

Appendix A. Vegetation treatments and other projects designed to improve GrSG habitat. First 2 tables summarize acreages of plans and treatments, respectively. The 3rd table provides details of each treatment / plan. All treatments are 2001 ó January 2013. Rows highlighted in yellow indicate projects that were completed or where progress occurred from January 2012 through January 2013.

PLANS - (e.g., Wildlife Mitigation Plans, Grazing Plans, Ranch Management Plans, and Habitat Suitability Plans) Affected Acres

GrSG Population							
Completion Date	MP	MWR	NESR	NP	NWCO	PPR	Total
2004	4,500						4,500
2005	4,500						4,500
2006	4,500				55,332		59,832
2007	4,500						4,500
2008				123	114,997		115,120
2009					26,802	57,697	84,499
2012					800		800
Total	18,000			123	197,931	57,697	273,751

Treatments (Habitat Manipulation) -Affected Acres

GrSG Population							
Completion Date	MP	MWR	NESR	NP	NWCO	PPR	Total
2001					550		550
2002					200		200
2003					197		197
2004	1,921				50		1,971
2005	3,020		50	4,123	750		7,943
2006	1,268		280	813	360		2,721
2007	3,891		265	651	5,966		10,773
2008	490		936	13	4,408		5,847
2009	645	227	400	206	7,687		9,165
2010	80	26	167		172	221	666
2011	565		488		5,052	894	6,999
2012	500		958		1,376		2,834
Total	12,380	253	3,544	5,806	26,778	1,115	49,876

Details of vegetation treatments and other projects designed to improve GrSG habitat.

Popula- tion	Date	Project Name	Objectives	# Acres	Partners
MP	2005	Cow Gulch rangeland Aerial Fertilization	Increase herbaceous and grass production and stimulate sagebrush growth, also increase the amount of crude protein in sagebrush	40	BLM, CDOW, Summit County
MP	2005	Pinto Creek mechanical sagebrush treatment and seeding	Improve brood rearing and summer habitat by stimulating re-growth of sagebrush, forbs and grasses.	300	Private, CDOW
MP	2006	Woods Sagebrush treatments via Brushbeating and Lawson Aerator	Improve brood rearing and summer habitat by stimulating re-growth of sagebrush, forbs and grasses.	36	Private, CDOW
MP	2005	Multiple ranches, clover and ladak alfalfa interseeding around meadow edges	Improve brood rearing forage by planting a beneficial plant throughout Middle Park along irrigation ditches	750	CDOW, NRCS, Private
MP	2006	Multiple ranches, clover and ladak alfalfa interseeding around meadow edges	Improve brood rearing forage by planting a beneficial plant throughout Middle Park along irrigation ditches	120	NRCS, Private
MP	2007	Multiple ranches, clover and ladak alfalfa interseeding around meadow edges	Improve brood rearing forage by aerial application of clover seed along irrigation ditches throughout Middle Park	1,600	CDOW, NRCS, Private
MP	2007	East Fork Troublesome Creek Riparian Fencing	Improve sagebrush and riparian habitat by fencing out livestock	19	CDOW, USFWS Partners
MP	2007	Whitely Peak Sagebrush treatments via mowing	Improve brood rearing and summer habitat by stimulating re-growth of sagebrush, forbs and grasses.	5	CDOW, USFWS Partners
MP	2007	Antelope Creek aerial herbicide spraying	Improve brood rearing and summer habitat by stimulating re-growth of sagebrush, forbs and grasses.	245	CDOW, NRCS, USFWS Partners
MP	2007	Gunsight Pass Sagebrush treatments via brushbeating	Improve brood rearing and summer habitat by stimulating re-growth of sagebrush, forbs and grasses.	5	CDOW, USFWS Partners
MP	2007	Gunsight Pass aerial herbicide spraying & range seeding	Improve brood rearing and summer habitat by stimulating re-growth of sagebrush, forbs and grasses.	128	CDOW, NRCS, USFWS Partners
MP	2007	Gunsight pass riparian fencing	Improve sagebrush and riparian habitat by fencing out livestock	3,700 ft.	CDOW, NRCS, USFWS Partners
MP	2004	Red Mountain Rangeland Aerial Fertilization	Increase herbaceous and grass production and stimulate sagebrush growth, also increase the amount of crude protein in sagebrush	100	BLM, CDOW
MP	2005	Sulphur Gulch rangeland Aerial Fertilization	Increase herbaceous and grass production and stimulate sagebrush growth, also increase the amount of crude protein in sagebrush	40	BLM, CDOW
MP	2005	Muddy Creek Kremmling, rangeland Aerial Fertilization	Increase herbaceous and grass production and stimulate sagebrush growth, also increase the amount of crude protein in sagebrush	70	BLM, CDOW
MP	2006	West of Corral Creek, Rangeland Aerial Fertilization	Increase herbaceous and grass production and stimulate sagebrush growth, also increase the amount of crude protein in sagebrush	275	BLM, CDOW
MP	2006	Sulphur Gulch Rangeland Aerial Fertilization	Increase herbaceous and grass production and stimulate sagebrush growth, also increase the amount of crude protein in sagebrush	234	BLM, CDOW
MP	2007	Sulphur Gulch crested wheat removal	Improve rangeland and habitat quality by removing crested wheatgrass and planting native shrubs, forbs and grasses	100	BLM, CDOW
MP	2007	Sulphur Gulch native reseeding	Improve rangeland and habitat quality by removing crested wheatgrass and planting native shrubs, forbs and grasses	100	BLM, CDOW

