APPENDIX 1:
CWCS SPECIES OF GREATEST CONSERVATION NEED

09/12/2005

Evo	ELCODE	COMMON NAME	SCIENTIFIC NAME	SGCN (179)	CRITERIA: Y-Axis (9.5)	Concerns: Threats	Current status	Socio-econ value	Vulnerability	X-Axis (7.5)	Actions: Knowledge	Expenditures	Conservation measures in place	Status for Calculation	RANKING BIOLOGIST COMMENTS	WDFW Species Of Concern	ESA	NHP G-Rank	NHP S-Rank	PHS: Criteria	Area	Region	WDFW Game Plan	Ecoregions: NW Coast	Puget Trough	N Cascades	W Cascades	E Cascades	Okanogan	Can. Rockies	Blue Mountains	Columbia Plat.	WHROW HABITAT COMMENTS	MANAGEMENT/ RECOVERY/ STATUS REPORTS AND DATES
6	AMABA01030	Preble's shrew	Sorex preblei	1	**13**	5	4	1	3	**4**	1	1	2	S1	Peripheral, unknown if still extant	M	Co	G4	S1												x		5, 8, 15-17, 19, 22, 25	
6	AMABA01230	Merriam's shrew	Sorex merriami	1	**10**	3	3	1	3	**6**	1	2	3	C		C		G5	S3	1	a	1,2,3									x	T	15, 16, 17, 18	
6	AMACC01060	Keen's myotis	Myotis keeni	1	**15**	5	4	1	5	**4**	1	1	2	S1	Peripheral	C	Co	G2	S1	1,2	a	6		T	x								1	
6	AMACC08010	Pallid Townsend's big-eared bat	Corynorhinus townsendii pallascens	1	**11**	3	3	2	3	**7**	2	2	3	C		C	Co	G4	S3	1,2	a	1,2,3,4,5,6						T	T	T	T	T	1-7, 9, 11-16, 19, 21, 23-25	MR 1991
6	AMACC08014	Pacific Townsend's big-eared bat	Corynorhinus townsendii townsend	1	**11**	3	3	2	3	**7**	2	2	3	C		C	Co	G4	S3	1,2	a	1,2,3,4,5,6		T	T	T	T						1-7, 9, 11-16, 19, 21, 23-25	MR 1991
6	AMAEB03040	White-tailed jackrabbit	Lepus townsendi	1	**13**	4	3	2	4	**3**	1	1	1	C		C		G5	S2	1,3	a,c	1,2,3							T			x	15, 16	
6	AMAEB03050	Black-tailed jackrabbit	Lepus californicus	1	**11**	3	3	2	3	**5**	2	1	2	C		C		G5	S2	1,3	a,c	1,2,3										x	16, 18	
6	AMAEB04010	Pygmy rabbit	Brachylagus idahoensis	1	**18**	5	5	3	5	**4**	2	1	1	E		E	E	G4	S1	1	a	1,2,3										T	16	SR 1993, RP 2003;1995
6	AMAFB03050	Olympic marmot	Marmota olympus	1	**10**	3	2	2	3	**6**	1	2	3	S3				G3	S3					T									9, 10	
6	AMAFB05010	Townsend's ground squirrel ssp.	Spermophilus townsendii townsendi	1	**13**	4	3	1	5	**4**	2	1	1	C		C		G4	S3	1	a	3										x	16, 17, 19	
6	AMAFB05020	Washington ground squirrel	Spermophilus washington	1	**12**	4	3	1	4	**3**	1	1	1	C		C	C	G3	S2	1	c	1,2										x	15, 16, 17	SR 2004d
6	AMAFB05200	Townsend's ground squirrel ssp.	Spermophilus townsendii nancyae	1	**12**	4	3	1	4	**3**	1	1	1	S2		C		G5	S2													x	16, 17, 18	
6	AMAFB07020	Western gray squirrel	Sciurus griseus	1	**16**	5	4	2	5	**4**	2	1	1	T		T	Co	G5	S2	1	a	2,3,5,6			T		T	T	T			x	2, 3, 7, 20	SR 1993, RP 2005, MR 1991
6	AMAFC01041	Brush Prairie pocket gopher	Thomomys talpoides douglasi	1	**13**	4	3	1	5	**3**	1	1	1	C		C		G5	S2	1	a	5			T								1, 4-9, 13-16, 19, 24, 25	SR 2005, MR 1991
6	AMAFC01060	Mazama (western) pocket gopher	Thomomys mazama	1	**14**	5	3	1	5	**4**	1	1	2	C		C	C	G4	S2	1	a	5,6		T	x								1-4, 7, 9,--11, 19, 20, 27	SR 2005d, MR 1991
6	AMAFF11012	Kincaid meadow vole	Microtus pennsylvanicus kincaid	1	**10**	4	1	1	4	**3**	1	1	1	M		M	Co	G5	S2													x	5, 19, 22, 25	
6	AMAFF11041	Shaw Island Townsend's vole	Microtus townsendii puget	1	**11**	2	4	1	4	**6**	1	3	2	S1				G5	S1						T								1-3, 11, 19, 22, 23, 26	
6	AMAFF11170	Gray-tailed vole	Microtus canicaudus	1	**10**	3	3	1	3	**4**	1	1	2	C		C		G4	S2	1,2	a	5			T								11, 19	
6	AMAGE07010	Killer whale	Orcinus orca	1	**17**	4	5	3	5	**7**	2	2	3	E		E		G4	S1	1,2	c	4,6		x	T								29, 30, 31, 32	SR 2004, RP 2004 fed
6	AMAGF01010	Pacific harbor porpoise	Phocoena phocoena	1	**13**	3	3	2	5	**5**	3	1	1	C		C		G4	SU	1,2	c	4,6		x	T								29, 30, 31	
6	AMAJA01030	Gray wolf	Canis lupus	1	**13**	3	5	3	2	**6**	2	1	3	E	Historical	E	T	G4	S1	1	a	1,2,3,4,5		T		T		T	T	T	T		4, 5, 7, 9, 10	RP 1991 fed, MR 1991
6	AMAJB01020	Grizzly bear	Ursus arctos	1	**18**	5	5	3	5	**7**	3	1	3	E	Historical	E	T	G4	S1	1	a	1,2,3,4				T		T	T	T			5, 8, 9, 10	RP 1993 fed, MR 1991
6	AMAJC03010	Steller sea lion	Eumetopias jubatus	1	**15**	5	4	2	4	**7**	2	2	3	T		T	T	G3	S2	1,2	c	4,6		x	x								27, 29, 30, 31	SR 1993, RP F
6	AMAJF01010	Marten (Coastal population)	Martes americana	1	**11**	4	0	2	5	**6**	2	1	3	S4				G5	S4	3	c	1,2,3,4,5,6	x	T									1, 4, 5, 6, 9, 24	MR 1991
6	AMAJF01021	Fisher	Martes pennanti pacifica	1	**15**	3	5	2	5	**6**	3	1	2	E	Historical	E	Co	G5	SH	1	a	1,2,3,4,5,6			x	x	T	T	T	T			1, 4, 5, 23	SR 1998, RP 2005, MR 1991
6	AMAJF03010	Wolverine	Gulo gulo	1	**14**	3	4	3	4	**7**	3	1	3	S1		C	Co	G4	S1	1	a	1,2,3,4,5,6				T	T	T	T	T			4, 9, 10, 24	
6	AMAJF04010	American badger	Taxidea taxus	1	**11**	4	0	3	4	**4**	1	1	2	S4				G5	S4				x						T	x	x	x	5, 7, 8, 13-17, 19 (pastures, CRP areas)	
6	AMAJF09010	Sea otter	Enhydra lutris	1	**18**	5	5	3	5	**7**	3	1	3	E		E	Co	G4	S2	1,2	c	6			x	x							30, 31	SR 2000, RP 2004;2000
6	AMAJH03010	Lynx	Lynx canadensis	1	**16**	4	4	3	5	**6**	3	1	2	T		T	T	G5	S1	1	a	1,2,3,4				x		T	T	T			4, 5, 6	SR 1999, RP 2001, MR 1991
6	AMALC01010	Elk (Nooksack herd, mixed)	C.e. nelsoni, roosevelti	1	**11**	4	0	3	4	**7**	2	2	3	S5	Close to extirpation due to variety of threats.			G5	S5				x			x							1, 2, 4, 9, 11, 19, 22-24	MP 2002, Game Plan 2003
6	AMALC02022	Columbian white-tailed deer	Odocoileus virginianus leucurus	1	**13**	3	5	2	3	**7**	3	2	2	E		E	E	G5	S1	1	c	5			T	T							1, 2, 3, 11, 19, 20, 22, 23	RP 1983 fed, MR 1991
6	AMALC04011	Woodland caribou	Rangifer tarandus	1	**17**	5	5	2	5	**6**	3	1	2	E		E	E	G5	S1	1	a	1								T			4, 5, 9, 22, 24, 25	RP 1994 fed, MR 1991, Coop 1996
6	AMALD01010	Pronghorn antelope	Antilocapra americana	1	**13**	3	5	2	3	**7**	1	2	4	X	Planned reintroduction																	x	15, 16, 17, 18, 19	
5	ABNBA01030	Common loon	Gavia immer	1	**14**	4	3	3	4	**7**	3	1	3	S	East Cascades peripheral	S		G5	S2	1,2	b,c	1,2,3,4,5,6		T	x	T	T	T	T	T		x	21, 22, 28, 29, 30, 31	SR 2000, MR 2003
5	ABNCA04010	Western grebe	Aechmophorus occidentalis	1	**14**	4	3	2	5	**5**	2	2	1	C		C		G5	S3	1,2	b	1,2,3		x	T		x		x			x	21, 22, 28, 29, 30, 31	
5	ABNFC01010	American white pelican	Pelecanus erythrorhynchos	1	**17**	4	5	3	5	**4**	2	1	1	E		E		G3	S1	1,2	b,c	1,2,3,5							x		x	T	21, 22. Nests on islands, feeds in open water	MR 2003
5	ABNGA04010	Great blue heron	Ardea herodias	1	**10**	3	1	3	3	**6**	3	1	2	M		M		G5	S4	2	b	1,2,3,4,5,6		T	T	T	T		T	x	x		1, 2, 11, 19, 20-26, 28	MR 2003
5	ABNJB02030	Trumpeter swan	Cygnus buccinator	1	**12**	4	2	3	3	**7**	2	2	3	S3				G4	S3	2,3	3	1,2,3,4,5,6	x	x	T				T			T	19, 21, 22, 28	
5	ABNJB03043	Tule greater white-fronted goose	Anser albifrons gambelli	1	**13**	3	2	3	5	**5**	1	1	3	S3	No surveys during migration, management concern			G5	S3				x	x	x								19, 21, 22, 28	
5	ABNJB05010	Brant goose	Branta bernicla	1	**11**	3	2	3	3	**6**	2	2	2	S3				G5	S3	2,3	c	4,6	x	T	T								28, 29, 30	
5	ABNJB10110	Northern pintail	Anas acuta	1	**11**	3	2	3	3	**7**	2	2	3	S3				G5	S3				x	x	x		x		x	x			15, 19, 21, 22, 28, 30	
5	ABNJB11030	Redhead	Aythya americana	1	**11**	3	2	3	3	**7**	2	2	3	S3	Management concern			G5	S3				x						x	x		x	21, 22, 28, 29, 30	
5	ABNJB11060	Greater scaup	Aythya marila	1	**10**	4	0	3	3	**7**	2	2	3	S5	Management concern			G5	S5				x	x	x							x	21, 28, 30	
5	ABNJB11070	Lesser scaup	Aythya affinis	1	**10**	4	0	3	3	**7**	2	2	3	S4	Management concern			G5	S4				x	x	x		x			x		x	21, 22, 28	
5	ABNJB16010	Long-tailed duck	Clangula hyemalis	1	**11**	3	2	3	3	**7**	2	2	3	S3	Management concern			G5	S3				x	x	x								29, 30	
5	ABNJB17010	Black scoter	Melanitta nigra	1	**10**	3	0	3	4	**5**	1	2	2	S4	Management concern.			G5	S4					x	x								28, 29, 30, 31	
5	ABNJB17020	Surf scoter	Melanitta perspicillata	1	**13**	4	2	3	4	**5**	1	2	2	S3				G5	S3					T	x								28, 29, 30	
5	ABNJB17030	White-winged scoter	Melanitta fusca	1	**10**	4	0	3	3	**5**	1	2	2	S5	Management concern.			G5	S5						x								28, 29, 30	
5	ABNKC10010	Bald eagle	Haliaeetus leucocephalus	1	**13**	3	4	3	3	**7**	2	2	3	T		T	T	G4	S4	1	b,c	1,2,3,4,5,6		T	T	T	T	T	T	T	T	T	1-7, 19-23, 25, 27-30	SR 2001, RP 1990, MR 2003
5	ABNKC12060	Northern goshawk	Accipiter gentilis	1	**10**	3	3	2	2	**6**	2	2	2	C		C	Co	G5	S3	1	b	1,2,3,4,5,6		T	T	T	T	T	T	x	T	T	1, 3, 4, 5, 6, 7, 8, 13, 22-25	MR 2003
5	ABNKC19120	Ferruginous hawk	Buteo regalis	1	**15**	4	4	3	4	**5**	3	1	1	T		T	Co	G4	S2	1	b	1,2,3										T	14, 15, 16, 17, 18, 19	RP 1996, MR 2003
5	ABNKC22010	Golden eagle	Aquila chrysaetos	1	**12**	3	3	3	3	**6**	3	1	2	C		C		G5	S3	1	b	1,2,3,4,5,6		x	x	T	T	T	T	x	x	x	7, 13, 14, 15, 16, 17, 19, 25	MR 2003
5	ABNKD06070	Peregrine falcon	Falco peregrinus	1	**11**	2	3	3	3	**7**	2	2	3	S		S	Co	G4	S2	1	b	1,2,3,4,5,6		T	T	T	T	T	T	x	T	T	1-16, 20-30	SR 2002, MR 2003
5	ABNKD06090	Prairie falcon	Falco mexicanus	1	**10**	3	1	3	3	**5**	2	1	2	M		M		G5	S3	3	b	1,2,3,5							T		x	x	13, 15, 16, 18, 19	MR 2003

