

Appendix 3: Chatfield Basin Key Wildlife and Vegetation Species and Key Processes

Chatfield Basin - Habitat Types, Species, and Design Roles						
	<u>Grassland</u>			<u>Shrubland</u>		
Species Design Role	Tall Grass Prairie	Midgrass Prairie	Shortgrass Prairie	Scrub Oak	Foothills Shrubland	
High Public Profile	Plains sharptail grouse	Swainson's hawk	Swainson's hawk Burrowing owl	Colorado hairstreak		
Umbrella	Plains sharptail grouse	Plains sharptail grouse		Black bear	Mule deer	
Keystone	Tallgrass species trio	Midgrass species	Black-tailed prairie dog	Western scrub jay		
High Quality Indicator	Grasshopper sparrow Butterfly complex	Vesper's sparrow Butterfly complex	Ferruginous hawk Butterfly complex		Virginia's warble Rock mouse	
H. Quality Plant Indicator	Switchgrass Big bluestem Indiangrass	Western wheatgrass, Little bluestem, Sideoats grama	Western wheatgrass Green needlegrass Wiinterfat Fourwing saltbush	Scrub oak, bluestems	Mountain Mahogany Threeleaf sumac	
Disturbance Sensitive Trail Effect	Plains sharptail grouse	Vesper sparrow Western meadowlark	Vesper sparrow Western meadowlark			
Increase with Development	Non-native grasses	Cheatgrass	Cheatgrass			
Rare/Declining						
Invasive species						
Keystone Processes	Fire; grazing	Fire; grazing	Fire; grazing	Fire; acorn dispersal	Fire; browsing	
	<u>Forest</u>		<u>Riparian</u>		<u>Special</u>	
	Ponderosa Pine	Douglas Fir	Plains Riparian		Cliff and Rock Outcroppings	Aquatic
High Public Profile	Flamulated owl		Bald eagle		Peregrine Falcon; Golden Eagle	Bald eagle
Umbrella						Bald Eagle
Keystone			Cottonwood			
High Quality Indicator	Flamulated owl Pygmy nuthatch		Preble's		White-throated swift	American Dipper; Aquatic insect
H. Quality Plant Indicator			Multi-age Cottonwood; shrub and willow			
Disturbance Sensitive Trail Effect	Plumbeous vireo		Western wood pewnee		Prairie Falcon	
Increase with Development						Cattails
Rare/Declining			Red fox			
Invasives						
Keystone Processes			Flooding; sediment transport; Energy dissipation; cottonwood regeneration			