Popula- tion	Date	Project Name	Objectives	# Acres	Partners
MP	2004	Derringer Dixie Harrow Project	Reduce woody overstory, increase forage production and species diversity, watershed hydrology, seral diversity, wildlife habitat improvement (landscape heterogeneity, edge, species diversity)	374	Private
MP	2004	BVR Brush Beating, 2004	Reduce woody overstory, increase forage production and species diversity, watershed hydrology, seral diversity, wildlife habitat improvement (landscape heterogeneity, edge, species diversity)	40	Private
MP	2004	Camp Creek Prescribed Burn	Reduce woody overstory, increase forage production and species diversity, watershed hydrology, seral diversity, wildlife habitat improvement (landscape heterogeneity, edge, species diversity)	600	Private
MP	2004	BVR Noxious Weeds, 2004	Reduce cover and spread of noxious weed species, propagate native forage production, expand wildlife habitat	30	Private
MP	2004	East Side Watershed Project	Capture and hold water runoff, catch sediment and slow erosion, foster creation of artificial wetlands, provide water sources for livestock and wildlife,	20	Private
MP	2004	East Side Prescribed Grazing, 2004	Increase forage production and species diversity, watershed hydrology, forest health and age class diversity, aspen regeneration and wildlife habitat improvement (landscape heterogeneity, edge, species diversity)	4,500	Private
MP	2005	BVR Brush Beating, 2005	Reduce woody overstory, increase forage production and species diversity, watershed hydrology, seral diversity, wildlife habitat improvement (landscape heterogeneity, edge, species diversity)	35	Private
MP	2005	BVR Noxious Weeds, 2005	Reduce cover and spread of noxious weed species, propagate native forage production, expand wildlife habitat	20	Private
MP	2005	East Side Prescribed Grazing, 2005	Increase forage production and species diversity, watershed hydrology, forest health and age class diversity, aspen regeneration and wildlife habitat improvement (landscape heterogeneity, edge, species diversity)	4,500	Private
MP	2006	BVR Brush Beating, 2006	Reduce woody overstory, increase forage production and species diversity, watershed hydrology, seral diversity, wildlife habitat improvement (landscape heterogeneity, edge, species diversity)	30	Private
MP	2006	BVR Noxious Weeds, 2006	Reduce cover and spread of noxious weed species, propagate native forage production, expand wildlife habitat	103	Private
MP	2006	East Side & State Pasture Prescribed Grazing, 2006	Increase forage production and species diversity, watershed hydrology, forest health and age class diversity, aspen regeneration and wildlife habitat improvement (landscape heterogeneity, edge, species diversity)	4,500	Private
MP	2007	BVR Brush Beating, 2007	Reduce woody overstory, increase forage production and species diversity, watershed hydrology, seral diversity, wildlife habitat improvement (landscape heterogeneity, edge, species diversity)	33	Private
MP	2007	BVR Noxious Weeds, 2007	Reduce cover and spread of noxious weed species, propagate native forage production, expand wildlife habitat	110	Private
MP	2007	East Side & State Pasture Prescribed Grazing, 2007	Increase forage production and species diversity, watershed hydrology, forest health and age class diversity, aspen regeneration and wildlife habitat improvement (landscape heterogeneity, edge, species diversity)	4,500	Private
MP	2008	BVR Noxious Weeds, 2008	Reduce cover and spread of noxious weed species, propagate native forage production, expand wildlife habitat	86	Private

