	
Expiration Date (s)		

***Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative***

Resource: WFRP

District(s): Pikes Peak

Prepared by: Steve Culver	Date: 3/29/05	Fishery Biologist
Reviewed by: Doug Krieger/Gary Dowler	Date: 3/29/05	CDOW Fishery Biologists

PROJECT DESCRIPTION

Project Name (same as on spreadsheet)	Priority	Activity Type
Four-Mile Creek Habitat Improvement	Moderate	Habitat improvement and protection

Location	Location (descriptive)
	Four-Mile Creek

Goals and Objectives
<p>PSICC Land and Resource Management Plan goals call for improving habitat on suitable streams and providing stable stream channels. The plan directs that aquatic ecosystems may contain fisheries habitat improvement and channel stabilizing facilities that harmonize with the visual setting and maintain or improve wildlife or fish habitat requirements.</p> <p>The project objective is to improve habitat conditions degraded by excessive sediment and encroachment from the nearby road prism. Some sections of this stream have actively eroding banks, high channel width to depth ratio, few pools, and minimal riparian shrub cover. After treatments are completed, water quality, fish abundance and biomass would likely increase.</p> <p>This project also meets selection criteria previously used for funding decisions because it is partner-based with CDOW and Trout Unlimited (TU).</p>

Treatment Proposed
<p>The proposed activities include adding wood and rock to the stream channel to enhance important pool habitats and reclaiming disturbed areas near the creek to reduce sediment loading and protect riparian vegetation. Follow-up surveys will verify effectiveness of proposed improvements.</p>
<p>PAR Accomplishments: Improve 2 miles of stream; Partners contribute an estimated \$10,000 value.</p>

Partnership Agreement # (s)		
Partner Name (s)	CDOW, TU	
Expiration Date (s)		

***Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative***

Resource: WFRP

District(s): South Platte

Prepared by: Steve Culver	Date: 3/29/05	Fishery Biologist
Reviewed by: Greg Gerlich/Jeff Spohn	Date: 3/29/05	CDOF Fishery Biologists

PROJECT DESCRIPTION

Project Name (same as on spreadsheet)	Priority	Activity Type
Buffalo Creek Restoration	High	Habitat improvement and protection

Location	Location (descriptive)
	Buffalo Creek

Goals and Objectives
<p>PSICC Land and Resource Management Plan goals call for improving habitat on suitable streams and providing stable stream channels. The plan directs that aquatic ecosystems may contain fisheries habitat improvement and channel stabilizing facilities that harmonize with the visual setting and maintain or improve wildlife or fish habitat requirements.</p> <p>The project objective is to stabilize stream habitat and re-establish riparian vegetation in areas that have not fully recovered from the 1996 Buffalo Creek Fire and subsequent flood events. Despite natural recovery, there are some stream sections that continue to suffer from the wildfire and flooding effects. These sections have actively eroding banks, high channel width to depth ratio, few pools, and minimal riparian shrub regeneration. The proposed treatments would accelerate the recovery in these areas benefiting fish and wildlife along Buffalo Creek. After treatments are completed, trout abundance and biomass would likely increase and habitat quality for the federally listed Preble's meadow jumping mouse would improve.</p> <p>The proposed activities are part of the Upper South Platte Protection and Restoration Project a forest priority defined by the Leadership Team. This project also meets selection criteria previously used for funding decisions because it is partner-based with Coalition of the Upper South Platte (CUSP).</p>
Treatment Proposed
<p>Coarse wood and boulders would be selectively placed in the stream where sediment deposition and lateral erosion persists. Exposed sediment deposits in the riparian zone would be reshaped as needed and/or planted using certified weed-free indigenous material. Follow-up surveys would verify effectiveness of proposed treatments.</p>
<p>PAR Accomplishment: Improve 3 miles of stream; Partners contribute \$10,700 value.</p>

Partnership Agreement # (s)	Tentative
Partner Name (s)	CUSP
Expiration Date (s)	

***Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative***

Resource: WFRP

District(s): South Platte

Prepared by: Steve Culver	Date: 3/29/05	Fishery Biologist
Reviewed by: Greg Gerlich/Jeff Spohn	Date: 3/29/05	CDOF Fishery Biologists

PROJECT DESCRIPTION

Project Name (same as on spreadsheet)	Priority	Activity Type
Wildcat Canyon Restoration	High	Habitat restoration and protection

Location	Location (descriptive)
	Wildcat Canyon/South Platte River

Goals and Objectives
<p>PSICC Land and Resource Management Plan goals call for improving habitat on suitable streams, providing stable stream channels, and protecting riparian areas and wetlands from degradation.</p> <p>The project objective is to stabilize stream habitat and reestablish riparian vegetation in areas along the South Platte River in Wildcat Canyon that were damaged by the 2002 Hayman Fire and subsequent flood events and by off-road vehicle use. Damaged areas have actively eroding banks, excessive sediment deposition, and minimal riparian shrub regeneration. The proposed treatments would accelerate the recovery in these areas benefiting fish and wildlife along the South Platte River. After treatments are completed, trout abundance would likely increase and riparian habitat quality for wildlife would improve.</p> <p>The proposed activities are part of the Upper South Platte Protection and Restoration Project a forest priority defined by the Leadership Team. This project also meets selection criteria previously used for funding decisions because it is partner-based with CUSP.</p>

Treatment Proposed
Exposed disturbed areas and sediment deposits in the riparian zone would be reshaped as needed and/or planted using certified weed-free indigenous material. Coarse wood and boulders would be selectively placed in the stream where sediment deposition and lateral erosion persists. Barriers and signs would be strategically placed to help protect areas sensitive to certain recreational activities. Follow-up surveys would verify effectiveness of proposed treatments.
PAR Accomplishment: Stream miles per year based on available funding.

Partnership Agreement # (s)	Tentative
Partner Name (s)	CUSP, CDOW
Expiration Date (s)	

***Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative***

Resource: WFRP

District(s): South Platte, South Park and Pikes Peak

Prepared by: Steve Culver	Date: 3/29/05	Fishery Biologist
Reviewed by: Greg Gerlich/Jeff Spohn	Date: 3/29/05	COW Fishery Biologist

PROJECT DESCRIPTION

Project Name (same as on spreadsheet)	Priority	Activity Type
Aquatic MIS Habitat and Population Monitoring	High	MIS Monitoring and Evaluation

Location	Location (descriptive)
San Isabel Zone	Smaller Streams in Pike National Forest

Goals and Objectives
<p>PSICC Land and Resource Management Plan goals and directions call for providing suitable habitat to maintain viable populations of all Management Indicator Species (MIS). The plan also directs that MIS population trends and relationships to habitat changes caused by management activities will be monitored. The project objective is to determine the progress toward achieving Forest Plan goals and management requirements pertaining to fish.</p> <p>This project meets selection criteria used for funding decisions because it is TES based. The Leadership Team also identified monitoring Forest MIS, like brook trout and greenback cutthroat trout, as a forest priority.</p>

Activity Proposed
Proposed activities include sampling MIS fish populations in representative stream segments using a backpack electro-fisher. Concurrent with the fish sampling, stream habitat conditions will be assessed.
PAR Accomplishment: Monitor 20 stream segments (miles) per year; Partners contribute \$5,000 value of in-kind services.