CWCS SPECIES OF GREATEST CONSERVATION NEED

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					CRITERIA																											
				179	9.5	Concerns				7.5	Actions										PHS				Ecoregions								
Evo	ELCODE	COMMON NAME	SCIENTIFIC NAME	SGCN	Y-Axis	Threats	Current status	Socio-econ value	Vulnerability	X-Axis	Knowledge	Expenditures	Conservation measures in place	Status for Calculation	RANKING BIOLOGIST COMMENTS	WDFW Species Of Concern	ESA	NHP G-Rank	NHP S-Rank	Criteria	Area	Region	WDFW Game Plan	NW Coast	Puget Trough	N Cascades	W Cascades	E Cascades	Okanogan	Can. Rockies	Blue Mountains	Columbia Plat.	WHROW HABITAT COMMENTS	MANAGEMENT/ RECOVERY/ STATUS REPORTS AND DATES
5	ABNLC12010	Greater sage-grouse	Centrocercus urophasianus	1	**17**	5	4	3	5	**6**	3	1	2	T		T	C	G4	S1	1,3	b,c	1,2,3										T	15, 16, 17, 18, 19	SR 2003;1998, RP 2004, MR 2003
5	ABNLC13030	Sharp-tailed grouse	Tympanuchus phasianellus	1	**17**	5	4	3	5	**5**	2	1	2	T		T	Co	G4	S2	1,3	b,c	1,2							T			T	7, 8, 15, 16, 17, 19, 25	SR 1998, RP 1995, MR 2003
5	ABNLC24010	Mountain quai	Oreortyx pictus	1	**14**	3	4	3	4	**4**	1	1	2	S1				G5	S1	3	a	1,3,4,5,6	x					x			T		1, 2, 3, 4, 5, 7, 12, 14, 23, 25	SR 1993, RP 1993, MR 2003
5	ABNMK01010	Sandhill crane (greater)	Grus canadensis	1	**17**	4	5	3	5	**7**	3	2	2	E	Disjunct?	E			S1	1	b,c	1,2,3,4,5,6						x	T			x	15, 19, 22, 25	RP 2002, MR 2003
5	ABNNB03031	Snowy plover	Charadrius alexandrinus nivosus	1	**16**	5	4	2	5	**6**	2	2	2	T		E	T	G4	S1	1	b	6		T									18, 21, 26, 28	RP 1995;2001fed, MR 2003
5	ABNNC01020	Black oystercatcher	Haematopus bachmani	1	**10**	3	1	3	3	**6**	2	1	3	M		M		G5	S4					T	x								26, 27	MR 2003
5	ABNNF02010	Willet	Catoptrophorus semipalmatus	1	**11**	3	2	2	4	**6**	2	1	3	S3	Extremely limited range.			G5	S3	2	b	1,2,3,4,5,6		x									16, 17, 18, 19, 21, 22, 28	
5	ABNNF06010	Upland sandpiper	Bartramia longicauda	1	**15**	5	5	2	3	**4**	2	1	1	E	Peripheral species.	E		G5	SH	1	a	1										x	15, 22	RP 1995;1998 fed, MR 2003
5	ABNNF08040	Marbled godwit	Limosa fedoa	1	**12**	2	2	3	5	**5**	2	1	2	S3	Extremely limited range. WA subspecies breeds in AK.			G5	S3	2	b	1,2,3,4,5,6		x	x							x	18, 21, 26, 28	
5	ABNNF11020	Red knot	Calidris canutus	1	**13**	4	2	3	4	**4**	1	1	2	S3				G5	S3					x	x								19, 26, 28	
5	ABNNF11160	Rock sandpiper	Calidris ptilocnemis	1	**12**	3	2	3	4	**4**	1	1	2	S3				G5	S3					T	x								26, 27	
5	ABNNM08080	Arctic tern	Sterna paradisaea	1	**11**	4	1	2	4	**7**	3	1	3	M		M		G5	S2					x	x								26, 27, 30, 31, 32	
5	ABNNN02010	Common murre	Uria aalge	1	**10**	3	3	1	3	**7**	2	2	3	C		C		G5	S4	1,2	b,c	4,6		T	x								27, 28, 29, 30, 31	MR 2003
5	ABNNN06010	Marbled murrelet	Brachyramphus marmoratus	1	**16**	5	4	2	5	**6**	3	1	2	T	East Cascades peripheral	T	T	G3	S3	1,2	a,b,c	4,5,6		T	T	T	T						1, 3, 28, 29, 30, 31	SR 1993, RP 1997;1997 fed, MR
5	ABNNN07030	Ancient murrelet	Synthliboramphus antiquus	1	**10**	3	2	2	3	**6**	1	2	3	S3	Breeder?			G4	S3					T	x								29, 30, 31	
5	ABNNN08010	Cassin's auklet	Ptychoramphus aleuticus	1	**12**	3	3	2	4	**6**	1	2	3	C		C	Co	G4	S3	1,2	b	6		T	x								27, 30, 31, 32	
5	ABNNN12010	Tufted puffin	Fratercula cirrhata	1	**13**	3	3	3	4	**7**	2	2	3	C		C	Co	G5	S3	1,2,3	b,c	4,6		T	x								27, 29, 30, 31, 32	
5	ABNRB02020	Yellow-billed cuckoo	Coccyzus americanus	1	**15**	5	3	2	5	**3**	1	1	1	C	Extirpated?	C	C	G5	SH	1	a	1,2,4			T		T						23, 25	MR 1991
5	ABNSB01020	Flammulated owl	Otus flammeolus	1	**13**	4	3	2	4	**4**	1	1	2	C		C		G4	S3	1	b,c	1,2,3						T	T	T	T	x	3, 5, 6, 7, 25	MR 2003
5	ABNSB10010	Burrowing owl	Athene cunicularia	1	**14**	4	3	3	4	**4**	2	1	1	C		C	Co	G4	S2	1	b,c	1,2,3,5							T		x	T	11, 15, 16, 17, 18, 19, 22	SR 2004d, MR 2003
5	ABNSB12011	Northern spotted owl	Strix occidentalis caurina	1	**18**	5	5	3	5	**6**	3	2	1	E		E	T	G3	S1	1	a	2,3,4,5,6		T	T	T	T	T					1, 3, 4, 5, 7	RP 1992 fed, MR 1991, SR 2004
5	ABNSB12040	Great gray owl	Strix nebulosa	1	**10**	3	1	2	4	**5**	2	1	2	M		M		G5	S2										T		x		3, 5, 6, 7, 22, 24	
5	ABNUA03020	Vaux's swift	Chaetura vauxi	1	**11**	3	3	2	3	**5**	2	1	2	C		C		G5	S3	1	b	1,2,3,4,5,6		T	T	T	T	T	T	x	T	x	1, 4, 5, 20, 21, 23, 24	MR 2003
5	ABNYF04010	Lewis' woodpecker	Melanerpes lewis	1	**11**	3	3	2	3	**5**	2	1	2	C		C		G4	S3	1	b	1,2,3,5						T	T	T	T	T	2, 3, 5, 7, 11, 19, 25	MR 2003
5	ABNYF04050	Acorn woodpecker	Melanerpes formicivorus	1	**13**	3	4	2	4	**5**	2	1	2	S1	Peripheral species.	M		G5	S1									x					2, 7, 11, 20	
5	ABNYF07070	White-headed woodpecker	Picoides albolarvatus	1	**13**	4	3	2	4	**3**	1	1	1	C		C		G4	S2	1	b,c	1,2,3,5						T	T		T	x	5, 7	MR 2003
5	ABNYF07090	Black-backed woodpecker	Picoides arcticus	1	**12**	3	3	2	4	**4**	2	1	1	C		C		G5	S3	1	b,c	1,2,3,5						T	T	x	T		3, 4, 5, 6, 7, 9, 24	MR 2003
5	ABNYF12020	Pileated woodpecker	Dryocopus pileatus	1	**12**	3	3	2	4	**6**	2	2	2	C		C		G5	S4	1	b	1,2,3,4,5,6		x	x	x	T	T	x	x	x	x	1, 3, 4, 5, 7, 20, 23, 24, 25	MR 2003
5	ABPAT0201L	Streaked horned lark	Eremophila alpestris strigata	1	**16**	5	4	2	5	**4**	1	1	2	S1		C	C	G5	S1	1	a	4,5,6		T	T								9, 10, 11, 15, 16, 17, 18, 19, 20, 26	SR 2005
5	ABPAU01010	Purple martin	Progne subis	1	**13**	4	3	2	4	**5**	2	1	2	C		C		G5	S3	1	b	4,5,6		T	T								1, 2, 3, 26, 27, 28	MR 2003
5	ABPAZ01021	Slender-billed white-breasted nuthatch	Sitta carolinensis aculeata	1	**16**	5	4	2	5	**3**	1	1	1	S1		C	Co	G5	S1	1	a	5,6			T		x						2, 3, 7, 11, 20, 23, 25	
5	ABPAZ01030	Pygmy nuthatch	Sitta pygmaea	1	**10**	4	2	1	3	**4**	1	1	2	S3				G5	S3									x	T	x	T		7, 25	
5	ABPBJ15020	Western bluebird (W WA)	Sialia mexicana	1	**11**	3	1	3	4	**6**	2	1	3	M		M		G5	S3					T	T		x						1-7, 11, 13, 15, 19, 20, 25	MR 1991
5	ABPBK04010	Sage thrasher	Oreoscoptes montanus	1	**13**	4	3	2	4	**4**	1	1	2	C		C		G5	S3	1	b,c	1,2,3,5							T			x	16, 17, 18	MR 2003
5	ABPBR01030	Loggerhead shrike	Lanius ludovicianus	1	**11**	3	3	2	3	**5**	2	1	2	C		C	Co	G4	S3	1	b,c	1,2,3,5							x			T	11, 13, 15, 16, 17, 18, 19	MR 2003
5	ABPBX95011	Oregon vesper sparrow	Pooecetes gramineus affinis	1	**15**	4	4	2	5	**4**	2	1	1	S1	Grasslands, prairie	C	Co	G5	S1	1	a	4,5,6			T								3, 9, 11, 13, 15, 16, 17, 19	
5	ABPBX97020	Sage sparrow	Amphispiza belli	1	**12**	4	3	1	4	**4**	2	1	1	C		C		G5	S3	1	b,c	1,2,3							x			T	13, 16, 17	MR 2003
4	ARAAD02031	Western pond turtle	Actinemys (Clemmys) marmorata	1	**17**	5	5	2	5	**6**	2	1	3	E	West Cascades, East Cascades (disjunct?)	E	Co	G3	S1	1	a	4,5,6			T		T	x					2, 3, 7, 11, 12, 21, 22, 23	SR 1993, RP 1999, MR 1997
4	ARACF12030	Pygmy horned lizard	Phrynosoma douglasi	1	**11**	4	2	1	4	**5**	1	2	2	S3				G5	S3										x		x	T	6, 7, 13, 15, 16, 17, 20	
4	ARACF14030	Sagebrush lizard	Sceloporus graciosus	1	**11**	4	3	1	3	**5**	2	1	2	C		C	Co	G5	S2	1	a	1,2,3							T		x	x	3, 6, 7, 12-18, 20	
4	ARADB07010	Racer (W WA)	Coluber constrictor	1	**10**	5	0	1	4	**3**	1	1	1	S5				G5	S5						T		x						2, 5, 6, 7, 11, 13-20, 25	
4	ARADB09010	Sharptail snake	Contia tenuis	1	**12**	5	3	1	3	**3**	1	1	1	C	Disjunct?	C		G5	S2	1	a	2,3,5,6			T			x				x	1, 2, 3, 7, 11, 19, 20, 23, 25	
4	ARADB19060	California mountain kingsnake	Lampropeltis zonata	1	**12**	4	4	1	3	**4**	1	1	2	S1	Disjunct?	C		G4	S1	1	a	5					T	x					7, 11, 12	MR 1997
4	ARADB21040	Striped whipsnake	Masticophis taeniatus	1	**14**	4	4	1	5	**3**	1	1	1	S1	Peripheral, historical?	C		G5	S1	1	a	1,2,3										T	3, 7, 12, 13, 16, 17, 18	MR 1997
4	ARADB26021	Pacific gopher snake (W WA)	Pituophis catenifer catenifer	1	**11**	5	1	1	4	**3**	1	1	1	M		M		G5	S5						T								2, 5, 6, 7, 11, 14-20, 25	
3	AAAAA01140	Tiger salamander	Ambystoma tigrinum	1	**13**	5	1	2	5	**6**	3	1	2	M		M		G5	S3										T			x	7, 15, 16, 17, 19-22, 25	
3	AAAAD12040	Dunn's salamander	Plethodon dunn	1	**10**	3	3	1	3	**6**	2	2	2	C		C		G4	S2	1	a	5,6		T									1, 4, 23	MR 1997
3	AAAAD12100	Larch Mountain salamander	Plethodon larsell	1	**10**	3	3	1	3	**5**	1	2	2	S		S	Co	G3	S3	1	a	3,4,5			T	x	T	T					1, 4	SR 1993, MR 1997
3	AAAAD12190	Van Dyke's salamander	Plethodon vandyke	1	**16**	5	3	3	5	**6**	1	2	3	C		C	Co	G3	S3	1	a	5,6		T	T		T						1, 4, 23	MR 1997
3	AAAAJ01030	Cascade torrent salamander	Rhyacotriton cascadae	1	**10**	3	3	1	3	**5**	1	2	2	C		C		G3	S3	1	a	5,6			T		T						1, 4, 23	MR 1997
3	AAAAJ01040	Columbia torrent salamander	Rhyacotriton kezeri	1	**10**	3	3	1	3	**5**	1	2	2	C		C	Co	G3	S3	1	a	5,6		T	T								1, 4, 23	MR 1997
3	AAABA01020	Rocky Mountain tailed frog	Ascaphus montanus	1	**12**	4	3	2	3	**4**	1	1	2	C		C		G4	SU	1	a	1									T		1, 4, 5, 23, 25	
3	AAABB01030	Western toad	Bufo boreas	1	**13**	4	3	2	4	**6**	3	1	2	C		C	Co	G4	S3	1	a	1,2,3,4,5,6		T	T	x	T	T	T	T	T	T	1-18, 21, 22, 23, 24, 25	
3	AAABH01170	Northern leopard frog	Rana pipiens	1	**18**	5	5	3	5	**5**	2	1	2	E		E	Co	G5	S1	1	a	1,2,3,5							T	x		T	7, 15, 16, 17, 21, 22, 25	SR 1999, MR 1997
3	AAABH01180	Oregon spotted frog	Rana pretiosa	1	**18**	5	5	3	5	**6**	2	1	3	E		E	C	G2	S1	1	a	5,6			T	x		x					2, 5, 7, 11, 21, 22, 23	SR 1997, RP 1998, MR 1997