Popula- tion	Date	Project Name	Objectives	# Acres	Partners
MP	2009	BVR Brush Beating, 2008	Reduce woody overstory, increase forage production and species diversity, watershed hydrology, seral diversity, wildlife habitat improvement (landscape heterogeneity, edge, species diversity)	35	Private
MP	2004	Lone Pine Timber Project	Increase forage production and species diversity, watershed hydrology, forest health and age class diversity, aspen regeneration and wildlife habitat improvement (landscape heterogeneity, edge, species diversity)	42	Private
MP	2005	Four-Forty Timber Project	Increase forage production and species diversity, watershed hydrology, forest health and age class diversity, aspen regeneration and wildlife habitat improvement (landscape heterogeneity, edge, species diversity)	101	Private
MP	2006	Welcome Point Timber Project	Increase forage production and species diversity, watershed hydrology, forest health and age class diversity, aspen regeneration and wildlife habitat improvement (landscape heterogeneity, edge, species diversity)	300	Private
MP	2007	State Pasture Timber Project	Increase forage production and species diversity, watershed hydrology, forest health and age class diversity, aspen regeneration and wildlife habitat improvement (landscape heterogeneity, edge, species diversity)	450	Private
MP	2008	Hunter & Sheephorn Timber Projects	Increase forage production and species diversity, watershed hydrology, forest health and age class diversity, aspen regeneration and wildlife habitat improvement (landscape heterogeneity, edge, species diversity)	404	Private
MP	2005	Junction Butte sagebrush treatments and Lawson Aerator	Improve brood rearing and summer habitat by stimulating re-growth of sagebrush, forbs and grasses.	361	BLM
MP	2005	Mitchell Reservoir sagebrush treatments via and Lawson Aerator	Improve brood rearing and summer habitat by stimulating re-growth of sagebrush, forbs and grasses.	90	BLM
MP	2005	McQuery Gulch sagebrush treatments via Lawson Aerator	Improve brood rearing and summer habitat by stimulating re-growth of sagebrush, forbs and grasses.	528	BLM
MP	2005	Moore Reservoir sagebrush treatments via Lawson Aerator	Improve brood rearing and summer habitat by stimulating re-growth of sagebrush, forbs and grasses.	475	BLM
MP	2005	Barger Gulch sagebrush treatments via Lawson Aerator	Improve brood rearing and summer habitat by stimulating re-growth of sagebrush, forbs and grasses.	200	BLM
MP	2005	BLM Wolford Management Area seeded seven miles of closed routes	Reclaim closed vehicle routes with beneficial forbs and grasses.	10	BLM
MP	2006	Antelope Creek Riparian Fencing	Improve sagebrush and riparian habitat by fencing out livestock	40	BLM
MP	2006	South of Pinto Creek sagebrush treatments via Brushbeating	Improve brood rearing and summer habitat by stimulating re-growth of sagebrush, forbs and grasses.	100 out of 300	BLM
MP	2007	South of Carter Creek sagebrush treatments via Dixie Harrow	Improve brood rearing and summer habitat by stimulating re-growth of sagebrush, forbs and grasses.	160	BLM