Partnership Agreement # (s)	Informal
Partner Name (s)	COW
Expiration Date (s)	

***Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative***

Resource: WFRP

District(s): South Park

Prepared By: Stephanie Leutzinger Approved By: Sara Mayben Reviewed By: Greg Gerlich/Jeff Spohn	Date: 3/1/05	Wildlife Biologist District Ranger CDOW Fishery Biologists
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PROJECT DESCRIPTION

Project Name (same as on spreadsheet)	Priority	Activity Type
Trees for Trout Initiative for the South Platte River Basin	High	Fish Habitat and Watershed improvement

Location	Location (descriptive)
Eleven-mile Canyon & private and State lands surrounding the Tarryall Reservoir	4 reaches along Tarryall Creek and 4 along the South Platte River

Goals and Objectives
Improve watershed health on a 303(d) listed stream (South Platte River) and a stretch of stream needing Monitoring and Evaluation (Tarryall Creek). Improve fish habitat and riparian health. Address habitat needs for trout and wetland dependent species on 4 sites within Eleven-mile Canyon and 4 sites on Tarryall Creek. Continue working with the South Park Wetlands Focus Area Committee to improve the entire length of Tarryall Creek on private and public lands.

Treatment Proposed
Place trees and rocks within the creek in such as way it results in deeper water, narrower stream widths and wider riparian habitat. Re-vegetation will be completed to reduce sedimentation into the creek. Partnership funds through the South Park Wetlands Focus Area Committee will be used to help reduce overall USFS costs. Project also includes placing conservation easements on private lands.
*NOTE: <i>This narrative is tied to three spreadsheets which are sites on National Forest Lands: Spillway, Sledgehammer and Eleven-mile picnic area</i>
PAR Accomplishment: Improve 7 miles of stream; Partners contribute \$304,650 value.
AWRP Integration
None

Partnership Agreement # (s)		
Partner Name (s)	South Park Wetlands Focus Area Committee	\$259,850 of cash; \$44,800 of in-kind services
Expiration Date (s)		

***Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative***

Resource: WFRP

District(s): South Park

Prepared By: Stephanie Leutzinger Approved By: Sara Mayben Reviewed By: Greg Gerlich/Jeff Spohn	Date: 3/2/05	Wildlife Biologist District Ranger CDOW Fishery Biologists
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PROJECT DESCRIPTION

Project Name (same as on spreadsheet)	Priority	Activity Type
Tarryall Creek Fish Habitat Improvement: Box Canyon, Spruce Grove, Twin Eagles and Ute Creek TH	High	Habitat improvement

Location	Location (descriptive)
South Park District	National Forest reaches along Tarryall Creek

Goals and Objectives
Improve fish habitat and watershed health within Tarryall Creek. Continue working with the South Park Wetlands Focus Area Committee to improve the entire length of Tarryall Creek on private and public lands.

Treatment Proposed
Place trees and rocks within the creek to create deeper water and narrower stream widths. Erosion control structures and vegetation will be used to reduce sedimentation into the creek. Partnership funds through the South Park Wetlands Focus Area Committee will be used to help reduce costs for the USFS.
PAR Accomplishment: Improve 2 miles of stream; Partners contribute \$24,000 value
AWRP Integration
None

Partnership Agreement # (s)		
Partner Name (s)	South Park Wetlands Focus Area Committee	
Expiration Date (s)		

***Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative***

Resource: WFRP

District(s): South Park

Prepared By: Stephanie Leutzinger Approved By: Sara Mayben Reviewed By: Greg Gerlich/Jeff Spohn	Date: 3/2/05	Wildlife Biologist District Ranger CDOW Fishery Biologists
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PROJECT DESCRIPTION

Project Name (same as on spreadsheet)	Priority	Activity Type
TU/FS work days in Eleven-mile canyon	High	Streambank re-vegetation & recreational trails

Location	Location (descriptive)
	Several sites within the Eleven-mile Canyon area over the next 5 years.

Goals and Objectives
To decrease sedimentation, improve fish habitat, and increase vegetative cover along the South Platte River.

Treatment Proposed
Build log crib structures along the stream edge to capture sedimentation from the road, plant willows, river birch, shrubs and grasses. Clear out culverts, place riprap and improve social trails to reduce sedimentation into the river.
PAR Accomplishment: Improve 0.5-mile of stream; Partners contribute \$5,000 value

AWRP Integration
The project is located between the active Sledgehammer Fuels Project and the proposed Rocky Messenger Fuels Project (South Platte River).

Partnership Agreement # (s)		
Partner Name (s)	TU – Cheyenne Mt. Chapter	
Expiration Date (s)	On-going	

***Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative***

Resource: WFRP

District(s): South Park

Prepared By: Stephanie Leutzinger Approved By: Sara Mayben Reviewed By: Greg Gerlich/Jeff Spohn	Date: 3/2/05	Wildlife Biologist District Ranger CDOW Fishery Biologists
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PROJECT DESCRIPTION

Project Name (same as on spreadsheet)	Priority	Activity Type
Happy Meadows Fish Habitat Improvement	Low	Habitat Improvement

Location	Location (descriptive)
	Stretch of riparian along County Road #112 in Happy Meadows area.

Goals and Objectives
Improve fish habitat, reduce sedimentation and increase water quality along the South Platte River and County Road #112.

Treatment Proposed
Begin planning with the CDOW on habitat improvement methods to reach the goals. Potentially develop plan for in-stream structures (both trees and rock).
PAR Accomplishment: ≥ 1-mile fish habitat improvement

AWRP Integration
The project is located along the South Platte River. The surrounding forest located on the west side is a montane type and will be considered for fuels treatment at some point in the future. The Hayman Fire burned with low intensity on the east side of the Happy Meadows project area.

Partnership Agreement # (s)	Potential	
Partner Name (s)	CUSP, TU	
Expiration Date (s)		

***Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative***

Resource: WFRP

District(s): Pikes Peak

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Pawnee Montane Skipper Habitat Improvement and Monitoring	High	T&E habitat improvement and monitoring

Location	Location (descriptive)
	Upper South Platte River Watershed near Trumbull, CO

Goals and Objectives
<p>The Forest Plan states that protection and improvement of threatened and endangered species habitat will receive primary management emphasis wherever identified species are present. A goal of the approved Upper South Platte Protection and Restoration Project is to improve habitat for the federally listed Pawnee montane skipper. The objective of the Pawnee Montane Skipper Recover Plan is to remove this species from the list of threatened species. The objective of this project is to assist this recovery effort by improving habitat and monitoring skipper populations and habitat trends.</p> <p>The proposed activities are part of the Upper South Platte Protection and Restoration Project a forest priority defined by the Leadership Team. This project meets selection criteria used for funding decisions because it is TES and partner based with the U.S. Fish and Wildlife Service and Denver Water.</p>

Treatment Proposed		
Reduce tree density to improve skipper habitat (feathergrass) quality. Skipper populations and feathergrass habitat parameters will be monitored to verify the effectiveness of proposed treatments, and to track local habitat and population trends, particularly in areas affected by recent wildfires. Recent wildfires had a major adverse effect on skipper habitat and populations.		
PAR Accomplishment: Improve up to 3,000 acres of T&E habitat; Monitor T&E habitat and population on up to 12,000 acres; Partners contribute \$28,000 value.		
AWRP Integration		
This project is part of hazardous fuels reduction treatments on 3,000 acres.		
Partnership Agreement # (s)		
Partner Name (s)	U.S. Fish and Wildlife Service Denver Water	
Expiration Date (s)		

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: WFRP

Districts: Salida & Leadville

Prepared by: Mike Wrigley & Matt Comer	Date: Mar. 2005	Wildlife Biologists
Approved by: Charles E. Medina & James E. Zornes	Date: Mar. 2005	District Rangers
Reviewed by: Jim Aragon	Date: Mar. 2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Abert's squirrel monitoring/surveys	High	Inventory/Monitoring

Location	Location (descriptive)
Various areas within ponderosa pine and mixed fir forests on the district	Collegiate Peaks, Four mile, Kaufman, Cochetopa, Three Elk, Four Elk and other areas not yet identified

Goals and Objectives
Monitor a Management Indicator Species (Abert's squirrel) population index and begin the inventory of new areas on the Salida and Leadville Ranger Districts. Monitor trends of this MIS to comply with Forest Plan.