CWCS SPECIES OF GREATEST CONSERVATION NEED

09/12/2005

					CRITERIA																												
				179	9.5	Concerns				7.5	Actions									PHS				Ecoregions									
Evo	ELCODE	COMMON NAME	SCIENTIFIC NAME	SGCN	Y-Axis	Threats	Current status	Socio-econ value	Vulnerability	X-Axis	Knowledge	Expenditures	Conservation measures in place	Status for Calculation	RANKING BIOLOGIST COMMENTS	WDFW Species Of Concern	ESA	NHP G-Rank	NHP S-Rank	Criteria	Area	Region	WDFW Game Plan	NW Coast	Puget Trough	N Cascades	W Cascades	E Cascades	Okanogan	Can. Rockies	Blue Mountains	Columbia Plat.	WHROW HABITAT COMMENTS	MANAGEMENT/ RECOVERY/ STATUS REPORTS AND DATES
3	AAABH01290	Columbia spotted frog	Rana luteiventris	1	**14**	4	3	2	5	**5**	2	1	2	C		C	Co	G4	S4	1	a	1,2,3,4				x		T	T	x	x	T	4-9, 13, 14, 15, 16, 21, 22, 24, 25	MR 1997
2	AFBAA02030	River lamprey	Lampetra ayresi	1	**13**	4	3	2	4	**5**	3	1	1	C	Possibly declining.	C	Co	G4	S2	1	a	4,5,6		T	x	x	T	T			T	x	21, 29, 31	
2	AFBAA02100	Pacific lamprey	Lampetra tridentata	1	**13**	4	2	3	4	**7**	2	2	3	S3			Co	G5	S3					T	T	x	T	T			x	T	21, 29, 31, 32?	
2	AFC4A06100	Copper rockfish	Sebastes caurinus	1	**14**	4	3	3	4	**6**	2	2	2	C	Live to at least 50 years	C	Co			1,2,3	c	4,6		x	T									SR 1997, MR 1998 (PS);2003 (coastal)
2	AFC4A06180	Greenstriped rockfish	Sebastes elongatus	1	**10**	3	3	1	3	**6**	1	1	4	C	Live to be 54 years old.	C				1,2,3	c	4,6		x	x									SR 1997, MR 1998 (PS);2003 (coastal)
2	AFC4A06330	Quillback rockfish	Sebastes maliger	1	**14**	4	3	3	4	**7**	2	1	4	C	Old geezers (95 y)	C	Co			1,2,3	c	4,6		x	T									SR 1997, MR 1998(PS);2003 (coastal)
2	AFC4A06350	Black rockfish (Puget Sound)	Sebastes melanops	1	**12**	3	3	3	3	**7**	2	2	3	C		C				1,2,3	c	4,6			T									SR 1997, MR 1998 (PS);2003, SR 1999
2	AFC4A06410	China rockfish	Sebastes nebulosus	1	**12**	3	3	3	3	**4**	1	1	2	C	Live to be 79 years old	C				1,2,3	a	4,6		x	x									SR 1997, MR 1998 (PS);2003 (coastal)
2	AFC4A06420	Tiger rockfish	Sebastes nigrocinctus	1	**12**	2	3	3	4	**6**	1	1	4	C	Live to be 115 years old.	C				1,2,3	a	4,6		x	T									SR 1997 (PS), MR 2003 (coastal)
2	AFC4A06440	Bocaccio rockfish	Sebastes paucispinis	1	**13**	4	3	3	3	**5**	1	1	3	C	Live to be 50 years	C				1,2,3	c	4,6		x	x									SR 1997, MR 1998 (PS);2003 (coastal)
2	AFC4A06460	Canary rockfish	Sebastes pinniger	1	**14**	4	3	3	4	**6**	2	1	3	C	Live to be 84 years old	C				1,2,3	c	4,6		x	x									SR 1997, MR 1998 (PS);2003, SR 2001
2	AFC4A06480	Redstripe rockfish	Sebastes proriger	1	**10**	3	3	1	3	**6**	1	1	4	C	Live to be 55 years old	C				1,2,3	c	4,6		x	x									SR 1997, MR 1998 (PS);2003 (coastal)
2	AFC4A06530	Yelloweye rockfish	Sebastes ruberrimus	1	**16**	5	3	3	5	**6**	2	1	3	C	Live to be 118 years old, fer chrissakes!!!	C				1,2,3	a	4,6		x	T									MR 1997, MR 1998 (PS);2003, SR 2002
2	AFC4E02170	Margined sculpin	Cottus marginatus	1	**11**	3	3	2	3	**5**	1	1	3	S		S	Co	G3	S1	1	a	1									T	T	21	SR 1998
2	AFCAA01030	Green sturgeon	Acipenser medirostris	1	**14**	4	3	3	4	**7**	2	1	4	S2				G3	S2	2,3	a	4,5,6		T	x		x						21	MP 1998, SR 2004 (PS, coastal)
2	AFCFA07030	Pacific herring (Cherry Pt, Discovery Bay)	Clupea pallasi	1	**13**	4	3	3	3	**7**	2	1	4	C		C	C	GU	SU	1,2,3	b,c	4,6			T									
2	AFCHA02088	Westslope cutthroat	Oncorhynchus clarki lewis	1	**10**	3	0	3	4	**7**	2	1	4	G4			Co	G4		3	a	4,6						x	T	T	T	T	21, 28, 29, 30, 31, 32	
2	AFCHA02092	Inland redband trout	Oncorhynchus mykiss gairdner	1	**10**	3	0	3	4	**5**	1	1	3	G5				G5											x	T	x	T	21	
2	AFCHA03020	Pygmy whitefish	Prosopium coulteri	1	**13**	3	3	3	4	**4**	1	1	2	S	Found in only 9 lakes in WA.	S		G5	S1	1,2	a	1,2,3,4,5,6		T			x	x	T	x			21	SR 1998, MR 1991
2	AFCHA05023	Bull trout (Columbia Basin)	Salvelinus confluentus	1	**13**	3	4	2	4	**7**	2	2	3	T		C	T	G3	SU	1,2,3	a,c	1,2,3,4,5,6						T	T	x	T	T	21, 28, 29, 30, 31, 32	RP 2002 fed, MP 2000
2	AFCHA05024	Bull trout (Coastal/Puget Sound)	Salvelinus confluentus	1	**11**	2	4	3	2	**7**	2	2	3	T		C	T	G3	SU	1,2,3	a,c	1,2,3,4,5,6		T	T	x	T						21, 28, 29, 30, 31, 32	RP 2004 fed, MP 2000
2	AFCHB04010	Eulachon	Thaleichthys pacificus	1	**11**	3	3	3	2	**5**	2	1	2	C		C	C	G5	S4	1,2,3	c	4,5,6		x	x		x							MP 1998
2	AFCHD03010	Olympic mudminnow	Novumbra hubbsi	1	**12**	3	3	2	4	**5**	1	1	3	S		S		G3	S2	1	a	4,5,6		T	T								21, 23	SR 1999, MR 1991
2	AFCJB13030	Surfsmelt	Hypomesus pretiosus	1	**11**	4	0	3	4	**7**	2	1	4	G5				G5	SU	2,3	b,c	4,6		x	T									MP 1998
2	AFCJB37040	Leopard dace	Rhinichthys falcatus	1	**11**	3	3	2	3	**4**	1	2	1	C		C		G4	S2	1	a	1,2,3,5					x	T	T		x	x	21	
2	AFCJC02160	Mountain sucker	Catostomus platyrhynchus	1	**11**	3	3	2	3	**4**	1	1	2	C		C		G5	S2	1	a	1,2,3,5					T	T			x	T	21	MR 1991
2	AFCJC02260	Salish sucker	Catostomus sp. 4	1	**13**	4	4	2	3	**3**	1	1	1	S1		M		G1	S1						T	x	x						21	
2	AFCS601030	Pacific sand lance	Ammodytes hexapterus	1	**10**	4	0	3	3	**6**	2	1	3							2,3	b,c	4,6		x	T									MR 1998
1	IICOL02090	Columbia River tiger beetle	Cicindela columbica	1	**15**	5	4	1	5	**3**	1	1	1	S1	May be extirpated in WA.	C		G2	SH	1	a	1,2,3,5									x	x	25. Sandbars and sand dunes in riparian zones of large lowland rivers	
1	IICOL0210B	Siuslaw sand tiger beetle	Cicindela hirticollis siuslawensis	1	**11**	4	2	1	4	**3**	1	1	1	S3	Endemic to PNW coast.			G5	S3					T									26, 28	
1	IICOL4H010	Beller's ground beetle	Agonum belleri	1	**11**	4	3	1	3	**3**	1	1	1	C	Endemic to PNW. Inhabits sphagnum bogs.	C	Co	G3	S3	1	a	4			T	x							23. Margins of bogs with open water and mats of sphagnum	MR 1995
1	IICOL4J010	Long-horned leaf beetle	Donacia idola	1	**10**	3	3	1	3	**3**	1	1	1	C	Endemic to PNW. Known only from sphagnum bogs.	C		GU	SU	1	a	4			x	x							23. Sphagnum bogs.	MR 1995
1	IICOL4K010	Hatch's click beetle	Eanus hatchii	1	**11**	3	4	1	3	**3**	1	1	1	S1	Endemic to PNW. Known only from sphagnum bogs.	C	Co	G2	S1	1	a	4			T									MR 1995
1	IICOL4L110	Mann's mollusk-eating ground beetle	Scaphinotus mannii	1	**13**	4	3	1	5	**3**	1	1	1	C	A very vulnerable and possibly endangered species.	C				1	a	1									x	x	25. Confined to riparian strips of lowland tributaries of the Snake R.	
1	IILEP37050	Propertius' duskywing butterfly	Erynnis propertius	1	**11**	4	1	2	4	**5**	2	1	2	M	Western Washington only.	M		G5	S3						x	T	x	x					2, 11	
1	IILEP65209	Oregon branded skipper butterfly	Hesperia colorado oregonia	1	**10**	4	1	2	3	**4**	1	1	2	M		M		G5	S2						T								11 and 2/11 (ecotone)	
1	IILEP66030	Mardon skipper butterfly	Polites mardon	1	**15**	4	5	2	4	**5**	2	1	2	E		E	C	G2	S1	1	a	3,5,6			T		T	T					11, 2/11, 6, 7, 9, 15, 19, 22, 4/15, 5/15,	SR 1999, MR 1995
1	IILEP66092	Dog star skipper butterfly	Polites sonora siris	1	**10**	3	3	1	3	**3**	1	1	1	S2				G4	S2					x	T								11, 19, 22, 1/11, 2/11	
1	IILEP72040	Yuma skipper butterfly	Ochlodes yuma	1	**12**	3	4	1	4	**4**	1	1	2	S1		C		G5	S1	1	a	2										x	16, 21, 22	MR 1995
1	IILEP90021	Shepard's parnassian butterfly	Parnassius clodius shepard	1	**14**	4	4	2	4	**4**	2	1	1	S1		C		G5	S1	1	a	1									x	x	14, 25	MR 1995
1	IILEPA5011	Island marble butterfly	Euchloe ausonides insulanus	1	**15**	4	4	2	5	**5**	2	1	2	S1		C	Co	G5	S1	1	a	4			T								11, 19, 26, 27, 28	
1	IILEPC1152	Makah (Queen Charlotte) copper	Lycaena mariposa charlottensis	1	**12**	3	3	2	4	**4**	1	1	2	C		C	Co	G5	S2	1	a	6		T									22, 23	MR 1995
1	IILEPC8012	Chinquapin hairstreak butterfly	Habrodais grunus herri	1	**11**	3	4	1	3	**3**	1	1	1	S1		C		G4	S1	1	a	5					x	x					1, 2, 23	MR 1995
1	IILEPE2100	Johnson's hairstreak butterfly	Mitoura johnsoni	1	**12**	3	3	2	4	**3**	1	1	1	C		C		G2	S2	1	a	4,5,6		T	T	T	x						1, 2, 4	MR 1995
1	IILEPE2137	Juniper hairstreak butterfly	Mitoura grynea barry	1	**10**	3	3	1	3	**3**	1	1	1	C		C		G4	S2	1	a	1,2,5						x			T	x	7, 13	MR 1995
1	IILEPE2213	Hoary elfin butterfly (W WA)	Incisalia polia obscura	1	**10**	3	2	1	4	**4**	1	1	2	S3		M		G5	S3						x								2, 6, 7, 9, 11, 22, heath scrub	
1	IILEPG801G	Puget (Blackmore's) blue butterfly	Icaricia icarioides blackmorei	1	**11**	3	3	2	3	**5**	2	1	2	S2		C		G5	S2					T	T								9, 11, 1/11, 2/11, 4/11, 22/11 (ecotones)	MR 1995
1	IILEPJ6028	Puget Sound fritillary butterfly	Speyeria cybele pugetensis	1	**10**	3	2	2	3	**4**	2	1	1	S3	Heath scrub			G4	S3					x	T		x						2, 6, 9, 11, 19, 22, 23, 1/11, 4/11, heath	

