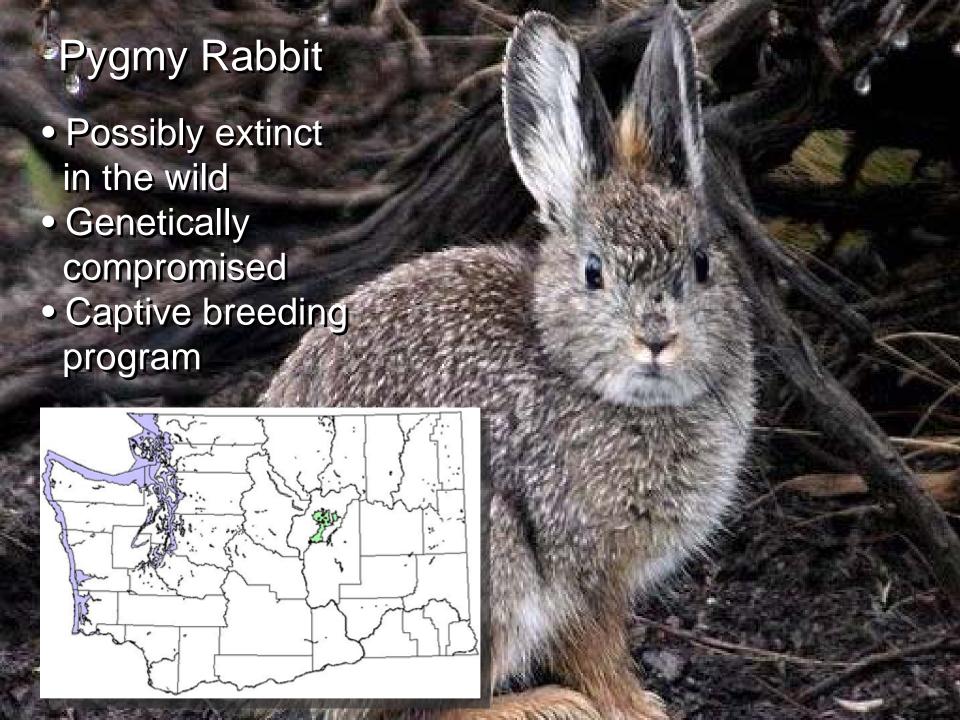


## Sharp-tailed Grouse

>90% decline statewide >90% decline in project vicinity

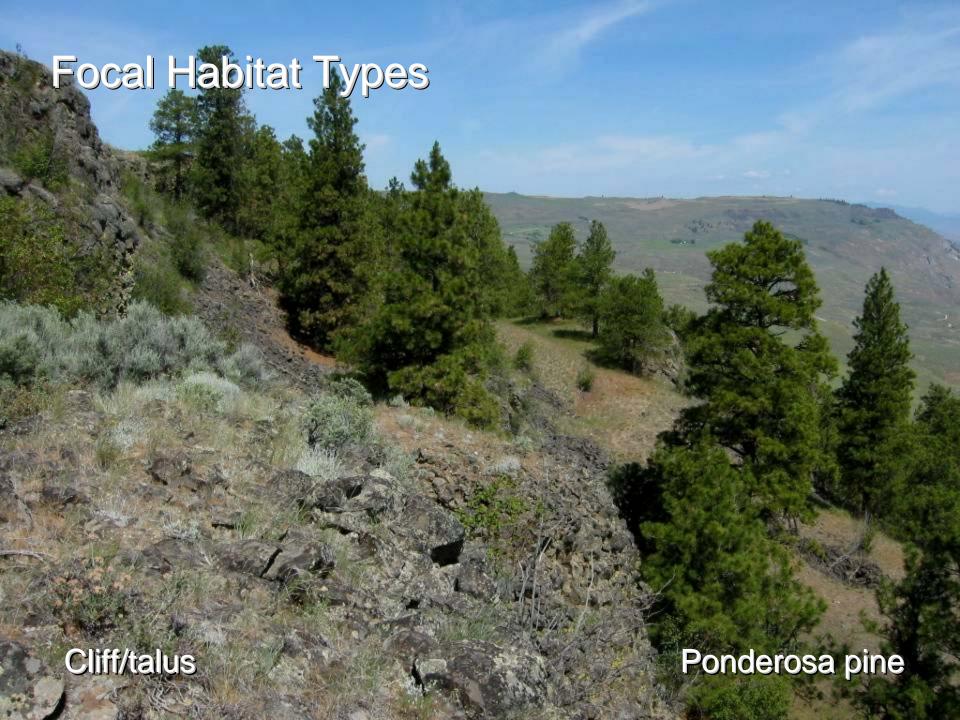