Activity Proposed
Identify and monitor populations and determine whether land management activities (including vegetation treatments), or other multi-use components affect measured Abert's squirrel's population index and protocol refinement.
PAR Accomplishment: 600 ac/yr

Partnership Agreement # (s)	none	
Partner Name (s)	Colorado College?	
Expiration Date (s)		

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: WFRP

Districts: Salida and Leadville

Prepared by: Mike Wrigley & Matt Comer	Date: Mar. 2005	Wildlife Biologists
Approved by: Charles E. Medina & James E. Zornes	Date: Mar. 2005	District Rangers
Reviewed by: Jim Aragon	Date: Mar. 2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Black swift monitoring/surveys	Low	Inventory/Monitoring

Location	Location (descriptive)
Habitats on both districts	Waterfall areas with nesting habitat

Goals and Objectives
Monitor known black swift populations and inventory new areas on the Salida and Leadville Ranger Districts.

Activity Proposed
Identify and monitor populations and determine whether land management activities including recreation, vegetation treatments, or other activities affect populations
PAR Accomplishment: 4 sites each yr

Partnership Agreement # (s)		
Partner Name (s)		
Expiration Date (s)		

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: WFRP

District: Salida and Leadville

Prepared by: Mike Wrigley & Matt Comer	Date: Mar. 2005	Wildlife Biologists
Approved by: Charles E. Medina & James E. Zornes	Date: Mar. 2005	District Rangers
Reviewed by: Jim Aragon	Date: Mar. 2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Boreal toad monitoring/surveys		Inventory/Monitoring

Location	Location (descriptive)
Lentic habitats on both districts	Collegiate Peaks (Sawatch Range) and other suitable habitat areas not yet surveyed

Goals and Objectives
Monitor known boreal toad populations and inventory new lentic habitats on the Salida and Leadville Ranger Districts.

Activity Proposed
Identify and monitor populations and determine whether land management activities including grazing, recreation, vegetation treatments, or other activities affect populations
PAR Accomplishment: ≥8 sites each year

Partnership Agreement # (s)	Seeking partner	
Partner Name (s)	CNHP?	
Expiration Date (s)		

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: WFRP

District: Salida

Prepared by: Mike Wrigley	Date: Mar. 2005	Wildlife Biologist
Approved by: Charles E. Medina	Date: Mar. 2005	District Ranger
Reviewed by: Jim Aragon	Date: Mar. 2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Peregrine and Prairie Falcon surveys/monitoring	High	Inventory/Monitoring

Location	Location (descriptive)
Various areas on district	Cliff habitats where they occur on the district.

Goals and Objectives
Monitor known peregrine and prairie falcon populations and inventory unoccupied cliffs on the Salida Ranger District.

Activity Proposed
Identify and monitor populations and determine whether land management activities including recreation, vegetation treatments, or other activities affect populations
PAR Accomplishment: ≥4 sites/yr

Partnership Agreement # (s)		
Partner Name (s)		
Expiration Date (s)		

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: WFRP

District: Salida and Leadville

Prepared by: Mike Wrigley & Matt Comer	Date: Mar. 2005	Wildlife Biologists
Approved by: Charles E. Medina & James E. Zornes	Date: Mar. 2005	District Rangers
Reviewed by: Jim Aragon	Date: Mar. 2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Flammulated owl monitoring/surveys		Inventory/Monitoring

Location	Location (descriptive)
Various areas on the Salida and Leadville districts	Ponderosa pine/mixed fir forests

Goals and Objectives
Survey and monitor suitable habitats on the Salida and Leadville Ranger Districts.

Activity Proposed
Identify and monitor populations and determine whether land management activities including recreation, vegetation treatments, or other activities that may affect populations
PAR Accomplishment: ≥150 ac/yr

Partnership Agreement # (s)	none	
Partner Name (s)	CNHP?	
Expiration Date (s)		

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: WFRP

District: Salida

Prepared by: Mike Wrigley	Date: Mar. 2005	Wildlife Biologist
Approved by: Charles E. Medina	Date: Mar. 2005	District Ranger
Reviewed by: Jim Aragon	Date: Mar. 2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Northern goshawk monitoring/surveys		Inventory/Monitoring

Location	Location (descriptive)
Salida District	Within suitable nesting habitat on the district

Goals and Objectives
Monitor known goshawk (RFSS) populations and inventory new areas where planned hazardous fuels and forest health projects will occur.
Look at potential hazardous fuels treatments that may improve habitat conditions and/or reduce fire hazards that if wildfire occurred may have adverse effects on this species.

Activity Proposed
Monitoring goshawk territories as part of Regional goshawk program beginning in FY05
PAR Accomplishment: ≥2,000 ac /yr or as needed per annum

Partnership Agreement # (s)		
Partner Name (s)		
Expiration Date (s)		

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: WFRP

District: Salida

Prepared by: Mike Wrigley	Date: Mar. 2005	Wildlife Biologist
Approved by: Charles E. Medina	Date: Mar. 2005	District Ranger
Reviewed by: Jim Aragon	Date: Mar. 2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Gunnison sage grouse forage improvement		Prescribed burning or other vegetation treatment

Location	Location (descriptive)
	Poncha Pass/Marshall Pass/Little Cochetopa

Goals and Objectives
In conjunction with planned hazardous fuels and forest health projects, we will identify areas that will potentially benefit from prescribed fire and other treatments to improve forage conditions for Gunnison sage grouse, a federal Candidate species for listing.
Treatment Proposed
Thinning, salvage of beetle killed trees, prescribed burning, and other hazardous fuels
PAR Accomplishment: 100ac/yr each in FY07, 08, 09, 10
AWRP Integration
(FRCC) Fuel reduction target of ≥100 acres

Partnership Agreement # (s)		
Partner Name (s)		
Expiration Date (s)		

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: WFRP

District: Salida

Prepared by: Mike Wrigley	Date: Mar. 2005	Wildlife Biologist
Approved by: Charles E. Medina	Date: Mar. 2005	District Ranger
Reviewed by: Jim Aragon	Date: Mar. 2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Kaufman big game forage improvement	Medium	Prescribed burning/thinning

Location	Location (descriptive)
	Kaufman Ridge, 4-mile, Bassam Park, Bald Mountain.

Goals and Objectives
In conjunction with planned hazardous fuels and forest health projects, we will identify areas that will potentially benefit from prescribed fire and other treatments to improve forage conditions for big game species such as deer, elk (a Management Indicator Species), and big horn sheep.
Combine habitat improvement with hazardous fuels treatments and/or reduce FRCC ratings. Proactive project avoiding potential deleterious effects wildfire may have on these species.