CWCS SPECIES OF GREATEST CONSERVATION NEED

09/12/2005

Evo	ELCODE	COMMON NAME	SCIENTIFIC NAME	SGCN (179)	CRITERIA: Y-Axis (9.5)	Concerns: Threats	Concerns: Current status	Concerns: Socio-econ value	Concerns: Vulnerability	X-Axis (7.5)	Actions: Knowledge	Actions: Expenditures	Actions: Conservation measures in place	Status for Calculation	RANKING BIOLOGIST COMMENTS	WDFW Species Of Concern	ESA	NHP G-Rank	NHP S-Rank	PHS: Criteria	PHS: Area	PHS: Region	WDFW Game Plan	Ecoregions: NW Coast	Puget Trough	N Cascades	W Cascades	E Cascades	Okanogan	Can. Rockies	Blue Mountains	Columbia Plat.	WHROW HABITAT COMMENTS	MANAGEMENT/ RECOVERY/ STATUS REPORTS AND DATES
1	IILEPJ6087	Oregon silverspot butterfly	Speyeria zerene hippolyta	1	**17**	5	5	2	5	**6**	2	2	2	E		E	T	G5	SX	1	a	6		T									19, 22, 26, 27, 26/6, 26/1, 26/2	SR 1993, RP1982;2001 fed, MR 1995
1	IILEPJ608A	Valley silverspot butterfly	Speyeria zerene bremneri	1	**13**	4	3	2	4	**4**	2	1	1	C		C	Co	G5	S2	1	a	4,5,6		T	T		x						2, 9, 11, 19, 22, 23, 1/11, 4/11	MR 1995
1	IILEPJ7030	Silver-bordered fritillary butterfly	Boloria selene atrocostalis	1	**13**	4	3	2	4	**3**	1	1	1	C		C		G5	S3	1	a	1,2,3							T	x		T	19, 22, 24, 25	MR 1995
1	IILEPK405K	Taylor's checkerspot butterfly	Euphydryas editha taylor	1	**14**	4	4	2	4	**5**	2	1	2	S1		C	C	G5	S1	1	a	4,5,6			T		x						2, 11, 19, 23, 27, 28 and 2/11 (ecotone)	SR 2005, MR 1995
1	IILEPP1021	Great arctic butterfly	Oeneis nevadensis gigas	1	**12**	3	3	2	4	**3**	1	1	1	C		C		G5	SH	1	a	4			x								2, 11	
1	IILEYKP140	Sand-verbena moth	Copablepharon fuscum	1	**13**	4	4	1	4	**4**	2	1	1	S1					S1					T	x								26	
1	IIODO06020	White-belted ringtail dragonfly	Erpetogomphus compositus	1	**13**	4	4	2	3	**3**	1	1	1	S1				G5	S1													x	21	
1	IIODO08150	Columbia (Lynn's) clubtail dragonfly	Gomphus lynnae	1	**12**	3	4	2	3	**3**	1	1	1	S1			Co	G2	S1													x	21	
1	IIODO08330	Pacific clubtail dragonfly	Gomphus kurilis	1	**12**	3	4	2	3	**3**	1	1	1	S1				G4	S1						T		x						21	
1	IIODO14170	Subarctic darner dragonfly	Aeshna subarctica	1	**12**	3	3	2	4	**6**	1	1	4	S2				G5	S2										T				21, 22	
1	IIODO44010	Boreal whiteface dragonfly	Leucorrhinia borealis	1	**12**	3	4	2	3	**3**	1	1	1	S1	Peripheral species (CS).			G5	S1										T				21, 22, 24	
1	IIODO70020	Subarctic bluet dragonfly	Coenagrion interrogatum	1	**11**	3	3	2	3	**3**	1	1	1	S2				G5	S2										T				9, 10, 21, 22, 24	
1	IMBIV04020	California floater (bivalve)	Anodonta californiensis	1	**14**	4	4	2	4	**4**	1	1	2	S1		C	Co	G3	S1	1,2	a	1,2,3,5							T			T	21	MR 1995
1	IMBIV04090	Western floater (bivalve)	Anodonta kennerly	1	**10**	4	0	2	4	**4**	1	1	2	S4				G4	S4					T	x							x	21	
1	IMBIV04100	Winged floater (bivalve)	Anodonta nuttalliana	1	**11**	4	0	2	5	**4**	1	1	2	G3				G3	SU					x			x		x		x	x	21	
1	IMBIV04110	Oregon floater (bivalve)	Anodonta oregonensis	1	**10**	3	2	2	3	**4**	1	1	2	S3				G5	S3					T			x		T		x	x	21	
1	IMBIV19010	Western ridged mussel	Gonidea angulata	1	**14**	4	3	3	4	**4**	1	1	2	S2				G3	S2					T	T		x		T		x	x	21	
1	IMBIV27020	Western pearlshell (bivalve)	Margaritifera falcata	1	**10**	4	0	2	4	**4**	1	1	2	S4				G4	S4					T	x		x				x	x	21	
1	IMGAS62030	Bluegray taildropper (slug)	Prophysaon coeruleum	1	**10**	4	0	2	4	**3**	1	1	1	S4				G4	S4						x		x						1	
1	IMGAS80100	Crowned tightcoil (snail)	Pristiloma pilsbryi	1	**14**	4	4	1	5	**3**	1	1	1	S1				G1	S1					T									1	
1	IMGAS93030	Columbia oregonian	Cryptomastix henderson	1	**10**	4	0	1	5	**3**	1	1	1	G2	Found in talus, springs and seeps in the Columbia Gorge; extirpated from Skamania Co.			G2														x	14, 25	
1	IMGASB2020	Oregon megomphix (snail)	Megomphix hemphilli	1	**10**	4	0	2	4	**3**	1	1	1	G2				G2						T	T		x						1	
6	AMABA01170	Pacific water shrew	Sorex bendirii	0	**6**	2	1	1	2	**9**	1	3	5	M		M		G4	S4						T	T							1, 2, 4, 5, 22, 23, 24, 25	
6	AMABA01221	Destruction Island shrew	Sorex trowbridgii destruction	0	**10**	2	4	1	3	**9**	1	3	5	S1			Co	G5	S1					T		T							1, 19, 27	
6	AMABA01250	Pygmy shrew	Sorex hoyi	0	**6**	2	1	1	2	**9**	2	3	4	M		M		G5	S2														5	MR 1991
6	AMABB02010	Townsend's mole	Scapanus townsendi	0	**3**	1	0	1	1	**9**	1	3	5	S5				G5	S5						T	T							1, 9, 11, 19, 20, 22, 23, 27	
6	AMABB02011	Olympic snow mole	Scapanus townsendii olympicus	0	**3**	1	0	1	1	**9**	1	3	5	G5				G5						T									4, 9, 10, 24	
6	AMACC01020	Yuma myotis	Myotis yumanensis	0	**4**	1	0	1	2	**6**	2	2	2	S5			Co	G5	S5					T									1, 2, 4,-7, 9, 11, 13-16, 19-25, 28	
6	AMACC01070	Long-eared myotis	Myotis evotis	0	**6**	2	1	1	2	**6**	2	2	2	M		M	Co	G5	S4					T									1-7, 9, 13-18, 21-25	
6	AMACC01090	Fringed myotis	Myotis thysanodes	0	**8**	3	1	1	3	**6**	2	2	2	M		M	Co	G4	S3					T				T					1, 2, 3, 21	
6	AMACC01110	Long-legged myotis	Myotis volans	0	**6**	2	1	1	2	**5**	2	1	2	M		M	Co	G5	S3					T		T	T	T	T				1-9, 11, 14, 21, 22, 23, 25, 28	
6	AMACC01120	California myotis	Myotis californicus	0	**5**	2	0	1	2	**6**	2	2	2	S5				G5	S5														1, 2, 5, 6, 7, 8, 11, 14-17, 21-25, 28	
6	AMACC01140	Small-footed myotis	Myotis ciliolabrum	0	**6**	2	1	1	2	**6**	2	2	2	M	Peripheral	M	Co	G5	S4														13, 14, 15, 16, 17, 21, 25	
6	AMACC03010	Western pipistrelle	Pipistrellus hesperus	0	**6**	2	1	1	2	**5**	1	2	2	M		M		G5	S3														14, 15, 16, 17, 18, 21, 25	
6	AMACC04010	Big brown bat	Eptesicus fuscus	0	**3**	1	0	1	1	**11**	3	3	5	S5				G5	S5	2	b,c	1,2,3,4,5,6											1, 2, 4, 5, 6, 7, 11, 13, 14, 19-25, 27, 28	
6	AMACC05030	Hoary bat	Lasiurus cinereus	0	**4**	1	1	1	1	**6**	2	2	2	M		M		G5	S5														1, 2, 4, 5, 6, 7, 20, 21	
6	AMACC07010	Spotted bat	Euderma maculatum	0	**9**	3	1	2	3	**7**	2	2	3	M	Peripheral	M		G4	S3								T		T			T	7, 14, 15, 16, 18, 19, 21, 22, 25	
6	AMACC10010	Pallid bat	Antrozous pallidus	0	**6**	2	1	1	2	**5**	2	2	1	M		M		G5	S3	2	b,c	1,2,3,4,5,6							T			T	3, 7, 13-19, 21, 22, 25	
6	AMAEA01020	Pika	Ochotona princips	0	**9**	3	0	2	4	**4**	1	1	2	S5				G5	S5														9,10	
6	AMAEB03010	Snowshoe hare	Lepus americanus	0	**6**	2	0	2	2	**10**	3	3	4	S5				G5	S5				x										1, 2, 4, 5, 6, 8, 9, 23, 24, 25	
6	AMAFB02020	Least chipmunk	Tamias minimus	0	**6**	3	0	1	2	**6**	1	2	3	S4	Shrub-steppe obligate.			G5	S4														8, 16, 17, 18	
6	AMAFB02031	Olympic yellow-pine chipmunk	Tamias amoenus caurinus	0	**7**	2	0	2	3	**8**	1	2	5	G5				G5						T									4, 9, 10	
6	AMAFB02130	Red-tailed chipmunk	Tamias ruficaudus	0	**6**	1	1	2	2	**7**	1	3	3	M		M		G5	S2														5	
6	AMAFB03020	Yellow-bellied marmot	Marmota flaviventris	0	**6**	2	0	2	2	**9**	3	2	4	S4				G5	S4				x										7, 9, 10, 13, 14-20, 25	
6	AMAFB09020	Northern flying squirrel	Glaucomys sabrinus	0	**5**	2	0	1	2	**10**	3	3	4	S4				G5	S4														1, 2, 4, 5, 6, 7, 23, 24, 25	
6	AMAFC01042	White Salmon pocket gopher	Thomomys talpoides limoses	0	**6**	2	1	1	2	**6**	1	2	3	M		M		G5	S3														5, 7, 15, 16, 19	
6	AMAFD01070	Great Basin pocket mouse	Perognathus parvus	0	**3**	1	0	1	1	**10**	2	3	5	S5				G5	S5										T				13, 15, 16, 17, 18	
6	AMAFD03010	Ord's kangaroo rat	Dipodomys ordii	0	**7**	2	1	1	3	**8**	2	3	3	M		M		G5	S4														16, 17	
6	AMAFE01010	American beaver	Castor canadensis	0	**5**	2	0	2	1	**10**	3	3	4	S5				G5	S5				x										1, 2, 4, 5, 6, 7, 21, 22, 23, 24, 25	
6	AMAFF02030	Western harvest mouse	Reithrodontomys megalotis	0	**3**	1	0	1	1	**11**	3	3	5	S4				G5	S4										T				15, 16, 19, 22, 25	
6	AMAFF06010	Northern grasshopper mouse	Onychomys leucogaster	0	**4**	1	1	1	1	**10**	2	3	5	M		M		G5	S4													T	16, 17, 18	
6	AMAFF13010	Sagebrush vole	Lemmiscus curtatus	0	**8**	3	1	1	3	**4**	1	1	2	M		M		G5	S3													T	15, 16, 17	
6	AMAFF15010	Muskrat	Ondatra zibethicus	0	**4**	1	0	2	1	**11**	3	3	5	S5				G5	S5				x										19, 21, 22, 23, 25	
6	AMAFF17020	Northern bog lemming	Synaptomys borealis	0	**8**	3	1	1	3	**6**	1	2	3	M		M		G4	S3							T							5, 6, 9, 22, 24	
6	AMAFJ01010	Porcupine	Erethizon dorsatum	0	**3**	1	0	1	1	**11**	3	3	5	S5				G5	S5				x										1, 2, 4, 5, 6, 7, 8, 9, 13, 14, 23, 24, 25	