Popula-tion	Date	Project Name	Objectives	# Acres	Partners
MP	2007	Gunsight Pass sagebrush treatments via Dixie Harrow	Improve brood rearing and summer habitat by stimulating re-growth of sagebrush, forbs and grasses.	200	BLM
MP	2004	Hartman Divide Piñon Juniper Removal	Remove piñon juniper within historic range to improve habitat conditions	715	BLM
MP	2006	Hartman Divide Piñon Juniper Removal	Remove piñon juniper within historic range to improve habitat conditions	30	BLM
MP	2007	Junction Butte Fertilization	Increase herbaceous and grass production and stimulate sagebrush growth; also increase the amount of crude protein in sagebrush.	400	CDOW
MP	2007	Hunter Springs Weed Spraying	Canada thistle reduction to favor native plant species.	1	USFS
MP	2007	Muddy Allotment Weed Spraying	Yellow toadflax and Canada thistle control for native plant species recovery.	15	USFS
MP	2009	Back Troublesome Grouse Friendly Fencing	NRCS & FWS developed ponds on private property in close proximity to a sage-grouse lek. The DOW paid for fencing material for a temp electric fence so as to negate the need for a permanent fence which can cause grouse collisions and predator perches.	20	CDOW, NRCS, PFW, Private
MP	2009	DOW SWA Kemp Flats Shallow Pond Development	Develop shallow water ponds for wildlife. Will benefit sage-grouse by providing brood and summer foraging habitat. Flooded a weed infested patch of sagebrush habitat.	40	CDOW
MP	2009	BVR, Noxious Weed Control, 2009	Reduce cover and spread of noxious weed species, propagate native forage production, expand wildlife habitat.	100	Private
MP	2009	BVR, 2009 Jones Res/Romaine Timber Harvest	Increase forage production and species diversity, watershed hydrology, forest health and age class diversity, aspen regeneration and wildlife habitat improvement (landscape heterogeneity, edge, species diversity).	450	Private
MP	2010	Brood and Summer Habitat Fencing and Improved Grazing Project	Protection and restoration of brood and summer habitat via fencing and deferred grazing	80	Private, USFWS Partners, CDOW
MP	2011	Fertilized land	BLM Fertilized lands north of Granby landfill	350	BLM
MP	2011	Dixie Harrow	BLM Dixie Harrowed lands near Antelope Pass	200	BLM
MP	2011	Private lands water development project	Rangeland improvements to better water supply for livestock and provide 3 stock tanks and overflow.	2	Private
MP	2011	Alfalfa seeding	Alfalfa seeding on private lands	6	Private
MP	2011	Reclamation of Gravel Pit lek site.	Reseeding and contouring of gravel pit for lek site. Completed with seed from CPW.	5	CPW, Grand County, Private
MP	2011	Legume seeding in agricultural fields	Private lands test plots of legume seeding in agricultural fields. Testing different plant species over a 3 year period.	2	Private
MP	2011	Clover Seed Availability	NRCS clover seed made available to the public to seed along irrigated hay meadows and ditches. They make 2,000 lbs available each year to MP landowners.	NA	CPW, NRCS, Private
MP	2012	Pinyon-Juniper Removal	Pinyon-Juniper removal via hand clearing on 500 acres north of Kremmling.	500	CPW, FWS, NRCS, Private