Treatment Proposed
Thinning, salvage of beetle killed trees, prescribed burning, thinning, and other treatments
PAR Accomplishment: 100 ac – FY07, and 08, 150 ac in FY09 and 10
AWRP Integration
Fuel reduction targets of ≥100 acres per annum

Partnership Agreement # (s)	In Development	In Development
Partner Name (s)	CDOW - HPP	RMEF possibly
Expiration Date (s)		

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: WFRP

District: Salida

Prepared by: Mike Wrigley	Date: Mar. 2005	Wildlife Biologist
Approved by: Charles E. Medina	Date: Mar. 2005	District Ranger
Reviewed by: Jim Aragon	Date: Mar. 2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Monarch Ski Area Interpretation signs	Low	Interpretation & Education

Location	Location (descriptive)
	Monarch Ski and Snowboard Area

Goals and Objectives
In conjunction with Monarch Ski area we will post wildlife interpretive signs at the ski area (e.g., ski lift posts) so that skiers/riders can learn more about native wildlife species in the area.
Activity Proposed
Build interpretation and education signs to increase public awareness of local ecological and wildlife resources.
PAR Accomplishment: 1 site in FY06

Partnership Agreement # (s)	In Development	In Development
Partner Name (s)	Possibly Monarch Ski Area	Possibly CDOW
Expiration Date (s)	None yet	None yet

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: WFRP

District: Salida

Prepared by: Mike Wrigley	Date: Mar. 2005	Wildlife Biologist
Approved by: Charles E. Medina	Date: Mar. 2005	District Ranger
Reviewed by: Jim Aragon	Date: Mar. 2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Unit 561 big game forage improvement		Prescribed burning, thinning

Location	Location (descriptive)
	Marshall Pass/Little Cochetopa

Goals and Objectives
In conjunction with planned hazardous fuels/forest health projects, we will identify areas that will potentially benefit from prescribed fire and other treatments to improve forage conditions for big game species such as deer, elk (MIS), and big horn sheep
Look at potential hazardous fuels treatments that may improve habitat conditions and/or reduce fire hazards that if wildfire occurred may have adverse effects on this species.

Treatment Proposed
Thinning, salvage of beetle killed trees, prescribed burning, and other
PAR Accomplishment: If funding is available in FY07, 100 ac in FY08, 150 ac in FY09, 100 ac in FY10
AWRP Integration
Fuel reduction targets of ≥ 100 acres per annum

Partnership Agreement # (s)	In Development	In Development
Partner Name (s)	Possibly RMEF	Possibly CDOW - HPP
Expiration Date (s)		

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: WFRP

Districts: Salida

Prepared by: Mike Wrigley	Date: Mar. 2005	Wildlife Biologist
Approved by: Charles E. Medina	Date: Mar. 2005	District Ranger
Reviewed by: Jim Aragon	Date: Mar. 2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Winter tracks monitoring/surveys	Low	Inventory/Monitoring

Location	Location (descriptive)
Various areas on the San Isabel POD	Mountain passes and high elevation valleys

Goals and Objectives
Monitor potential winter habitats for Canada lynx, wolverine, snowshoe hare, marten, ptarmigan, and other species in the snow to determine use patterns and presence on the Salida Ranger District.

Activity Proposed
Identify and monitor populations and determine whether land management activities including recreation, vegetation treatments, or other activities affect populations
PAR Accomplishment: ≥1000 ac/yr or as funding available

Partnership Agreement # (s)		
Partner Name (s)		
Expiration Date (s)		

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: WFRP

District(s): San Carlos

Prepared by: <i>Ron Torretta</i>	Date: 1/12/2005	Wildlife Biologist
Approved by: Paul Crespin	Date: 1/12/2005	District Ranger
Reviewed by: Jim Melby/Greg Policky	Date: 1/12/2005	Area Fish Biologists

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
<i>Greenback Cutthroat Trout</i>	<i>High</i>	<i>Barriers and Inventory/Monitoring</i>

Location	Location (descriptive)
High elevation streams	North & South Apache, Graneros, North Taylor Creek, plus potential recovery streams/rivers such as Turkey, Chaparral, St. Charles, and others.

Goals and Objectives
Install fish migration barriers in existing sites and potential reintroduction streams with pure greenback cutthroat trout.
Monitor known populations, trends, habitat quality and risks of existing populations. Survey for new population locations and potential reintroduction sites.

Activity Proposed		
Fish migration barrier installation in North Taylor, St. Charles, and Chaparral creeks or river (GS-9 – 5 days, GS-11 – 2 days, GS-5 – 3 days/barrier)		
Monitor/Survey 2 miles per year. GS-9 - 5 days/yr.		
PAR Accomplishment: ≥1 – 7 structures per annum		
AWRP Integration		
Information gathered from monitoring greenback cutthroat trout parameters above can help assess local watershed and AWRP vegetation treatment sustainability.		
Partnership Agreement # (s)	Informal agreement	
Partner Name (s)	CDOV	
Expiration Date (s)		

***Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative***

Resource: WFRP **District(s):** San Carlos

Prepared by: <i>Ron Torretta</i>	Date 3/12/2005	Wildlife Biologist
Approved by: Paul Crespin	Date: 3/12/2005	District Ranger
Reviewed by: Al Trujillo	Date: 3/4/2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Mexican Spotted Owl	High	Inventory/Monitoring

Location	Location (descriptive)
San Carlos District	St. Charles, Four-mile, Smith, and other drainages as funds and personnel are available such as Newlin, Oak Creek, Maes, Mason Gulch, etc.

Goals and Objectives
Monitor site occupancy, population, trend, and production of historic nest sites. Survey additional canyons for occupancy.
Information gathered from monitoring MSO populations and utilization patterns can assist in determining the watershed and vegetation health and sustainability

Activity Proposed
Monitor/Survey 4,200 acres of potential habitat per year. (GS-9 - 8 days, GS-5 - 36 days)
PAR Accomplishment: 4,200 acres per annum

Partnership Agreement # (s)	Informal	
Partner Name (s)	BLM	
Expiration Date (s)		

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: WFRP District(s): San Carlos

Prepared by: <i>Ron Torretta</i>	Date 3/12/2005	Wildlife Biologist
Approved by: Paul Crespin	Date: 3/12/2005	District Ranger
Reviewed by: Al Trujillo	Date: 3/4/2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Peregrine Falcon	Medium	Inventory/Monitoring

Location	Location (descriptive)
San Carlos Eyries	Mexican Springs Creek, Rattlesnake Gulch, East Bear Gulch, and Chandler Creek

Goals and Objectives
Monitor population, recruitment and site occupancy of known eyries. Survey potential habitats for new sites.
Monitoring sensitive species populations, recruitment, and site occupancy assists in establishing trend and species sustainability information.

Activity Proposed
Monitor 4 known eyries and other potential sites per year. (GS-9 - 8 days, GS-5 - 8 days)
PAR Accomplishment: ≥4 eyries per annum

Partnership Agreement # (s)		
Partner Name (s)		
Expiration Date (s)		

***Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative***

Resource: WFRP **District(s):** San Carlos

Prepared by: <i>Ron Torretta</i>	Date 3/12/2005	Wildlife Biologist
Approved by: Paul Crespin	Date: 3/12/2005	District Ranger
Reviewed by: Al Trujillo	Date: 3/4/2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Black Swifts	High	Survey/Monitoring

Location	Location (descriptive)
San Carlos District	5 falls in the Sangres & Apache Falls in the Wet Mountains

Goals and Objectives
Survey for Black Swift nest colonies at potential nest sites (falls) to document presence, population size, and suitability of potential nest areas.
Monitoring sensitive species populations, recruitment, and site occupancy assists in establishing trend and species sustainability information.