CWCS SPECIES OF GREATEST CONSERVATION NEED

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					CRITERIA																											
				179	9.5	Concerns				7.5	Actions								PHS				Ecoregions									
Evo	ELCODE	COMMON NAME	SCIENTIFIC NAME	SGCN	Y-Axis	Threats	Current status	Socio-econ value	Vulnerability	X-Axis	Knowledge	Expenditures	Conservation measures in place	Status for Calculation	RANKING BIOLOGIST COMMENTS	WDFW Species Of Concern	ESA	NHP G-Rank	NHP S-Rank	Criteria	Area	Region	WDFW Game Plan	NW Coast	Puget Trough	N Cascades	W Cascades	E Cascades	Okanogan	Can. Rockies	Blue Mountains	Columbia Plat.	WHROW HABITAT COMMENTS	MANAGEMENT/ RECOVERY/ STATUS REPORTS AND DATES
6	AMAGC01010	Sperm whale	Physeter macrocephalus	0	**12**	3	5	1	3	**10**	3	3	4	E	Pelagic, peripheral.	E	E	G3	SZ														32	
6	AMAGF02010	Dall's porpoise	Phocoenoides dall	0	**5**	1	1	2	1	**8**	3	2	3	M		M		G4	SU	2	c	4,6											29, 31, 32	
6	AMAGG01010	Gray whale	Eschrichtius robustus	0	**11**	2	3	3	3	**10**	3	3	4	S		S		G3	SZ	1,2	a	4,6			T								28, 30, 31	SR 1997
6	AMAGH01010	Fin whale	Balaenoptera physalus	0	**14**	3	5	1	5	**9**	3	3	3	E		E	E	G3	SZ														30, 31, 32	
6	AMAGH01020	Sei whale	Balaenoptera borealis	0	**12**	2	5	2	3	**10**	2	3	5	E		E	E	G3	SZ														28, 30, 31	RP F
6	AMAGH01030	Minke whale	Balaena acutorostrata	0	**9**	3	0	3	3	**7**	2	3	2	G5				G5	SZ						T								30, 31, 32	
6	AMAGH01040	Blue whale	Balaenoptera musculus	0	**14**	3	5	1	5	**9**	3	3	3	E		E	E	G3	SZ														30, 31, 32	
6	AMAGH02010	Humpback whale	Megaptera novaeangliae	0	**14**	3	5	3	3	**8**	3	2	3	E		E	E	G3	SZ						T								31, 32	
6	AMAGJ02010	Black right whale	Balaena glacialis	0	**16**	5	5	1	5	**9**	1	3	5	E		E	E		SU														30, 31, 32	
6	AMAJA01010	Coyote	Canis latrans	0	**4**	1	0	2	1	**9**	3	3	3	S5				G5	S5				x										1, 2, 4-20, 22, 23, 24, 25	
6	AMAJA03010	Red fox	Vulpes vulpes	0	**6**	2	0	2	2	**8**	2	2	4	S5				G5	S5				x										9, 10. 11, 19, 20, 27	
6	AMAJB01010	Black bear	Ursus americanus	0	**4**	1	0	2	1	**5**	3	1	1	S5				G5	S5				x										1, 2, 4,-10, 14, 19, 20, 22, 23, 24, 25	
6	AMAJC04010	California sea lion	Zalophus californianus	0	**4**	1	0	2	1	**11**	3	3	5	G5				G5	SU	2	c	4,6											28, 29, 30, 31	
6	AMAJE02010	Raccoon	Procyon lotor	0	**4**	1	0	2	1	**11**	3	3	5	S5				G5	S5				x										1, 2, 11, 19, 20-28	
6	AMAJF01010	Marten (Cascade population)	Martes americana	0	**6**	2	0	2	2	**9**	3	2	4	S4				G5	S4	3	c	1,2,3,4,5,6	x				T	T					1, 4, 5, 6, 9, 24	MR 1991
6	AMAJF02010	Ermine	Mustela erminea anguinae	0	**3**	1	0	1	1	**11**	3	3	5	S5				G5	S5				x	T									1, 4, 5, 15, 19	
6	AMAJF02030	Long-tailed weasel	Mustela frenata	0	**3**	1	0	1	1	**10**	2	3	5	S5				G5	S5				x										1, 2, 4,-20, 22, 23, 24, 25, 26, 27	
6	AMAJF02050	Mink	Mustela vison	0	**3**	1	0	1	1	**11**	3	3	5	S5				G5	S5	3	c	1,2,3,4,5,6	x										1, 21, 22, 23, 24, 25, 26, 27, 28	
6	AMAJF05020	Western spotted skunk	Spilogale gracilis	0	**7**	3	0	1	3	**7**	2	2	3	S4				G5	S4				x										1, 4, 5	
6	AMAJF06010	Striped skunk	Mephitis mephitis	0	**3**	1	0	1	1	**11**	3	3	5	S5				G5	S5				x										1, 2, 11, 12, 19, 22, 23, 25, 26, 27	
6	AMAJF10010	River otter	Lontra canadensis	0	**7**	2	0	3	2	**10**	3	3	4	S4				G5	S4				x			T							21, 22, 23, 25, 26, 28, 30	
6	AMAJG01010	Harbor seal	Phoca vitulina	0	**7**	1	1	2	3	**10**	3	2	5	M		M		G5	S4	2	c	4,5,6			T								26, 27, 28, 29, 30, 31	
6	AMAJH03020	Bobcat	Lynx rufus	0	**4**	1	0	2	1	**11**	3	3	5	S5				G5	S5				x										1, 2, 4-8, 11-18, 20, 22-25, 27	
6	AMAJH04010	Cougar	Puma concolor	0	**6**	2	0	3	1	**9**	2	2	5	S4				G5	S4				x										1, 2, 4,-9, 12, 13, 14, 22-25	
6	AMALC02010	Columbian black-tailed deer	Odocoileus hemionus columbianus	0	**5**	1	0	3	1	**11**	3	3	5	S5				G5	S5	3	c	3,4,5,6	x										1, 2, 4-7, 9-12, 19, 20, 22-27	
6	AMALC02010	Rocky Mountain mule deer	Odocoileus hemionus hemionus	0	**9**	3	0	3	3	**9**	3	3	3	S5				G5	S5	3	b,c	1,2,3,5	x										4-10, 13-20, 22, 24, 25	
6	AMALC02020	Northwest white-tailed deer	Odocoileus virginianus ochrourus	0	**5**	1	0	3	1	**11**	3	3	5	S5				G5	S5	3	b,c	1,2	x										4, 5, 7, 8, 14, 15, 19, 22, 2 5	
6	AMALC03010	Moose	Alces alces	0	**5**	1	0	3	1	**8**	2	3	3	S5				G5	S5	3	c	1,2	x										4, 5, 8, 21, 22, 24, 25	
6	AMALCO1012	Rocky Mountain elk	Cervus elaphus nelson	0	**6**	2	0	3	1	**9**	3	3	3	S5				G5	S5	3	b,c	1,3,5,6	x				T	T		T			1, 4-9, 13-17, 19, 22, 23, 24, 25	
6	AMALCO1013	Roosevelt elk	Cervus elaphus roosevelti	0	**6**	2	0	3	1	**9**	3	3	3	S5				G5	S5	3	b,c	4,5,6	x			T	T	T					1, 2, 4, 9, 11, 12, 19, 22, 23, 24, 27	
6	AMALE02010	Mountain goat	Oreamnos americanus	0	**12**	3	3	3	3	**8**	2	2	4	S2				G5	S2	3	b,c	1,2,3,4,5,6	x			T	T	T	T				4, 9, 10	RP 1997, MR 1991
6	AMALE04010	Bighorn sheep	Ovis canadensis	0	**13**	4	2	3	4	**8**	3	2	3	S3			Co	G4	S3	3	b,c	1,2,3	x					T	T		T	T	13, 14, 15, 16, 17	
5	ABNCA03010	Horned grebe	Podiceps auritus	0	**7**	2	1	2	2	**5**	1	1	3	M		M		G	S3														21, 22, 28, 30	
5	ABNCA03020	Red-necked grebe	Podiceps grisegena	0	**9**	3	1	2	3	**6**	2	1	3	M	Peripheral species -- JA	M		G5	S3						T								21, 22, 28, 29, 30, 31	
5	ABNCA03030	Eared grebe	Podiceps nigricollis	0	**9**	2	3	2	2	**6**	2	1	3	S2				G5	S2														21, 22	
5	ABNCA04020	Clark's grebe	Aechmophorus clarkii	0	**9**	3	1	1	4	**4**	1	1	2	M		M		G5	S2						T								21, 22, 28, 29, 30, 31	
5	ABNDA01020	Short-tailed albatross	Phoebastria albatrus	0	**7**	2	0	2	3	**6**	2	1	3	G1	Pelagic/peripheral.	C	E	G1	SA	1	a	6											31, 32	
5	ABNDC04010	Fork-tailed storm petrel	Oceanodroma furcata	0	**9**	2	2	2	3	**3**	1	1	1	S3				G5	S3					T									27, 31, 32	
5	ABNDC04020	Leach's storm petrel	Oceanodroma leucorhoa	0	**8**	3	0	2	3	**3**	1	1	1	S4				G5	S4					T									27, 31, 32	
5	ABNFC01020	Brown pelican	Pelecanus occidentalis	0	**12**	2	5	3	2	**9**	3	1	5	E	Peripheral species - JA.	E	E	G4	S3	1,2	c	6		T									20, 26, 27, 28, 30	RP 1983f
5	ABNFD01020	Double-crested cormorant	Phalacrocorax auritus	0	**4**	1	0	2	1	**6**	3	2	1	S4				G5	S4					T		T							20, 21, 22, 25, 26, 27, 28, 29, 30	
5	ABNFD01040	Brandt's cormorant	Phalacrocorax penicillatus	0	**9**	2	3	2	2	**4**	2	1	1	C		C		G5	S3	1,2	b,c	4,5,6		T							T		27, 28, 29, 30, 31	
5	ABNFD01050	Pelagic cormorant	Phalacrocorax pelagicus	0	**6**	2	0	2	2	**4**	2	1	1	S4				G5	S4					T									27, 28, 29, 30, 31	
5	ABNGA01020	American bittern	Botaurus lentiginosis	0	**7**	2	2	1	2	**6**	2	1	3	S3				G4	S3										T				19, 22, 28. Uses wet meadows.	
5	ABNGA04040	Great egret	Ardea alba	0	**8**	2	1	3	2	**7**	3	1	3	M	Peripheral species.	M		G5	S3														11, 18, 19, 21, 22, 23, 25, 28	
5	ABNGA08010	Green heron	Butorides virescens	0	**7**	2	1	2	2	**5**	1	1	3	M		M		G5	S3														21, 22, 23, 28	
5	ABNGA11010	Black-crowned night heron	Nycticorax nycticorax	0	**7**	2	1	2	2	**7**	3	1	3	M		M		G5	S3	2	b	1,2,3,4,5,6											21, 22, 23, 25	
5	ABNJB02010	Tundra swan	Cygnus columbianus	0	**9**	3	0	3	3	**7**	2	2	3	S4				G5	S4	2,3	c	1,2,3,4,5,6	x										19, 21, 22, 28	
5	ABNJB03040	Pacific greater white-fronted goose	Anser albifrons	0	**7**	1	2	3	1	**9**	3	3	3	S3				G5	S3				x										19, 21, 22, 28	
5	ABNJB04010	Snow goose (lesser, Wrangel Island)	Chen caerulescens	0	**14**	4	2	3	5	**10**	3	3	4	S3	Look at this population only -- very vulnerable.			G5	S3	2,3	c	4	x		T								19, 21, 22, 28	
5	ABNJB05030	Western Canada goose	Branta canadensis	0	**5**	1	0	3	1	**7**	3	2	2	S5				G5					x											
5	ABNJB05032	Vancouver Canada goose	Branta canadensis fulva	0	**9**	3	0	3	3	**6**	1	2	3										x											
5	ABNJB05033	Lesser Canada goose	Branta canadensis parvipes	0	**8**	3	0	3	2	**9**	2	3	4										x										15, 16, 17, 19, 21, 22, 28	
5	ABNJB05034	Taverner Canada goose	Branta canadensis taverneri	0	**8**	3	0	3	2	**9**	2	3	4										x										15, 16, 17, 19, 21, 22, 28	
5	ABNJB05035	Aleutian Canada goose	Branta canadensis leucopareia	0	**11**	2	4	3	2	**10**	3	3	4	T		T	Co	G5	SZ	1	c	5,6	x		T								15, 16, 17, 19, 21, 22, 28	SR 1997, RP 1997f
5	ABNJB05037	Cackling Canada goose	Branta canadensis minima	0	**9**	4	0	3	2	**9**	2	3	4	G5				G5					x										15, 16, 17, 19, 21, 22, 28	

