					Garton et al. 2011				Threats						
						2107 % chance									Inva sp
MZ	Population	New population, subpop, or management unit names	CO 3 yr ave 2010 - 2012 or UT numbers males 10 yr avg.	2007 pop (number males) - Carry cap, or # males counted	2000-2007λ	<20 males	<200 males	Risk Level	isolated / small pop	sagebrush elimination	ag conversion	fire	disease	predation	conifer
MZ1: Great Plains	Overall														
Great Plains	Dakotas	x		587		45	66	C1	C	E	E	G	C	F	U
Great Plains	Northern Montana	x		2,744	1.03	0	2	C4	H	E	E	E	D	F	H
Great Plains	Powder River Basin	x		3,042	1.03	86	86	C2	H	E	E	E	C	D	E
Great Plains	Yellowstone watershed	x		2,948	1.01	56	60	C3	H	E	B	E	D	F	E
MZ2: Wyoming Basin	Overerall														
Wyoming Basin	Eagle-so. Routt (CO)	x	102	65	0.91		100	C1	B	E	G	E	G	E	E
Wyoming Basin	Jackson Hole	x		129	1.08	27	100	C2	A	E	H	E	H	U	E
Wyoming Basin	Laramie (WY)	x		ND	ND	ND	100	C1	A	H	H	D	U	D	G
Wyoming Basin	Middle Park (CO)	x	212	255 or 190	0.98	7	100	C2	B	G	G	G	U	U	H
Wyoming Basin	Wyoming basin	WY part of WY Basin		40,166	1.06	10	11	C4	H	E	H	E	E	U	H
Wyoming Basin	Wyoming basin (CO)	North Park	775	ND	ND	ND	ND	C4	H	F	G	G	G	G	H
Wyoming Basin	Wyoming basin (CO)	NWCO	1,852	ND	ND	ND	ND	C3	H	E	F/G	D	G	G	E
Wyoming Basin	Wyoming basin (UT)	Rich-Summit-Morgan	1,223	ND	ND	ND	ND	C4							
Wyoming Basin	Wyoming basin (UT)	Uintah-Diamond Mountain	452	ND	ND	ND	ND	C4?							
MZ3: Southern Great Basin	Overall														

Southern Great Basin	Northeast interior (UT)	Strawberry Valley (part of NE Int. UT)	82	358	1.12	9	79	C3							
Southern Great Basin	Northeast interior (UT)	Carbon (part of NE Int. UT)	119					C2							
Southern Great Basin	Sanpete-Emery Counties (UT)	Emery	30	22	1.43	99	100	C4?							
Southern Great Basin	South Central Utah	Greater Parker Mountain	821	1,219	1.05	1	21	C3							
	South Central Utah	Panguitch	304					C3							
	South Central Utah	Bald Hills	68					C2							
Southern Great Basin	Summit Morgan Counties (UT)	This was included in Rich-Summit-Morgan already	x	81	0.99	42	100	NA	NA	NA	NA	NA	NA	NA	NA
Southern Great Basin	Toole-Juab Counties (UT)	Sheeprock	102	148	1.06	100	100	C1							
Southern Great Basin	Southern Great Basin	NV Portion						C3	G	E	F	B	U	G	A
Southern Great Basin	Southern Great Basin (UT)	Ibapah	39	4,400	1.02	4	78	C3							
Southern Great Basin	Southern Great Basin (UT)	Hamlin Valley	89					C3							
Southern Great Basin	Northwest interior (NV)	x		112	0.94	ND	ND	C1	A	H	F	A	U	F	F
Southern Great Basin	Quinn Canyon Range (NV)	x		-	ND	ND	ND	C1	U	H	F	D	U	F	B
MZ4: Snake River Plains	Overall														
Snake River Plains	Baker (OR)	x		137	0.95	67	100	C2	D	G	G	G	G/U	U	E
Snake River Plains	Bannack (MT)	Southwest MT		304	1.09	33	98	C4							
Snake River Plains	Red Rocks (MT)			448	1.11	3	92								
Snake River Plains	Wisdom (MT)			110	0.93		100								
Snake River Plains	Bridges (MT)								H	E	H	E	H	F	E