Activity Proposed
Survey potential habitat at 6 sites (falls) per year using proposed survey protocol. (GS-9 - 6 days, GS-5 - 12 days)
PAR Accomplishment: ≥6 sites per annum

Partnership Agreement # (s)		
Partner Name (s)		
Expiration Date (s)		

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: WFRP **District(s):** San Carlos

Prepared by: <i>Ron Torretta</i>	Date 3/12/2005	Wildlife Biologist
Approved by: Paul Crespin	Date: 3/12/2005	District Ranger
Reviewed by: Al Trujillo	Date: 3/4/2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Canada Lynx	Low	Inventory/Monitoring

Location	Location (descriptive)
High elevation sites on the San Carlos District	Wet Mountain, Spanish Peaks & Sangres Lynx Analysis Units (LAU)

Goals and Objectives
Field verification of lynx habitat maps; complete old growth survey scorecards, & conduct snowshoe hare pellet transects to determine quality of potential lynx habitat.
Can potentially discover lynx habitat areas needing treatment to enhance old-growth characteristics, which can provide optimum denning/foraging habitat.

Activity Proposed
Complete San Carlos District's share of Forest-wide effort. (GS-9 - 5 days, GS-5 - 20 days)
PAR Accomplishment: ≥1,000 acres

Partnership Agreement # (s)		
Partner Name (s)		
Expiration Date (s)		

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: WFRP District(s): San Carlos

Prepared by: <i>Ron Torretta</i>	Date 3/12/2005	Wildlife Biologist
Approved by: Paul Crespin	Date: 3/12/2005	District Ranger
Reviewed by: Al Trujillo	Date: 3/4/2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Goshawks	Low	Inventory/Monitoring

Location	Location (descriptive)
San Carlos District	Indian Creek, Veneble Creek, Wade Creek & Cascade Creek

Goals and Objectives
Inventory 5 new drainages per year to locate nest territories and monitor known nest sites to document production and population trend. Monitoring sensitive species populations, recruitment, and site occupancy assists in establishing trend and species sustainability information.

Activity Proposed
Inventory and survey using callback method (taped goshawk alarm/wail call) played in potential habitat. (GS-9 - 5 days, GS-5 – 5 days)
PAR Accomplishment: ≥1,000 acres per annum

Partnership Agreement # (s)		
Partner Name (s)		
Expiration Date (s)		

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: WFRP

District(s): San Carlos

Prepared by: <i>Ron Torretta</i>	Date 3/12/2005	Wildlife Biologist
Approved by: Paul Crespín	Date: 3/12/2005	District Ranger
Reviewed by: Al Trujillo	Date: 3/4/2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
TES Plants	High	Inventory/Monitoring

Location	Location (descriptive)
San Carlos District	Locke Park, Tanner Peak, & Greenhorn (Wet Mountains)

Goals and Objectives
Monitor known populations of <i>Penstemon degenerii</i> (Locke Park transects) and inventory for new populations of TES plants to document occurrence and population trend.
Monitoring sensitive species populations, recruitment, and site occupancy assists in establishing trend and species sustainability information.

Activity Proposed
Monitor known populations of TES plants and survey potential habitat for new locations of TES plants 10 days a year by botanist/biologist. Conduct prescribed burn in part of known population to test <i>Penstemon</i> reaction to fire.
(GS-9 - 7 days,)
(GS-5 – 15 days)
PAR Accomplishment: ≥1,000 acres

Partnership Agreement # (s)		
Partner Name (s)		
Expiration Date (s)		

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: WFRP

District(s): San Carlos

Prepared by: <i>Rgn Torretta</i>	Date 3/12/2005	Wildlife Biologist
Approved by: Paul Crespin	Date: 3/12/2005	District Ranger
Reviewed by: Al Trujillo	Date: 3/4/2005	Area Wildlife Manager

Project Name (same name as on spreadsheet)	Priority	Activity Type
Boreal Owl	Low	Monitoring/Survey

PROJECT DESCRIPTION

Location	Location (descriptive)
San Carlos District	Greenhorn, Upper Huerfano, Cucharas Pass, & Cordova Pass

Goals and Objectives
<p>Monitor 20 nest boxes located on the Greenhorn Rd. in the Wet Mountains and 4 nest boxes located in the Blue/Bear Lake vicinity near the Spanish Peaks to determine presence/occupancy of boreal owls.</p> <p>Survey for boreal owls in potential habitat to determine presence on District. Monitoring sensitive species populations, recruitment, and site occupancy assists in establishing trend and species sustainability information.</p>

Activity Proposed
<p>Annually, check 24 nest boxes for occupancy during the nesting season.</p> <p>Conduct nighttime call back surveys during the breeding season and during the fall survey window.</p> <p>(GS-9 –6 days, GS-5 – 6 days)</p>
PAR Accomplishment: ≥24 site surveys per annum when funding allows

Partnership Agreement # (s)		
Partner Name (s)		
Expiration Date (s)		

***Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative***

Resource: WFRP

District(s): San Carlos

Prepared by: <i>Rgn Torretta</i>	Date 3/12/2005	Wildlife Biologist
Approved by: Paul Crespin	Date: 3/12/2005	District Ranger
Reviewed by: Al Trujillo	Date: 3/4/2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Amphibians	High	Inventory/Monitoring

Location	Location (descriptive)
San Carlos District	Wet Mountains, Sangres, Spanish Peaks

Goals and Objectives
Survey lentic habitats for Boreal Toads and Leopard Frogs to determine presence or absence. Monitoring sensitive species populations, recruitment, and site occupancy assists in establishing trend and species sustainability information.

Activity Proposed
Conduct walk through surveys of selected wetlands during the breeding season. (GS-9 – 4 days, GS-5 – 6 days)
PAR Accomplishment: ≥10 sites per annum

Partnership Agreement # (s)		
Partner Name (s)		
Expiration Date (s)		

***Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative***

Resource: WFRP

District(s): San Carlos

Prepared by: <i>Ron Torretta</i>	Date 3/12/2005	Wildlife Biologist
Approved by: Paul Crespin	Date: 3/12/2005	District Ranger
Reviewed by: Al Trujillo	Date: 3/4/2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Neotropical Migratory Bird Point Counts	Low	Survey/Monitoring

Location	Location (descriptive)
San Carlos District	Apishipa, Gardner, Hardscrabble, and two new sites; (Babcock Hole and a recent moderate-high intensity burned forested area)

Goals and Objectives
Monitor population trend and species diversity in varying habitat types.
Monitoring sensitive species populations, recruitment, and site occupancy assists in establishing trend and species sustainability information.

Activity Proposed
Conduct annual point counts on established routes with the help of volunteers. (GS-9 – 3 days, Volunteer 6 days)
PAR Accomplishment: $\geq 1,000$ acres per annum when funding allows

Partnership Agreement # (s)	Internal	
Partner Name (s)	Volunteers	
Expiration Date (s)	Annual	

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: WFRP

District(s): San Carlos

Prepared by: <i>Ron Torretta</i>	Date 3/12/2005	Wildlife Biologist
Approved by: Paul Crespín	Date: 3/12/2005	District Ranger
Reviewed by: Al Trujillo	Date: 3/4/2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
San Isabel Bird Checklist	Low	Interpretation & Education

Location	Location (descriptive)
San Isabel POD	Across districts

Goals and Objectives
Create a Watchable Wildlife Brochure/Bird Checklist for the Birds of the San Isabel National Forest to increase awareness of the birds in the local area.
Assist District/Forest in meeting interpretation and education targets for public understanding and awareness of National Forest values and opportunities.