Popula- tion	Date	Project Name	Objectives	# Acres	Partners
MP	2012	Fence Marking	Fence marking of 500m on private property. Wooded stays were added on long spans (12-16') to increase visibility and reflectors were placed over the draw where stays could not be added. The fence is located adjacent to a lek and winter concentration area. One fence strike was identified prior to the marking project.		CPW, NRCS, Private
MWR	2009	Wenschhof Easement Pasture Fence	Install wildlife-friendly fence on the Wenschhof Easement (held by CDOW) to better manage cattle grazing between irrigated pasture areas and upland sagebrush habitat. The fence will allow for better seasonal use of areas important for sage-grouse nesting.	202	CDOW, Private
MWR	2009	SCTF: Oak Ridge SWA PJ Removal	Remove encroaching PJ to restore GrSG habitat	25	CDOW
MWR	2010	SCTF: Oak Ridge SWA PJ Removal	Remove encroaching PJ to restore GrSG habitat	26	CDOW
NP	2005	Owl Ridge II Brush beat	Create small openings in sagebrush stand. Increase grass and forb component and create diversity of sagebrush age classes in brood habitat.	310	BLM/ North Park Habitat Partnership Program (NPHPP), Owl Mountain Partnership (OMP)
NP	2005	Owl Ridge II Lawson Aerator	Create small openings in sagebrush stand. Increase grass and forb component and create diversity of sagebrush age classes in brood habitat.	200	BLM/ NPHPP
NP	2006	Big Horn reseeding	Restore understory in a degraded grazing allotment	300	BLM, OMP, CDOW, Partners for Wildlife (PFW), Private, NPHPP
NP	2005	Refuge Cross Fence	build cross fence to improve grazing management options	1,693	CDOW, USFWS Refuges
NP	2005	Deer Creek WHIP	Install cross fence to improve grazing management; small sagebrush treatment	1,920	NRCS, PFW, OMP
NP	2007	Mexican Creek brushbeat and wet seep development	100 acres of small sagebrush treatments (brushbeating 1-5 acres); install solar pump on well and dribble water across ground to create wet seep for brood habitat	150	CDOW, PFW, OMP, Private
NP	2006	Tointon brushbeat	Create small openings in sagebrush stand. Increase grass and forb component and create diversity of sagebrush age classes in brood habitat.	200	BLM
NP	2006	Mexican Ridge brushbeat	Create small openings in sagebrush stand. Increase grass and forb component and create diversity of sagebrush age classes in brood habitat.	200	CDOW, OMP
NP	2006	Snakeweed removal	Herbicide treatment to remove snakeweed in order to improve grass and forb component	100	BLM
NP	2007	Owl Ridge Brush beat	Create small openings in sagebrush stand. Increase grass and forb component and create diversity of sagebrush age classes in brood habitat.	200	BLM
NP	2006	Government Creek Exclosure Repair	Fencing to protect riparian/wetland habitat	0.6	BLM
NP	2006	Sheep Mtn. Fen	Fencing to protect riparian/wetland habitat	7.2	BLM
NP	2006	Sheep Mtn. Fen - Electric Fence	Fencing to protect riparian/wetland habitat	3.5	BLM
NP	2006	Soap Creek riparian - electric fence 2006	Fencing to protect riparian/wetland habitat	0.6	BLM

Popula-tion	Date	Project Name	Objectives	# Acres	Partners
NP	2007	Soap Creek riparian - electric fence 2007	Fencing to protect riparian/wetland habitat	0.6	BLM
NP	2007	Seymour brushbeat	Create small openings in sagebrush stand. Increase grass and forb component and create diversity of sagebrush age classes in brood habitat.	100	OMP, Mule Deer Foundation (MDF)
NP	2007	McFarlene brushbeat	Create small openings in sagebrush stand. Increase grass and forb component and create diversity of sagebrush age classes in brood habitat.	200	OMP
NP	2008	Bush Draw Wet Seep	Dribble water across ground to create a wet seep area to enhance grass and forb growth and improve the insect component in brood habitat	2	CDOW, BLM
NP	2008	Walden Reservoir Wet Seep	Dribble water across ground to create a wet seep area to enhance grass and forb growth and improve the insect component in brood habitat	2	CDOW, BLM
NP	2009	Owl Mountain State Wildlife Area (SWA) Wet Seep	Dribble water across ground to create a wet seep area to enhance grass and forb growth and improve the insect component in brood habitat	2	CDOW, NPHPP, OMP
NP	2009	Refuge Wet Seep	Dribble water across ground to create a wet seep area to enhance grass and forb growth and improve the insect component in brood habitat	2	CDOW, USFWS, OMP
NP	2008	N/S State Lease Wet Seep	Dribble water across ground to create a wet seep area to enhance grass and forb growth and improve the insect component in brood habitat	2	CDOW, SLB, OMP
NP	2008	Cat Canyon Spring Development and Fencing Project	Develop spring and fence out the riparian area to relieve grazing pressure. Improve mesic vegetation condition and improve brood rearing habitat.	5	RMEF, SLB, Private, North Park Habitat Partnership Program (NPHPP), Owl Mountain Partnership (OMP)
NP	2008	Cowdrey Irrigation Improvement/Grazing Plan	Grazing plan and irrigation agreement to improve sage-grouse breeding and brood rearing habitat. Increased overall vegetative cover, residual cover and improved forb condition. Fence removal to improve overall wildlife habitat.	123	CDOW, Private, PFW
NP	2008	Box Spring Exclosure	Fencing to protect riparian/wetland habitat	2	OMP, CDOW
NP	2009	Shawver Wet Seep Development	Create wet seep; improve insect component in brood habitat.	2	CDOW, Private, North Park Habitat Partnership Program (NPHPP), Owl Mountain Partnership (OMP)
NP	2009	MacFarlane State Trust Land Sagebrush Treatment	Improve sagebrush age class diversity and density and improve understory communities. Improve brood-rearing habitat. Dixie Harrow	200	CDOW, Private, North Park Habitat Partnership Program (NPHPP), Owl Mountain Partnership (OMP)
NESR	2005	Redmond WHIP - NRCS	Create small openings in sagebrush stand. Increase grass and forb component and create diversity of sagebrush age classes in brood habitat. Restore riparian habitat	50	NRCS, PFW
NESR	2008	Devil's Grave WHIP	Improve grazing management through cross-fencing and water development. Create Wet seeps for brood habitat.	936	NRCS, PFW, CDOW
NESR	2007	State Bridge Hand Cutting	Hand cutting PJ in and around GrSG habitat to improve and restore habitat.	220	BLM
NESR	2006	Sunnyside PJ Treatment	Remove encroaching PJ to restore functional habitat	120	BLM, CDOW