Snake River Plains	East central (ID)	x		33	0.84		100	C1	A	E	G	E	D	F	G
Snake River Plains	Snake-Salmon-Beaverhead (ID)	x		5,457	1.03	19	27	C4	H	E	E	A	E	F	E
Snake River Plains	Sawtooth (ID)	x						C1	A	E	H	E	D	U	U
Snake River Plains	Belt Mountains (MT)	x						C1	A	E	B	E	H	F	E
Snake River Plains	Weiser (ID)	x						C2	B	E	E	E	D	F	E
Snake River Plains	Northern Great Basin	OR, ID, NV portion		9,114	1.01	3	100	C3	H	E	E	A	E	F	B
Snake River Plains	Northern Great Basin (UT)	Box Elder	755					C3							
MZ5: Northern Great Basin	Overall														
Northern Great Basin	Central Oregon	x		835	0.96	75	91	C2/C3	H	E	E	C	U	U	B
Northern Great Basin	Klamath	x		7		100	100	C1	A	U	U	D	U	U	A
Northern Great Basin	Warm Springs Valley (NV)	x						C2	D	G	G	A	U	B	F
Northern Great Basin	Western Great Basin	x		5,904	1.03	6	99	C3	H	G	G	B	G	U	B
MZ6: Columbia Basin	Overall														
Columbia Basin	Moses Coulee	x		230	1.00	62	100	C2	B	F	A	E	U	F	H
Columbia Basin		Crab Creek						C1	A	F	B	E	U	F	G
Columbia Basin		Yakama Indian Nation						C1	A	H	H	A	U	F	H
Columbia Basin	Yakima (Training Center)	x		85	0.94	50	100	C1	A	H	E	D	U	F	G
MZ7: Colorado Plateau	Overall														
Colorado Plateau	Piceance Basin (CO)	Parachute-Piceance-Road (PPR)	119	101	1.22		100	C1	A	E	H	D	U	F	A
Colorado Plateau	White River (UT)	no longer mgmt unit because extirpated?						NA	NA	NA	NA	NA	NA	NA	NA

Colorado Plateau	East Tavaputs Plateau (UT)	Indian Tribe: not management unit although birds are there because it's tribal?						NA	NA	NA	NA	NA	NA	NA	NA
Colorado Plateau	White River (CO)	Meeker-White River	5					C1	A	G	G	C	U	E	H
Colorado Plateau	Garfield (CO)	DELETE - extirpated						NA	NA	NA	NA	NA	NA	NA	NA
Bi-State DPS	Overall														
Southern Great Basin	North Mono Lake	x		274	1.05	38	100	C3							
Southern Great Basin	South Mono Lake	x		255	1.08	1	100	C3							
Southern Great Basin	Pine Nut (NV)	x						C1							
Southern Great Basin	White Mountains (NV-CA)	x						C2/C3							

sive op	Industry		Infra-structure	Grazing		Develop-ment		Climate		
weeds/ annual grass	Energy (renew. & non-renew)	mining	roads, power & pipe lines	livestock	feral horse	recreation	urbanization	drought	climate change	**Notes**
H	A	D	B	E	H	H	H	U	U	
E	D	H	F	F	H	E	H	U	U	
D	A	B	A	F	H	F	E	U	U	Livestock- F in general, E in places. Received input from Tom C., WDFG.
D	B	H	F	F	H	E	H	U	U	
G	G	H	B	F	H	E	B	U	U	
G	H	H	H	H	H	D	E	U	U	Received input from Tom C., WDFG.
F	A	U	A	F	H	G	G	U	U	Received input on threats from Tom C., WDFG, checked with T. Creekmore, Population rank changed to C1 base
G	G	G	D	F	H	G	A	U	U	
E	B	H	B	F	E	F	E	U	U	Livestock - F in general, E in places; Recreation F in general, E in places. Received input from Tom C., WDFG.
G	B	G	B	F	H	G	B	U	U	
C	B/C	B	A	F	E	F	E	U	U	urbanization is locallized but only moderate not substantial

										all small pops
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Included with Rich-Morgan-Summit already
								U	U	
A	E	E	E	E	E	F	H	U	U	
								U	U	Since they are part of the S. Great Basin they can be ranked above a C2 even though the UT portion is less than 20
								U	U	Since they are part of the S. Great Basin they can be ranked above a C2 even though the UT portion is less than 20
A	U	G	F	B	B	F	H	H	U	If fish creek is included they are above 500 birds/200 males
B	U	H	B	B	B	F	H	U	U	
D	E	G	E	U	H	E	E	U	U	pop est. larger and more connected than more previously thought. ODFW lek counts indicated more than 300 males (or 750 birds if applying the Garton et al. (2011) 2.5 sex ratio) in Baker County in 2011
D	E	E	E	F	H	E	E	U	U	Telemetry shows movements btwn all 4 pops. These 4 pop combined into 1 pop

E	D	H	F	F	H	E	H	U	U	
B	D	H	E	F	F	E	H	C	U	
E	H	H	F	F	H	E	H	U	U	may not exist
D	E	H	E	F	H	E	E	U	U	
D	D	H	E	F		E	E	U	U	
A	E	E	B	F	E	F	G	U	U	
D	E	G	E	D	U	E	E	U	U	
D	E	H	G/U	U	U	U	U	U	U	
B	D	G	B	G	E	F	C	U	U	part of W. Great Basin but at risk of becoming isolated
B	E	E	E	B/C	B	U	H	U	U	OR's least at risk pop
D	D	H	D	F	H	G	F	U	G	changes in Farm Bill program is largest risk
D	F	H	D	D	H	G	F	U	G	
B	D	H	B	G	H	G	G	U	G	
B	H	H	F	G	A	G	H	U	G	
E	A	C	A	F	G	H	H	U	U	PJ encroachment includes service berry; oil shale mining
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
E	D	D	D	F	H	H	A	U	U	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
										Bi-state
										Bi-state
										Bi-state
										Bi-state

d on small size.

0 males.	
0 males.	