Activity Proposed
Recruit volunteer to design and compile brochure and checklist. Print and distribute brochure at San Isabel District Offices.
(GS-9 – 6 days)
(Audubon Volunteers – 20 days)
PAR Accomplishment: 1 – 6 Interpretation & Education targets per annum

Partnership Agreement # (s)		
Partner Name (s)	Arkansas Valley Audubon Society	
Expiration Date (s)		

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: WFRP

District(s): San Carlos

Prepared by: <i>Ron Torretta</i>	Date 3/12/2005	Wildlife Biologist
Approved by: Paul Crespin	Date: 3/12/2005	District Ranger
Reviewed by: Al Trujillo	Date: 3/4/2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Wildlife Interpretive Signs	Moderate	Interpretation & Education

Location	Location (descriptive)
County Road 143	East Bear Gulch Peregrine Falcon Eyrie
	Other sites to be determined later

Goals and Objectives
Design and construct an interpretive sign at various locations to educate the public about selected fish/wildlife and the importance of providing habitat.
Assist District/Forest in meeting interpretation and education targets for public understanding and awareness of National Forest values and opportunities.

Activity Proposed
Design and construct interpretive board at various locations over multiple years. (GS-9 – 6 days)
PAR Accomplishment: 1 – 6 Interpretation & Education targets per annum

Partnership Agreement # (s)		
Partner Name (s)		
Expiration Date (s)		

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: WFRP

District(s): San Carlos

Prepared by: <i>Ron Torretta</i>	Date 3/12/2005	Wildlife Biologist
Approved by: Paul Crespín	Date: 3/12/2005	District Ranger
Reviewed by: Al Trujillo	Date: 3/4/2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Aspen Habitat Management & Regeneration	High	Vegetation Management

Location	Location (descriptive)
San Carlos District	Williams Creek Watershed (Wet Mountains)

Goals and Objectives
Determine Historical Range of Variability for aspen communities on the San Carlos Ranger District and compare with Forest Plan Standards to establish course of action in aspen management. Identify opportunities for habitat improvement to benefit TES and MIS species.
Assist in creating habitat diversity and restoring watershed and vegetative health to be more reflective of historical range of variability

Treatment Proposed
Utilize prescribed fire and mechanical treatments if action is determined warranted and feasible. (GS-9 – 30, GS-5 – 20 days)
PAR Accomplishment: 400 – 4,000 acres/BE/EA
AWRP Integration:
Fuel reduction (FRCC) targets

Partnership Agreement # (s)	
Partner Name (s)	Colorado Division of Wildlife (HPP) and RMEF
Expiration Date (s)	

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: WFRP District(s): San Carlos

Prepared by: <i>Ron Torretta</i>	Date 3/12/2005	Wildlife Biologist
Approved by: Paul Crespin	Date: 3/12/2005	District Ranger
Reviewed by: Al Trujillo	Date: 3/4/2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Greenhorn Riparian Monitoring	High	Monitoring

Location	Location (descriptive)
San Carlos District	Wet Mountains (Greenhorn)

Goals and Objectives
<p>Establish baseline and monitoring protocols for willow riparian vegetation to document current condition and assess effects of grazing on the willow riparian communities.</p> <p>Conduct bird point counts along selected habitat areas where current vegetation monitoring is occurring to determine species composition/abundance of areas under different grazing intensities.</p> <p>Assist in identification and restoration of high elevation riparian flora communities in order to provide biodiversity and habitat restoration.</p>

Activity Proposed
<p>Contract with CSU to establish baseline and monitoring protocols. Monitor established study sites either with Forest Crews or contract with CSU.</p> <p>(GS-9 – 10 days)</p>
PAR Accomplishment: 5,000 – 25,000 acres/BE/EA

Partnership Agreement # (s)		
Partner Name (s)	CSU	
Expiration Date (s)		

***Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative***

Resource: WFRP

District(s): San Carlos

Prepared by: <i>Rgn Torretta</i>	Date 3/12/2005	Wildlife Biologist
Approved by: Paul Crespin	Date: 3/12/2005	District Ranger
Reviewed by: Al Trujillo	Date: 3/4/2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Turkey Guzzlers	Low	Repair/Maintenance

Location	Location (descriptive)
San Carlos District	Lewis Creek, Mason Gulch, Wylie Gulch, Grape Creek

Goals and Objectives
Repair and maintain 9 guzzlers to provide a water source for turkey during periods of low water.

Treatment Proposed
Repair existing structures to properly functioning condition. (GS-9 - 1 day, GS-5 – 6 days)
PAR Accomplishment: 9 wildlife structures/BE/EA

Partnership Agreement # (s)		
Partner Name (s)		
Expiration Date (s)		

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: WFRP

District(s): San Carlos

Prepared by: <i>Ron Torretta</i>	Date: 3/12/2005	Wildlife Biologist
Approved by: Paul Crespin	Date: 3/12/2005	District Ranger
Reviewed by: Al Trujillo	Date: 3/4/2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Fishery Structures	Low	Repair/Maintenance/ Installation

Location	Location (descriptive)
San Carlos District	Cascade, Cucharas, Cottonwood, and Oak Creek, NF Purgatoire, Upper Huerfano, and St. Charles River

Goals and Objectives
Repair, install new, and/or maintain existing stream structures to maintain/improve fish habitat.
Assist in enhancing aquatic species habitat and providing potential suitable habitat for greenback cutthroat trout as part of watershed restoration efforts and recovery of a threatened species.

Treatment Proposed
Use backhoe and hand crews to repair existing and/or install new structures. (GS-9 – 4 days, GS-5 – 6 days)
PAR Accomplishment: 7 structures/BE/EA

Partnership Agreement # (s)		
Partner Name (s)		
Expiration Date (s)		

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: WFRP

District(s): San Carlos

Prepared by: <i>Ron Torretta</i>	Date 3/12/2005	Wildlife Biologist
Approved by: Paul Crespin	Date: 3/12/2005	District Ranger
Reviewed by: Al Trujillo	Date: 3/4/2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Tree Inoculation	Low	Snag creation to create forest openings/foraging habitat enhancement

Location	Location (descriptive)
San Carlos District	Sites to be determined after field visits

Goals and Objectives
Inoculate trees in selected areas to promote tree mortality and creation of forest openings for forage improvement.

Treatment Proposed
Use volunteers to physically inoculate selected trees in patch network to create forest openings. (GS-9 – 4 days, Volunteers – 30 days)
PAR Accomplishment: 640 acres/BE/EA

Partnership Agreement # (s)		
Partner Name (s)	Volunteers, CDOW	
Expiration Date (s)		

***Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative***

Resource: WFRP **District(s):** San Carlos

Prepared by: <i>Ron Torretta</i>	Date 3/12/2005	Wildlife Biologist
Approved by: Paul Crespin	Date: 3/12/2005	District Ranger
Reviewed by: Al Trujillo	Date: 3/4/2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Ophir Creek Weevil Release	Moderate	Biological control of noxious weeds

Location	Location (descriptive)
San Carlos District	Ophir Creek basin

Goals and Objectives
Contain/control/eradicate noxious weeds in the basin using biological control agents.

Treatment Proposed
Release of weevils in the Ophir Creek basin to prey upon noxious weeds and control/containment of there populations. (GS-9 – 4 days, GS-11 – 3 days, GS-5 – 4 days)
PAR Accomplishment: 75-250 acres/BE/EA
AWRP Integration:
Fuel reduction (FRCC class) target

Partnership Agreement # (s)		
Partner Name (s)	CDOW	
Expiration Date (s)		

***Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative***

Resource: WFRP

District(s): San Carlos

Prepared by: <i>Ron Torretta</i>	Date 3/12/2005	Wildlife Biologist
Approved by: Paul Crespin	Date: 3/12/2005	District Ranger
Reviewed by: Al Trujillo	Date: 3/4/2005	Area Wildlife Manager

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
North Fork of the Purgatoire Basin Prescribed Burn	Moderate	Prescribed burn to improve bighorn sheep habitat

Location	Location (descriptive)
San Carlos District	North Fork of the Purgatoire River basin

Goals and Objectives
Improve bighorn sheep foraging opportunities by conducting prescribed burns in the basin to achieve early seral stage and FRCC fuel reduction targets of within the basin. Re-invigorate decadent shrubbery/forbs/grasses and promote re-growth and regeneration of small structure, nutritious forage species.