Popula-tion	Date	Project Name	Objectives	# Acres	Partners
NESR	2006	Sunnyside PJ Treatment	Remove encroaching PJ to restore functional GrSG habitat	160	CDOW, Private
NESR	2009	Windy Point PJ Treatment	Remove encroaching PJ to restore functional GrSG habitat	400	BLM, CDOW
NESR	2007	Watson Creek treatment	Create small openings in sagebrush stand. Increase grass and forb component and create diversity of sagebrush age classes in brood habitat.	45	BLM, CDOW, Private
NESR	2010	SCTF: PJ Removal	Hydroaxe treatment to remove pinyon juniper in sagebrush community. Sage-grouse fitted with GPS transmitter documented sage-grouse use of similar hydroaxe on adjacent property	167	CDOW, Private
NESR	2011	SCTF: PJ Removal	Remove encroaching PJ to restore functional GRSG habitat.	488	CPW, BLM
NESR	2012	SCTF: PJ Removal	Remove encroaching PJ to restore functional GRSG habitat (Hydroaxe treatment).	410	CPW, BLM
NESR	2012	PJ Removal	Remove encroaching PJ to restore functional GRSG habitat (Handcutting treatment).	263	BLM, CPW
NESR	2012	SCTF: PJ Removal	Remove encroaching PJ to restore functional GRSG habitat (Hydroaxe treatment).	85	CPW, USFS
NESR	2012	PJ Removal	Remove encroaching PJ to restore functional GRSG habitat (Handcutting treatment).	200	USFS
NWCO	2008-2009	Butler WHIP Seeding	Improve grass and forb diversity and improve structure in old ag field that had been planted for upland hay	330	NRCS, CDOW, PFW
NWCO	2003	Mystic WHIP	Improve grass and forb diversity and improve structure in retired CRP	197	CDOW, NRCS
NWCO	2005	Sevenmile Ridge PJ project - Phase 1	Remove PJ to restore areas back to sagebrush to provide GrSG habitat	750	BLM
NWCO	2007	Bighole Gulch Sagebrush Treatment	Enhancement of GrSG brood-rearing habitat through sagebrush management.	875	NRCS, Private
NWCO	2007	Dunkely Flattops Sagebrush Treatment	Enhancement of GrSG brood-rearing habitat through sagebrush management.	108	NRCS, Private
NWCO	2009	Sevenmile Draw Brushbeat	Stand age diversity and improved understory	660	BLM
NWCO	2009	Sevenmile Ridge PJ treatment - Phase 2	Remove young piñon and juniper trees to maintain sagebrush communities. Handcutting.	1,000	BLM
NWCO	2007	Cold Springs Phase 1	Improve brood rearing habitat and create a diversity of sagebrush age classes. Small, randomly located patches aerielly sprayed with 2,4-D to treat about 20% 4121 acres of sagebrush. Patches 0.1-0.4 acres each.	4,121	BLM, State, Private
NWCO	2008	Cold Springs Phase 2	Improve brood rearing habitat and create a diversity of sagebrush age classes. Small, randomly located patches aerielly sprayed with 2,4-D to treat about 20% of 3248 acres of sagebrush. Patches 0.1-0.4 acres each.	3,248	BLM, State, Private
NWCO	2009	Cold Springs Phase 3	Improve brood rearing habitat and create a diversity of sagebrush age classes. Small, randomly located patches aerielly sprayed with 2,4-D to treat about 20% of 4213 acres of sagebrush. Patches 0.1-0.4 acres each.	4,213	BLM, State, Private
NWCO	2008	Diamond Peak Phase 1	Improve brood rearing habitat and create a diversity of sagebrush age classes. Small, randomly located patches aerielly sprayed with spike to treat about 20% of 1000 acres of sagebrush. Patches 0.1-0.4 acres each.	1,000	BLM