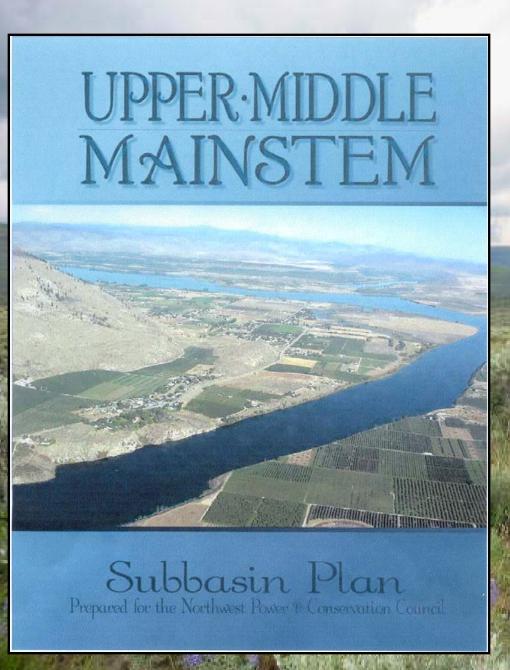


# Focal Habitat Types

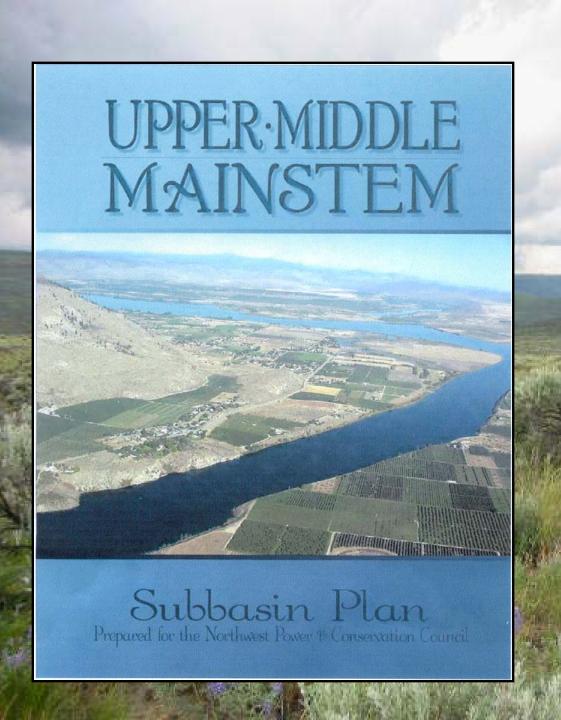






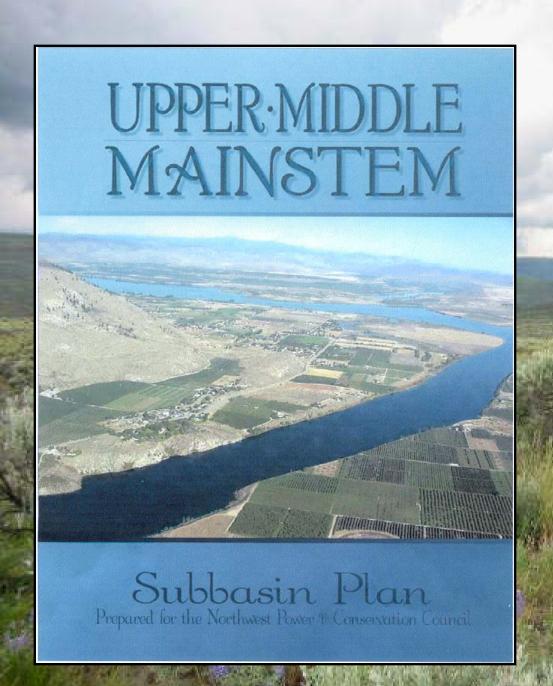






### Limiting Factors

Shrubsteppe Riparian