Treatment Proposed
Conduct prescribed burning techniques to achieve above objectives. (GS-9 – 8 days, GS-11 – 3 days, GS-5 – 20 days)
PAR Accomplishment: 70-300 acres/BE/EA
AWVRP Integration:
This is a (FRCC) fuel reduction project

Partnership Agreement # (s)		
Partner Name (s)	CDOW	
Expiration Date (s)		

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: Wildlife

Districts: Salida & Leadville

Prepared by	Date	Biologists Mike Wrigley & Matt Comer
Approved by	Date	District Rangers Charles E. Medina & James E. Zornes
Reviewed by	Date	Area Wildlife Manager Jim Aragon

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Abert's squirrel monitoring/surveys		Inventory/Monitoring

Location (legal)	Location (descriptive)
Collegiate Peaks, Four mile, Kauffman, Cochetopa, Three Elk, Four Elk and other areas not yet identified	Various areas within ponderosa pine and mixed fir forests on the district

Goals and Objectives
Monitor known Abert's squirrel (MIS) populations and inventory new areas on the Salida and Leadville Ranger Districts.

Treatment Proposed
Identify and monitor populations and determine whether land management activities including vegetation treatments, or other activities affect populations. Monitor trends for this MIS to comply with regulations.
PAR Accomplishment: 600 ac/yr

Partnership Agreement # (s)	none	none
Partner Name (s)	Colorado College?	none
Expiration Date (s)	none	none

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: Wildlife

Districts: Salida and Leadville

Prepared by	Date	Biologists Mike Wrigley & Matt Comer
Approved by	Date	District Rangers Charles E. Medina & James E. Zornes
Reviewed by	Date	Area Wildlife Manager Jim Aragon

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Black swift monitoring/surveys		Inventory/Monitoring

Location (legal)	Location (descriptive)
Waterfall habitats	Various areas on both districts

Goals and Objectives
Monitor known black swift populations and inventory new areas on the Salida and Leadville Ranger Districts.

Treatment Proposed
Identify and monitor populations and determine whether land management activities including recreation, vegetation treatments, or other activities affect populations
PAR Accomplishment: 4 sites each yr

Partnership Agreement # (s)	none	none
Partner Name (s)	none	none
Expiration Date (s)	none	none

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: Wildlife

District: Salida and Leadville

Prepared by	Date	Biologists Mike Wrigley & Matt Comer
Approved by	Date	District Rangers Charles E. Medina & James E. Zornes
Reviewed by	Date	Area Wildlife Manager Jim Aragon

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Boreal toad monitoring/surveys		Inventory/Monitoring

Location (legal)	Location (descriptive)
Collegiate Peaks (Sawatch Range) and other suitable habitat areas not yet surveyed	Various areas on both districts

Goals and Objectives
Monitor known boreal toad populations and inventory new areas on the Salida and Leadville Ranger Districts.

Treatment Proposed
Identify and monitor populations and determine whether land management activities including grazing, recreation, vegetation treatments, or other activities affect populations
PAR Accomplishment: 8 sites each year

Partnership Agreement # (s)	none	none
Partner Name (s)	CNHP?	none
Expiration Date (s)	none	none

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: Wildlife

District: Salida

Prepared by	Date	Biologist Mike Wrigley
Approved by	Date	District Ranger Charles E. Medina
Reviewed by	Date	Area Wildlife Manager Jim Aragon

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Peregrine and Prairie Falcon surveys/monitoring		Inventory/Monitoring

Location (legal)	Location (descriptive)
Various areas on district	Cliff habitats where they occur on the district

Goals and Objectives
Monitor known peregrine and prairie falcon populations and inventory new areas on the Salida Ranger District.

Treatment Proposed
Identify and monitor populations and determine whether land management activities including recreation, vegetation treatments, or other activities affect populations
PAR Accomplishment: 4 sites/yr

Partnership Agreement # (s)	none	none
Partner Name (s)	none	none
Expiration Date (s)	none	none

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: Wildlife

District: Salida and Leadville

Prepared by	Date	Biologists Mike Wrigley & Matt Comer
Approved by	Date	District Rangers Charles E. Medina & James E. Zornes
Reviewed by	Date	Area Wildlife Manager Jim Aragon

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Flammulated owl monitoring/surveys		Inventory/Monitoring

Location (legal)	Location (descriptive)
Ponderosa pine/mixed fir forests	Various areas on the Salida and Leadville districts

Goals and Objectives
Survey and monitor suitable habitats on the Salida and Leadville Ranger Districts.

Treatment Proposed
Identify and monitor populations and determine whether land management activities including recreation, vegetation treatments, or other activities that may affect populations
PAR Accomplishment: 150 ac/yr

Partnership Agreement # (s)	none	none
Partner Name (s)	CNHP?	none
Expiration Date (s)	none	none

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: Wildlife

District: Salida

Prepared by	Date	Biologist Mike Wrigley
Approved by	Date	District Ranger Charles E. Medina
Reviewed by	Date	Area Wildlife Manager Jim Aragon

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Northern goshawk monitoring/surveys		Inventory/Monitoring

Location (legal)	Location (descriptive)
	Within suitable habitat on the district

Goals and Objectives
Monitor known goshawk (FS Sensitive spp) populations and inventory new areas where planned hazardous fuels and forest health projects will occur.
Look at potential hazardous fuels treatments that may improve habitat conditions and/or reduce fire hazards that if wildfire occurred may have adverse effects on this species.

Treatment Proposed
Thinning, salvage of beetle killed trees, prescribed burning, and other
PAR Accomplishment: 2,000 ac /yr

Partnership Agreement # (s)	none	none
Partner Name (s)	none	none
Expiration Date (s)	none	none

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: Wildlife

District: Salida

Prepared by	Date	Biologist Mike Wrigley
Approved by	Date	District Ranger Charles E. Medina
Reviewed by	Date	Area Wildlife Manager Jim Aragon

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Gunnison sage grouse forage improvement		Prescribed burning or other vegetation treatment

Location	Location (descriptive)
	Poncha Pass/Marshall Pass/Little Cochetopa

Goals and Objectives
In conjunction with planned hazardous fuels and forest health projects, we will identify areas that will potentially benefit from prescribed fire and other treatments to improve forage conditions for Gunnison sage grouse, a federal candidate species

Treatment Proposed
Thinning, salvage of beetle killed trees, prescribed burning, and other
PAR Accomplishment: 100ac/yr each in FY07, 08, 09, 10

Partnership Agreement # (s)	none	none
Partner Name (s)	none	none
Expiration Date (s)	none	none

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: Wildlife

District: Salida

Prepared by	Date	Biologist Mike Wrigley
Approved by	Date	District Ranger Charles E. Medina
Reviewed by	Date	Area Wildlife Manager Jim Aragon

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Kaufman big game forage improvement		Prescribed burning/thinning

Location	Location (descriptive)
	Kaufman Ridge, 4-mile, Bassam Park, Bald Mnt.

Goals and Objectives
In conjunction with planned hazardous fuels and forest health projects, we will identify areas that will potentially benefit from prescribed fire and other treatments to improve forage conditions for big game species such as deer, elk (MIS), and big horn sheep
Look at potential hazardous fuels treatments that may improve habitat conditions and/or reduce fire hazards that if wildfire occurred may have adverse effects on this species.