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					CRITERIA																										
				179	9.5	Concerns				7.5	Actions									PHS				Ecoregions								
Evo	ELCODE	COMMON NAME	SCIENTIFIC NAME	SGCN	Y-Axis	Threats	Current status	Socio-econ value	Vulnerability	X-Axis	Knowledge	Expenditures	Conservation measures in place	Status for Calculation	RANKING BIOLOGIST COMMENTS	WDFW Species Of Concern	ESA	NHP G-Rank	NHP S-Rank	Criteria	Area	Region	WDFW Game Plan	NW Coast	Puget Trough	N Cascades	W Cascades	E Cascades	Okanogan	Can. Rockies	Blue Mountains	Columbia Plat.	WHROW HABITAT COMMENTS	MANAGEMENT/ RECOVERY/ STATUS REPORTS AND DATES
5	ABNJB05039	Dusky Canada goose	Branta canadensis occidentalis	0	**9**	4	0	3	2	**8**	1	3	4	G5				G5					x		T								15, 16, 17, 19, 21, 22, 28	
5	ABNJB09010	Wood duck	Aix sponsa	0	**10**	2	2	3	3	**8**	2	3	3	S3				G5	S3	3	b	1,2,3,4,5,6											19, 21, 23, 25	
5	ABNJB10010	Green-winged teal	Anas crecca	0	**6**	2	0	3	1	**8**	2	3	3	S4				G5	S4														15, 19, 21, 22, 23, 25, 28	
5	ABNJB10060	Mallard	Anas platyrhynchos	0	**7**	3	0	3	1	**9**	3	3	3	S5				G5	S5				x										15, 16, 19, 20, 21, 22, 23, 25, 28, 30	
5	ABNJB10140	Cinnamon teal	Anas cyanoptera	0	**6**	2	0	3	1	**7**	2	2	3	S5	Poor information on breeding origins, banding			G5	S5				x										19, 21, 22	
5	ABNJB10150	Northern shoveler	Anas clypeata	0	**6**	2	0	3	1	**7**	2	2	3	S5	Poor information on breeding origins, banding			G5	S5				x										11, 15, 19, 21, 22	
5	ABNJB10160	Gadwall	Anas strepera	0	**6**	2	0	3	1	**7**	2	2	3	S5	Poor information on breeding origins, banding			G5	S5				x										15, 19, 21, 22, 28	
5	ABNJB10180	American wigeon	Anas americana	0	**6**	2	0	3	1	**7**	2	2	3	S4				G5	S4														15, 19, 21, 22, 23, 28, 30	
5	ABNJB11020	Canvasback	Aythya valisinaria	0	**9**	3	0	3	3	**7**	2	2	3	S4	Management concern			G5	S4				x										21, 22, 28, 29, 30	
5	ABNJB15010	Harlequin duck	Histrionicus histrionicus	0	**12**	3	3	3	3	**8**	3	2	3	S2			Co	G4	S2	2,3	b,c	1,2,3,4,5,6	x	T		T	T	T					21, 23, 25, 28, 30	MR 2003
5	ABNJB18010	Common goldeneye	Bucephala clangula	0	**5**	1	0	3	1	**10**	3	2	5	S5				G5	S5	2,3	b,c	1,2,3,4,5,6		T									21, 28, 30	
5	ABNJB18020	Barrow's goldeneye	Bucephala islandica	0	**8**	2	2	3	1	**6**	2	2	2	S3				G5	S3	2,3	b,c	1,2,3,4,5,6		T		T							4, 9, 10, 21, 22, 24, 28, 30	MR 2003
5	ABNJB18030	Bufflehead	Bucephala albeola	0	**5**	1	0	3	1	**10**	3	2	5	G5				G5	SZ	2,3	b,c	1,2,3,4,5,6											4, 21, 22, 23, 24, 25, 28, 30	
5	ABNJB20010	Hooded merganser	Lophodytes cucullatus	0	**9**	3	2	3	1	**6**	2	1	3	S3				G5	S3	3	b	1,2,3,4,5,6											1, 21, 22, 23, 25, 28	
5	ABNJB21010	Common merganser	Mergus merganser	0	**9**	3	2	3	1	**7**	2	2	3	S3				G5	S3														1, 21, 23, 25, 28	
5	ABNJB21020	Red-breasted merganser	Mergus serrator	0	**6**	2	0	3	1	**6**	2	2	2	S5				G5	S5				x										28, 30	
5	ABNJB22010	Ruddy duck	Oxyura jamaicensis	0	**7**	3	0	3	1	**7**	2	2	3	S4				G5	S4														21, 22, 28	
5	ABNKA02010	Turkey vulture	Cathartes aura	0	**8**	2	1	2	3	**7**	3	1	3	M		M		G5	S4														1, 2, 4-7, 13, 15-19, 22, 23, 25, 27, 28	
5	ABNKC01010	Osprey	Pandion haliaetus	0	**7**	2	1	2	2	**8**	3	1	4	M		M		G5	S4														1, 2, 4-7, 16, 20, 21, 23, 25, 27, 28, 30	
5	ABNKC06010	White-tailed kite	Elanus leucurus	0	**7**	1	3	2	1	**7**	2	1	4	S2				G5	S2														11, 19, 26	
5	ABNKC19070	Swainson's hawk	Buteo swainsoni	0	**9**	3	1	2	3	**6**	2	1	3	M		M		G5	S3														13, 15, 16, 17, 18, 19, 22, 25	
5	ABNKD06020	American kestrel	Falco sparverius	0	**6**	1	0	2	3	**6**	2	1	3	S4				G5	S4														1, 2, 4-7, 11, 14,-23, 25	
5	ABNKD06030	Merlin	Falco columbarius	0	**7**	2	3	1	1	**8**	3	1	4	C		C		G5	S3	1	b	1,2,3,4,5,6											1, 13, 20, 21, 23, 26, 28, 30	
5	ABNKD06080	Gyrfalcon	Falco rusticolus	0	**7**	2	1	3	1	**8**	2	2	4	M		M		G5	S2														19, 21, 22, 26, 28	
5	ABNLC09010	Spruce grouse	Falcipennis canadensis	0	**8**	3	0	2	3	**7**	2	2	3	S4				G5	S4				x										5, 6, 9, 24	
5	ABNLC09020	Blue grouse	Dendragapus obscurus	0	**6**	2	0	3	1	**8**	2	2	4	S4				G5	S4	3	b,c	1,2,3,4,5,6	x	T	T	T			T				1, 2, 4, 5, 6, 7, 8, 9, 10, 16, 24, 25	
5	ABNLC10030	White-tailed ptarmigan	Lagopus leucurus saxitilis	0	**7**	2	2	2	1	**6**	2	1	3	S3				G5	S3					T		T							9, 10	
5	ABNLC11010	Ruffed grouse	Bonasa umbellus	0	**7**	2	0	3	2	**11**	3	3	5	S5				G5	S5				x										1, 2, 5, 7, 8, 9, 19, 23, 24, 25	
5	ABNME14020	American coot	Fulica americana	0	**4**	1	0	2	1	**7**	2	1	4	S4				G5	S4				x										19, 20, 21, 22, 28	
5	ABNNB02010	Black-bellied plover	Pluvialis squatarola	0	**7**	2	0	2	3	**6**	3	1	2	S4	Limited distribution. Spartina a problem in areas.			G5	S4	2	b	1,2,3,4,5,6											18, 19, 21, 26, 28	
5	ABNNB02040	Pacific golden-plover	Pluvialis fulva	0	**9**	2	3	2	2	**5**	2	1	2	S2				G5	S2														19, 21, 26, 28	
5	ABNNB03090	Killdeer	Charadrius vociferus	0	**6**	3	0	1	2	**6**	3	1	2	S4				G5	S4								T	T					11, 15-23, 25, 26, 27, 28	
5	ABNND01010	Black-necked stilt	Himantopus mexicanus	0	**7**	2	1	2	2	**6**	2	1	3	M		M		G5	S3														15, 16, 18, 19, 21, 22	
5	ABNND02010	American avocet	Recurvirostra americana	0	**6**	2	0	2	2	**6**	2	1	3	S4				G5	S4										T				15, 16, 18, 19, 21, 22	
5	ABNNF01020	Greater yellowlegs	Tringa melanoleuca	0	**4**	1	0	2	1	**7**	3	1	3	S4				G5	S4	2	b	1,2,3,4,5,6											18, 19, 21, 22, 28, 30	
5	ABNNF03010	Wandering tattler	Heteroscelus incanus	0	**8**	2	2	2	2	**6**	2	1	3	S3				G5	S3	2	b	1,2,3,4,5,6											26, 27	
5	ABNNF04020	Spotted sandpiper	Actitis macularia	0	**5**	1	2	1	1	**5**	2	1	2	S3				G5	S3														15-19, 21, 22, 23, 25, 26, 28	
5	ABNNF07020	Whimbrel	Numenius phaeopus	0	**6**	1	2	1	2	**6**	2	1	3	S3	Irregularly distributed.			G5	S3	2	b	1,2,3,4,5,6											1, 9, 26, 27, 28	
5	ABNNF07070	Long-billed curlew	Numenius americanus	0	**8**	2	1	2	3	**6**	2	1	3	M		M		G5	S2										T			T	15, 16, 17, 18, 19, 22, 28	
5	ABNNF09010	Ruddy turnstone	Arenaria interpres	0	**5**	1	0	2	2	**7**	3	1	3	S4				G5	S4	2	b	1,2,3,4,5,6											26, 27, 28	
5	ABNNF09020	Black turnstone	Arenaria melanocephala	0	**6**	2	0	2	2	**6**	2	1	3	S4				G5	S4					T									21, 26, 27, 28	
5	ABNNF10010	Surfbird	Aphriza virgata	0	**6**	2	0	1	3	**5**	1	1	3	S4				G5	S4					T									26, 27	
5	ABNNF11030	Sanderling	Calidris alba	0	**7**	2	0	2	3	**5**	3	1	1	S4	Vulnerable to oil spills. WA population increasing.			G5	S4	2	b	1,2,3,4,5,6											18, 26, 28	
5	ABNNF11050	Western sandpiper	Calidris mauri	0	**9**	4	0	2	3	**6**	3	1	2	S4	Declining population almost certain. Spartina a problem in areas.			G5	S4	2	b	1,2,3,4,5,6											18, 19, 21, 22, 26, 28	
5	ABNNF11100	Least sandpiper	Calidris minutilla	0	**5**	2	0	1	2	**7**	3	1	3	S4				G5	S4	2	b	1,2,3,4,5,6											18, 19, 21, 22, 28	
5	ABNNF11170	Dunlin	Calidris alpina	0	**5**	2	0	2	1	**7**	3	1	3	S4				G5	S4					T									18, 19, 21, 22, 26, 28	
5	ABNNF16010	Short-billed dowitcher	Limnodromus griseus	0	**7**	3	0	2	2	**6**	3	1	2	S4	Population may be declining. Spartina a problem in areas.			G5	S4	2	b	1,2,3,4,5,6											19, 21, 26, 28	
5	ABNNF18030	Wilson's snipe	Gallinago delicata	0	**8**	3	0	3	2	**6**	2	1	3	S4				G5	S4				x										11, 19, 22, 28	
5	ABNNF20010	Wilson's phalarope	Phalaropus tricolor	0	**8**	2	2	2	2	**6**	2	1	3	S3				G5	S3										T				18, 21, 22	
5	ABNNF20020	Red-necked phalarope	Phalaropus lobatus	0	**5**	1	0	2	2	**6**	2	1	3	S4				G4	S4	2	b	1,2,3,4,5,6											21, 28, 29, 30, 31, 32	
5	ABNNF20030	Red phalarope	Phalaropus fulicarius	0	**5**	1	0	2	2	**6**	2	1	3	S4	Use of offshore areas not clearly understood. Oil spills.			G5	S4	2	b	1,2,3,4,5,6											31, 32	
5	ABNNM03020	Franklin's gull	Larus pipixcan	0	**5**	2	0	1	2	**6**	2	1	3	G4				G4	SZ													T	19, 21, 22, 26, 28, 30	