Popula- tion	Date	Project Name	Objectives	# Acres	Partners
NWCO	2009	Diamond Peak Phase 2	Improve brood rearing habitat and create a diversity of sagebrush age classes. Small, randomly located patches aerially sprayed with spike to treat about 20% of 1000 acres of sagebrush. Patches 0.1-0.4 acres each.	500	BLM
NWCO	2008	Blue Mountain Brush Beat	Improve sagebrush age-class diversity and density and improve understory communities. Trying to bring sagebrush vegetative cover closer to ground level for improved nesting habitat. Brush beating	160	BLM
NWCO	2009	Bighole Gulch Grazing Management	Rotational grazing to enhance regionally important brood area	14,000	BLM, Private
NWCO	2009	Axial Basin	Weed management, primarily for whitetop. Is part of the Axial basin CRM	500	BLM
NWCO	2006	Lemon Springs Grazing Mgt.	Grazing Management	20,737	BLM
NWCO	2008	Vermillion Ranch Grazing Management	Grazing Management	58,000	Private, BLM, State
NWCO	2000	CA Park Grouse Habitat Restoration Project 2000	Habitat Restoration - seeding	10	USFS, CDOW
NWCO	2001	CA Park Grouse Habitat Restoration Project 2001	Habitat Restoration - seeding	500	USFS, CDOW
NWCO	2001	CA Park Grouse Habitat Restoration Project - Therber fescue plugs	Habitat Restoration - planting therber fescue plugs	50	USFS, CDOW
NWCO	2002	CA Park Grouse Habitat Restoration Project 2002	Habitat Restoration - fertilization of 2001 seeding	200	USFS, CDOW
NWCO	2004	CA Park Grouse Habitat Restoration Project 2004	Habitat Restoration - seeding	50	USFS, CDOW
NWCO	2006	CA Park Grouse Habitat Restoration Project 2006	Habitat Restoration - seeding	200	USFS, CDOW
NWCO	2006	Rangeland Management Plan	Grazing Management Plan	34,595	USFS
NWCO	2012	CA Park Second Creek Restoration Plan	Overarching Restoration Plan for the Grouse Habitat improvement in CA Park 2nd Creek Pasture	800	USFS, CDOW
NWCO	2009	Stewardship Range Management Plan (Slater Park)	Grazing Management Plan	12,802	USFS
NWCO	2006	Bitterbursh SWA understory enhancement	Enhance/restore degraded meadow understory to improve brood habitat for greater sage-grouse and re-establish nesting cover within closer proximity to meadow. Interseeding bunchgrasses, forbs and big sagebrush.	160	CDOW
NWCO	2007	NPS Slauch-Wall Sagebrush Treatment	Improve sagebrush structure for more effective nesting habitat.	862	BLM, NPS
NWCO	2008	Cold Springs Vegetative Assessment	Obtain vegetative baseline for future habitat project and grazing management	20,262	SLB, CDOW
NWCO	2008	Baker's Peak Vegetative Assessment	Obtain vegetative baseline for future habitat project and grazing management	12,408	SLB, CDOW
NWCO	2008	Nipple Rim/Sand Wash Vegetative Assessment	Obtain vegetative baseline for future habitat project and grazing management	24,327	SLB, CDOW
NWCO	2009	SCTF: Blue Mountain-Three Springs PJ Removal	Remove encroaching PJ to restore functional GrSG habitat	339	Private, BLM, CDOW