Treatment Proposed
Thinning, salvage of beetle killed trees, prescribed burning, thinning, and other treatments
PAR Accomplishment: 100 ac – FY07, and 08, 150 ac in FY09 and 10

Partnership Agreement # (s)	None yet	None yet
Partner Name (s)	CDOW - HPP	RMEF possibly
Expiration Date (s)	None yet	None yet

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: Wildlife

District: Salida

Prepared by	Date	Biologist Mike Wrigley
Approved by	Date	District Ranger Charles E. Medina
Reviewed by	Date	Area Wildlife Manager Jim Aragon

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Monarch Ski Area Wildlife Interp. signs		Wildlife education

Location	Location (descriptive)
	Monarch Ski and Snowboard Area

Goals and Objectives
In conjunction with Monarch Ski area we will post wildlife interpretive signs at the ski area (e.g., ski lift posts) so that skiers/riders can learn more about native wildlife species in the area.

Treatment Proposed
none
PAR Accomplishment: 1 site in FY06

Partnership Agreement # (s)	None yet	None yet
Partner Name (s)	Possibly Monarch Ski Area	Possibly CDOW
Expiration Date (s)	None yet	None yet

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: Wildlife

District: Salida

Prepared by	Date	Biologist Mike Wrigley
Approved by	Date	District Ranger Charles E. Medina
Reviewed by	Date	Area Wildlife Manager Jim Aragon

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Unit 561 big game forage improvement		Prescribed burning, thinning

Location	Location (descriptive)
	Marshall Pass/Little Cochetopa

Goals and Objectives
In conjunction with planned hazardous fuels/forest health projects, we will identify areas that will potentially benefit from prescribed fire and other treatments to improve forage conditions for big game species such as deer, elk (MIS), and big horn sheep
Look at potential hazardous fuels treatments that may improve habitat conditions and/or reduce fire hazards that if wildfire occurred may have adverse effects on this species.

Treatment Proposed
Thinning, salvage of beetle killed trees, prescribed burning, and other
PAR Accomplishment: feasibility in FY07, 100 ac in FY08, 150 ac in FY09, 100 ac in FY10

Partnership Agreement # (s)	None yet	None yet
Partner Name (s)	Possibly RMEF?	Possibly CDOW - HPP
Expiration Date (s)	None yet	None yet

*Pike and San Isabel NFs Comanche and Cimarron NGs
5-Year Action Plan Narrative*

Resource: Wildlife

Districts: Salida

Prepared by	Date	Biologist Mike Wrigley
Approved by	Date	District Ranger Charles E. Medina
Reviewed by	Date	Area Wildlife Manager Jim Aragon

PROJECT DESCRIPTION

Project Name (same name as on spreadsheet)	Priority	Activity Type
Winter tracks monitoring/surveys		Inventory/Monitoring

Location	Location (descriptive)
Mountain passes and valleys	Various areas on both districts

Goals and Objectives
Monitor potential winter habitats for Canada lynx, wolverine, snowshoe hare, marten, ptarmigan, and other species in the snow to determine use patterns and presence on the Salida Ranger District.

Treatment Proposed
Identify and monitor populations and determine whether land management activities including recreation, vegetation treatments, or other activities affect populations
PAR Accomplishment: 100 ac/yr

Partnership Agreement # (s)	none	none
Partner Name (s)	CNHP?	none
Expiration Date (s)	none	none

***Pike and San Isabel NFs Comanche and Cimarron NGs
5-YEAR ACTION PLAN***

Resource Wildlife

District Pikes Peak

Prepared by: Steve Tapia
Biologist

Approved By: Brent Botts
District Ranger

Reviewed By: Dave Clippinger
Area Wildlife Manager

Date May 2, 2005

Date May 5, 2005

Date May 5, 2005

PROJECT DESCRIPTION

Project name: Rampart Wildlife Project **Priority:** 1
(Formerly the Queen's Quarry Lungworm Bait Site)

Type of Activity: Terrestrial Habitat Improvement

Location :
North of the former Queen's Quarry

Goals & Objectives:

Reduce Gambel oak and mountain mahogany cover on a former lungworm bait site for bighorn sheep in order to expand the herds habitat and re-create habitat areas so the bighorn sheep are not all concentrated in one location (thereby making them susceptible to disease transmission). The travel corridor between their primary habitat (the former quarry) and the former bait site is currently being treated (underway as of April 30, 2005).

Treatment Proposed (include projected PAR accomplishment)

The PAR accomplishment is 60 acres. An additional 40 acres is being treated on private land, however this does not count towards the target. The project area was treated in 2003 with a hydro-axe funded by Colorado Division of Wildlife and Safari Club International. A repeat of this treatment using a tractor and bush-hog is planned for 2006 if it is deemed safe to use on the slopes of the project area, otherwise a hydro-axe will be used again. This treatment will differ from the 2003 treatment in that timing of treatment will occur when the carbohydrate reserves are at their lowest point in the Gambel oak (approximately at 2/3 leaf-out according to the literature). Requesting \$8,000 in FY06 and \$10,000 in FY09.

Partnership Agreement Number(s): (a new agreement will be signed) **Partner name:** CO Division of Wildlife **Expiration Date(s):** Safari Club International 10 years from date of signed agreement.

***Pike and San Isabel NFs Comanche and Cimarron NGs
5-YEAR ACTION PLAN***

Resource Wildlife

District Pikes Peak

Prepared by: Steve Tapia
Biologist

Approved By: Brent Botts
District Ranger

Reviewed By: Dave Clippinger
Area Wildlife Manager

Date May 2, 2005

Date May 5, 2005

Date May 5, 2005

PROJECT DESCRIPTION

Project name: Ormes Peak Turkey Guzzler
Replacement

Priority: 2

Type of Activity: Terrestrial Habitat Improvement

Location :

Southeast of Ormes Peak

Goals & Objectives:

Replace turkey guzzler, which was originally constructed in 1993. The guzzler is in a state of disrepair, but has been widely used historically. A second goal is to construct a second guzzler funded privately in the vicinity of Casey's Lumber.

Treatment Proposed (include projected PAR accomplishment)

The PAR accomplishment is 2 wildlife structures. One structure will be the Ormes Peak replacement guzzler and the second structure will be a new guzzler funded entirely by the National Wild Turkey Federation and will be constructed approximately 1 mile northwest of Casey's Lumber Road in the vicinity of Turkey Track Road. Requesting \$1,800 in FY07.

Partnership Agreement Number(s): (agreement will be signed in 2005)

Partner name: National Wild Turkey Federation

Expiration Date(s): 5 years from date of signed agreement.

***Pike and San Isabel NFs Comanche and Cimarron NGs
5-YEAR ACTION PLAN***

Resource Wildlife

District Pikes Peak

Prepared by: Steve Tapia
Biologist

Approved By: Brent Botts
District Ranger

Reviewed By: Dave Clippinger
Area Wildlife Manager

Date May 2, 2005

Date May 5, 2005

Date May 5, 2005

PROJECT DESCRIPTION

Project name: Goshawk Territory / Nest Search

Priority: 3

Type of Activity: TE&S Surveys

Locations :

Missouri Gulch, Painted Rocks, Turkey Track, and Hotel Gulch

Goals & Objectives:

Four historic goshawk territories have been abandoned in the past 5 years due to human disturbance. This project is intended to locate the Alternate nest sites and determine use.

Treatment Proposed (include projected PAR accomplishment)

Conduct territory habitat mapping and nest search. The PAR accomplishment is 4 TE&S locations surveyed. Requesting \$6,000 in FY07.

Partnership Agreement Number(s): (agreement will be signed in 2005)

Partner name: Colorado College

Expiration Date(s): 10 years from date of signed agreement.