CWCS SPECIES OF GREATEST CONSERVATION NEED

09/12/2005

					CRITERIA																											
				179	9.5	Concerns				7.5	Actions										PHS				Ecoregions								
Evo	ELCODE	COMMON NAME	SCIENTIFIC NAME	SGCN	Y-Axis	Threats	Current status	Socio-econ value	Vulnerability	X-Axis	Knowledge	Expenditures	Conservation measures in place	Status for Calculation	RANKING BIOLOGIST COMMENTS	WDFW Species Of Concern	ESA	NHP G-Rank	NHP S-Rank	Criteria	Area	Region	WDFW Game Plan	NW Coast	Puget Trough	N Cascades	W Cascades	E Cascades	Okanogan	Can. Rockies	Blue Mountains	Columbia Plat.	WHROW HABITAT COMMENTS	MANAGEMENT/ RECOVERY/ STATUS REPORTS AND DATES
5	ABNNM03100	Ring-billed gull	Larus delawarensis	0	**6**	2	0	2	2	**8**	3	1	4	S5				G5	S5														19, 20, 21, 22, 26-31	
5	ABNNM03180	Western gull	Larus occidentalis	0	**4**	2	0	1	1	**6**	2	1	3	S4				G5	S4					T									20, 26, 27, 28, 30, 31	
5	ABNNM08020	Caspian tern	Sterna caspia	0	**11**	4	1	2	4	**8**	3	2	3	M		M		G5	S3					T									21, 22, 26, 27, 28, 30	
5	ABNNM08040	Elegant tern	Sterna elegans	0	**4**	1	0	2	1	**8**	2	1	5	G2	Winter migrant only.			G2															26, 27, 28, 30	
5	ABNNM08090	Forster's tern	Sterna forsteri	0	**7**	2	1	2	2	**7**	2	1	4	M		M		G5	S3													T	22, 26, 28, 30	
5	ABNNM10020	Black tern	Chlidonias niger	0	**7**	2	1	2	2	**7**	3	1	3	M		M	Co	G4	S4						T							T	19, 21, 22	
5	ABNNN05020	Pigeon guillemot	Cepphus columba	0	**8**	3	0	2	3	**6**	2	2	2	S4				G5	S4					T									27, 28, 29, 30	
5	ABNNN11010	Rhinoceros auklet	Cerorhinca monocerata	0	**9**	3	0	2	4	**7**	2	2	3	S4				G5	S4					T									27, 28, 29, 30, 31, 32	
5	ABNPB01080	Band-tailed pigeon	Columba fasciata	0	**11**	3	2	3	3	**9**	3	2	4	S3				G4	S3	3	b,c	4,5,6	x	T	T	T	T	T					1, 2, 3, 4, 19, 20, 23, 26, 27, 28	
5	ABNPB04040	Mourning dove	Zenaida macroura	0	**7**	3	0	3	1	**6**	2	1	3	S5				G5	S5				x										1, 2, 7, 11-20, 23, 25	
5	ABNSB01040	Western screech owl	Otus kennicotii macfarlane	0	**4**	1	0	2	1	**7**	2	1	4	S4				G5	S4										T				1, 2, 5, 6, 7, 8, 13, 20, 23, 25	
5	ABNSB06010	Snowy owl	Nyctea scandiaca	0	**6**	1	1	3	1	**8**	2	1	5	M		M		G5	S3														19, 26	
5	ABNSB08010	Northern pygmy owl	Glaucidium gnoma	0	**4**	1	0	1	2	**6**	2	1	3	S4				G5	S4					T									1, 2, 5, 6, 7, 9, 13, 23, 25	
5	ABNSB12020	Barred owl	Strix varia	0	**4**	1	0	2	1	**8**	2	1	5	S5				G5	S5														1, 5, 23	
5	ABNSB13040	Short-eared owl	Asio flammeus	0	**9**	3	2	2	2	**5**	2	1	2	S3				G5	S3						T					T			11, 15, 16, 19, 22	
5	ABNSB15010	Boreal owl	Aegolius funereus	0	**6**	1	1	2	2	**5**	1	1	3	M		M		G5	S3										T				4, 5, 8	
5	ABNTA02020	Common nighthawk	Chordeiles minor	0	**6**	2	0	2	2	**6**	2	1	3	S4				G5	S4						T								1, 2, 4, 5, 6, 7, 11-25	
5	ABNTA04010	Common poorwill	Phalaenoptilus nuttall	0	**8**	2	2	2	2	**6**	1	1	4	S3				G5	S3														2, 5, 6, 7, 15, 16, 17, 18, 19	
5	ABNUA01010	Black swift	Cypseloides niger	0	**7**	2	1	2	2	**5**	1	1	3	M		M		G4	S3							T	T	T	T	T			1, 2, 4, 5, 6, 7, 9, 10, 20-30	
5	ABNUA06010	White-throated swift	Aeronautes saxatalis	0	**8**	2	2	2	2	**5**	1	1	3	S3				G5	S3														5, 7, 14, 15, 16, 17, 18, 19, 21, 22, 25	
5	ABNUC48010	Calliope hummingbird	Stellula calliope	0	**6**	2	0	2	2	**5**	1	1	3	S4				G5	S4								T	T	T		T		24, 25	
5	ABNUC51020	Rufous hummingbird	Selasphorus rufus	0	**7**	3	0	2	2	**5**	2	1	2	S4				G5	S4					T	T	T	T	T	T		T		1, 2, 4-11, 14, 19, 20, 23- 27	
5	ABNYF05020	Red-breasted sapsucker	Sphyrapicus ruber	0	**0**		0			**0**				S4				G5	S4					T										
5	ABNYF05030	Williamson's sapsucker	Sphyrapicus thyroideus	0	**8**	2	2	2	2	**5**	1	1	3	S3				G5	S3									T	T		T		4, 5, 6, 7, 8, 9	
5	ABNYF05040	Red-naped sapsucker	Sphyrapicus nuchalis	0	**6**	2	0	2	2	**6**	2	1	3	S4				G5	S4						T				T		T		1, 2, 4, 23, 24	
5	ABNYF07030	Downy woodpecker	Picoides pubescens	0	**4**	1	0	2	1	**8**	3	1	4	S4				G5	S4														1, 2, 9, 19, 20, 23, 25	
5	ABNYF07110	Three-toed woodpecker	Picoides tridactylus	0	**6**	2	1	1	2	**6**	2	1	3	M		M		G5	S3												T		4, 5, 6, 7, 9, 24	
5	ABPAE32010	Olive-sided flycatcher	Contopus cooperi	0	**6**	2	0	2	2	**6**	2	1	3	S4			Co	G5	S4					T	T	T	T	T	T		T		1, 3, 4, 5, 6, 7, 9, 23, 24, 25	
5	ABPAE32050	Western wood pewee	Contopus sordidulus	0	**3**	1	0	1	1	**6**	2	1	3	S5				G5	S5					T	T								11, 19, 20, 23, 25	
5	ABPAE33040	Willow flycatcher	Empidonax traillii	0	**4**	2	0	1	1	**7**	3	1	3	S4			Co	G5	S4						T	T	T	T	T		T		1, 2,4, 23, 24, 25	
5	ABPAE33080	Hammond's flycatcher	Empidonax hammondii	0	**3**	1	0	1	1	**6**	1	1	4	S5				G5	S5							T			T		T		1, 2, 4, 5, 7	
5	ABPAE33090	Dusky flycatcher	Empidonax oberholseri	0	**3**	1	0	1	1	**7**	2	1	4	S4				G5	S4												T		4, 5, 6, 7, 8, 13, 24, 25	
5	ABPAE33100	Gray flycatcher	Empidonax wrightii	0	**4**	1	1	1	1	**5**	1	1	3	M		M		G5	S2									T				T	6, 7, 13, 16	