wetlands Herbaceous wetlands 88-88 segag



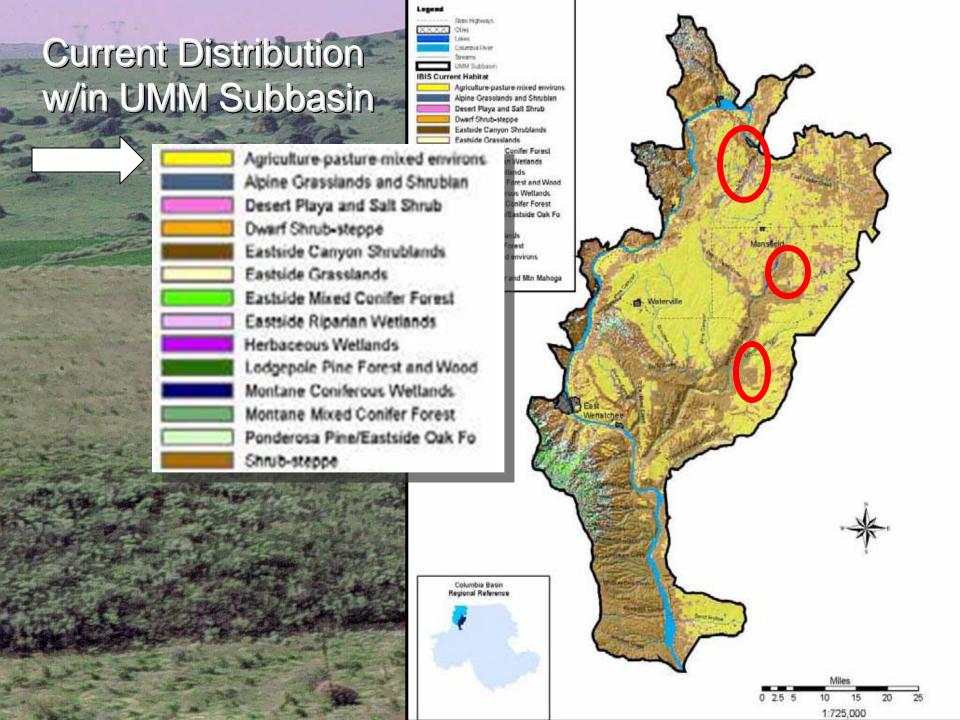
### Limiting Factors

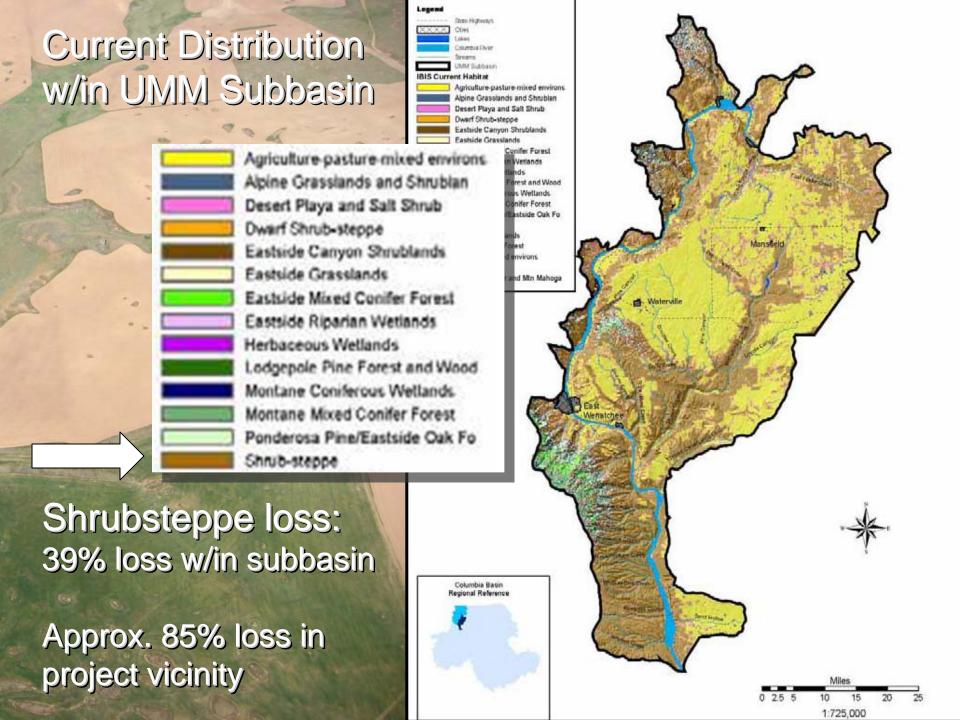
Lack of quality of habitat due to:

Permanent removal
agricultural
urban
development

Degradation & fragmentation

### State Highways Columbia River Historic Distribution UMM Subbasin IBIS Historical Habitats Alpine Grasslands and Shrublan Desert Playa and Salt Shrub w/in UMM Subbasin Dwarf Shrub-steppe Eastside Grasslands Eastside Mixed Conifer Forest Eastside Riparian Wetlands Grass-shrub and/or Regen Fores State Highways Pine Forest and Wood xed Conifer Forest Cities Pine/Eastside Oak Fo Lakes arklands en Forest Columbia River Mansfield iper and Mtn Mahoga Streams UMM Subbasin IBIS Historical Habitats Alpine Grasslands and Shrublan Desert Playa and Salt Shrub Dwarf Shrub-steppe Eastside Grasslands Eastside Mixed Conifer Forest Eastside Riparian Wetlands Grass-shrub and/or Regen Fores Herbaceous Wetlands Lodgepole Pine Forest and Wood Montane Mixed Conifer Forest Ponderosa Pine/Eastside Oak Fo Shrub-steppe Subalpine Parklands Upland Aspen Forest Water Western Juniper and Mtn Mahoga 1:725,000

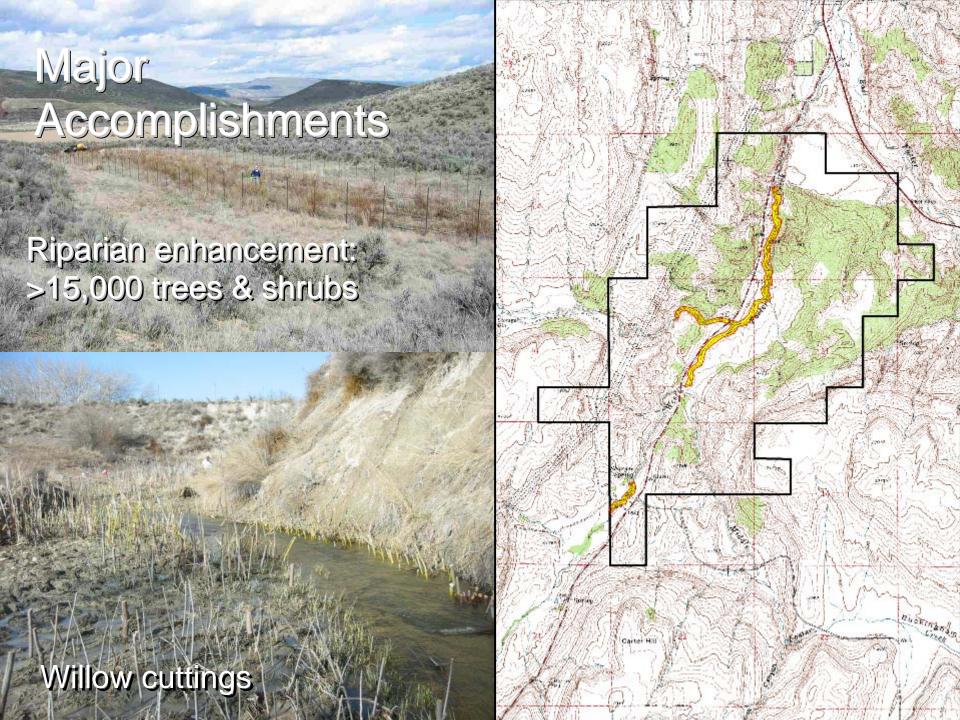












# Major Accomplishments Riparian enhancement: Deer exclosures 3 years after fencing 4 years after planting















Grassland/Shrub-steppe Habitat Units					
Area/Unit	Baseline*	2007	HU Gain	Percent Gain	
Bridgeport	2230.62	2981.95	751.33	33.68	
Chester Butte	1437.77	2946.06	1508.29	104.90	
Dormaier	448	482.92	34.92	7.79	
Total	4116.39	6410.93	2294.54	55.74	
* Baseline surveys performed in 1996 and 1999					



Grassland/Shrub-steppe HEP	Results - Habitat Suitability Index (HSI)
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Area/Unit	Species	Baseline- 96-99	2007	HSIGain/ Loss	Percent Gain/Loss
Bridgeport	Mule Deer	0.27	0.45	0.18	66.67
Bridgeport	Sharp-tailed Grouse	0.46	0.7	0.24	52.17
Bridgeport	W. Meadowlark	0.4	0.37	-0.03	-7.50
Chester Butte	Mule Deer	0.34	0.54	0.20	58.82
Chester Butte	Sage Grouse	0.22	0.62	0.40	181.82
Dormaier	Pygmy Rabbit	0.4	0.65	0.25	62.50
Dormaier	Mule Deer	0.5	0.48	-0.02	-4.00
Dormaier	Sage Grouse	0.5	0.62	0.12	24.00

## Major Accomplishments





Sharp-tailed grouse translocation 2005 - 2008









## Sharp-tailed Grouse