Popula- tion	Date	Project Name	Objectives	# Acres	Partners
NWCO	2009	SCTF: Serviceberry Mountain PJ Removal	Remove encroaching PJ to restore functional GrSG habitat	145	BLM, SLB, CDOW
NWCO	2010	SCTF: Axial Basin Interseed	Increase understory diversity and productivity in pasture grass stand	95	Private, CDOW
NWCO	2010	SCTF: Axial Basin Restoration	Restore agricultural land to native sagebrush community	77	Private, NRCS, CDOW
NWCO	2011	SCTF: Bear Valley PJ Removal	Remove encroaching PJ to restore functional GrSG habitat	1,434	Private, BLM, CDOW
NWCO	2011	SCTF: Peck Mesa PJ Removal	Remove encroaching PJ to restore functional GrSG habitat	167	Private, BLM, CDOW
NWCO	2011	SCTF: Cedar Mountain Restoration	Restore agricultural land to native sagebrush community	192	Private, NRCS, CDOW
NWCO	2011	SCTF: Alkali Fire Restoration	Seed burned area to increase likelihood of desirable species response	1,650	Private, NRCS, FWS Partners, CDOW
NWCO	2011	SCTF: GMU 1 PJ Removal	Remove encroaching PJ to restore functional GRSG habitat	207	CPW, Private
NWCO	2011	SCTF: Ag Restoration in NWCO population.	Began the process of restoring 1290 acres of old CRP (smooth brome and intermediate wheatgrass) with wildlife seed mix that includes sagebrush, native grasses, and forbs. 112 acres cultivated ground seeded with same wildlife mix.	1,402	CPW, Private
NWCO	2012	SCTF: GMU 1 PJ Removal Phase II	Remove encroaching PJ to restore functional GRSG habitat	174	CPW, Private
NWCO	2012	SCTF: Ag Restoration in NWCO population.	Began the process of restoring an additional 571 acres of old CRP (smooth brome and intermediate wheatgrass) to a wildlife seed mix that includes sagebrush, native grasses, and forbs. Practice involves extensive seed-bed preparation prior to seeding.	571	CPW, Private, NRCS, FSA
NWCO	2012	SCTF: Ag Restoration in NWCO population.	Aerial application of locally adapted mountain big sagebrush to CRP restoration areas.	631	CPW
PPR	2009	EnCana Wildlife Mitigation Plan	EnCana wildlife mitigation plan protecting sage-grouse through planning and proper mitigation.	Appro x. 10,000	CDOW, EnCana
PPR	2009	Marathon Comprehensive Development Plan	Marathon comprehensive development plan protecting sage-grouse through planning and proper mitigation.	42,697	CDOW, Marathon
PPR	2009	Williams Comprehensive Development Plan	Williams comprehensive development plan protecting sage-grouse through planning and proper mitigation.	Appro x. 5,000	CDOW, Williams
PPR	2010	SCTF: Ryan & Galloway PJ Removal	Remove encroaching PJ to restore functional GrSG habitat	221	Private, BLM, CDOW
PPR	2011	SCTF:Piceance PJ Removal	Remove encroaching PJ to restore functional GRSG habitat;	294	CPW, Private, BLM
PPR	2011	BLM Burn on Brush Mtn	Burn to thin sagebrush to create patchy mosaic and create multiple age stands.	Not yet avail. (<644?)	BLM