5	ABPAE33120	Pacific-slope flycatcher	Empidonax difficilis	0	**3**	1	0	1	1	**7**	2	1	4	S4				G5	S4					T	T	T							1, 2, 4, 23, 24	
5	ABPAE33160	Cordilleran flycatcher	Empidonax occidentalis	0	**6**	2	2	1	1	**6**	1	1	4	S3				G5	S3												T		5, 25	
5	ABPAE43050	Ash-throated flycatcher	Myiarchus cinerascens	0	**9**	3	1	2	3	**4**	1	1	2	M		M		G5	S2														2, 11, 13, 20	
5	ABPAU07010	Northern rough-winged swallow	Stelgidopteryx serripennis	0	**7**	2	0	2	3	**5**	1	1	3	S4				G5	S4														1, 2, 4-7, 11, 13-18, 21-23, 25-28, 30	
5	ABPAW01010	Blackcapped chickadee	Poecile atricapilla	0	**4**	1	0	2	1	**7**	3	1	3	S5				G5	S5														1, 2, 20, 23, 25	
5	ABPAW01060	Boreal chickadee	Poecile hudsonicus	0	**5**	1	1	2	1	**6**	1	1	4	M	Peripheral species -- JA	M		G5	S3														4, 9, 24	
5	ABPAW01070	Chestnut-backed chickadee	Poecile rufescens	0	**4**	1	0	2	1	**7**	2	1	4	S5				G5	S5					T	T								1, 4, 5, 20, 23, 24	
5	ABPBA01010	Brown creeper	Certhia americana	0	**5**	2	0	1	2	**6**	2	1	3	S4				G5	S4								T	T					1, 2, 4, 5, 6, 7, 20, 23, 24, 25	
5	ABPBG03010	Rock wren	Salpinctes obsoletus	0	**4**	1	0	2	1	**4**	1	1	2	S4				G5	S4														13, 15, 16	
5	ABPBG04010	Canyon wren	Catherpes mexicanus	0	**3**	1	0	1	1	**4**	1	1	2	S4				G5	S4										T				4, 5, 6, 7, 13, 14, 15, 16, 17, 25	
5	ABPBG09050	Winter wren	Troglodytes troglodytes	0	**3**	1	0	1	1	**7**	2	1	4	S5				G5	S5														1, 4, 5, 9, 23, 24, 25, 26	
5	ABPBG10020	Marsh wren	Cistothorus palustris	0	**4**	2	0	1	1	**6**	2	1	3	S4				G5	S4														22, 28	
5	ABPBH01010	American dipper	Cinclus mexicanus	0	**6**	2	0	2	2	**6**	2	1	3	S5				G5	S5							T			T				21, 23	
5	ABPBJ05010	Golden-crowned kinglet	Regulus satrapa	0	**4**	2	0	1	1	**6**	2	1	3	S4				G5	S4					T	T								1, 2, 4, 5, 7, 9, 20, 23, 24, 25	
5	ABPBJ18080	Veery	Catharus fuscescens	0	**8**	2	2	2	2	**6**	2	1	3	S3				G5	S3										T	T		T	25	
5	ABPBJ18100	Swainson's thrush	Catharus ustulatus	0	**4**	2	0	1	1	**6**	2	1	3	S5				G5	S5												T		1, 4, 5, 8, 23, 24, 25	
5	ABPBX03010	Yellow warbler	Dendroica petechia	0	**5**	2	0	1	2	**7**	3	1	3	S4				G5	S4										T		T		23, 25	
5	ABPBX03070	Black-throated gray warbler	Dendroica nigrescens	0	**3**	1	0	1	1	**6**	1	1	4	S5				G5	S5					T	T	T	T	T					1, 2, 5, 7, 23	
5	ABPBX03080	Townsend's warbler	Dendroica townsend	0	**4**	1	0	2	1	**6**	2	1	3	S4				G5	S4						T		T	T			T		1, 2, 4, 5, 9, 20, 23, 24	
5	ABPBX03090	Hermit warbler	Dendroica occidentalis	0	**3**	1	0	1	1	**4**	2	1	1	S4				G4	S4					T	T		T	T					1, 2, 4, 23, 24	
5	ABPBX10020	Northern waterthrush	Seiurus noveboracensis	0	**7**	2	1	2	2	**7**	2	1	4	M	Peripheral species -- JA.	M		G5	S3														23, 25	
5	ABPBX11040	Macgillivray's warbler	Oporornis tolmiei	0	**5**	2	0	1	2	**6**	2	1	3	S4				G5	S4												T	T	1, 2, 4, 5, 7, 9, 23, 24, 25	
5	ABPBX16020	Wilson's warbler	Wilsonia pusilla	0	**3**	1	0	1	1	**6**	2	1	3	S5				G5	S5												T	T	1, 2, 4, 5, 23, 24, 25	

CWCS SPECIES OF GREATEST CONSERVATION NEED

09/12/2005

					CRITERIA															PHS				Ecoregions									
				179	9.5	Concerns				7.5	Actions																						
Evo	ELCODE	COMMON NAME	SCIENTIFIC NAME	SGCN	Y-Axis	Threats	Current status	Socio-econ value	Vulnerability	X-Axis	Knowledge	Expenditures	Conservation measures in place	Status for Calculation	RANKING BIOLOGIST COMMENTS	WDFW Species Of Concern	ESA	NHP G-Rank	NHP S-Rank	Criteria	Area	Region	WDFW Game Plan	NW Coast	Puget Trough	N Cascades	W Cascades	E Cascades	Okanogan	Can. Rockies	Blue Mountains	Columbia Plat.	WHROW HABITAT COMMENTS	MANAGEMENT/ RECOVERY/ STATUS REPORTS AND DATES
5	ABPBX24010	Western yellow-breasted chat	Icteria virens auricollis	0	**8**	2	2	2	2	**5**	1	1	3	S3				G5	S3										T				1, 2, 19, 23, 25	
5	ABPBX45050	Western tanager	Piranga ludoviciana	0	**4**	1	0	2	1	**6**	2	1	3	S5				G5	S5														1, 2, 4, 5, 6, 7, 8, 9, 23, 24, 25	
5	ABPBX74010	Green-tailed towhee	Pipilo chlorurus	0	**9**	1	3	2	3	**5**	1	1	3	S2	Peripheral species.	M		G5	S2													T	4, 5, 6, 7, 8, 13, 15, 16	
5	ABPBX94040	Brewer's sparrow	Spizella breweri	0	**9**	3	2	1	3	**5**	2	1	2	S3				G5	S3										T			T	15, 16, 17, 18	
5	ABPBX97010	Black-throated sparrow	Amphispiza bilineata	0	**8**	2	4	1	1	**3**	1	1	1	S1	Peripheral species.			G5	S1														16, 17, 18	
5	ABPBXA0020	Grasshopper sparrow	Ammodramus savannarum	0	**7**	3	1	1	2	**7**	3	2	2	M		M		G5	S3						T				T			T	11, 15, 16, 17, 19	
5	ABPBXA9010	Bobolink	Dolichonyx oryzivorus	0	**8**	3	1	2	2	**5**	2	1	2	M	Peripheral, associated with agriculture.	M		G5	S2										T			T	19, 22, 25	
5	ABPBXB0020	Tricolored blackbird	Agelaius tricolor	0	**8**	1	3	1	3	**5**	1	1	3	S2				G3	S2						T								22	
5	ABPBY04030	Cassin's finch	Carpodacus cassinii	0	**5**	2	0	2	1	**5**	1	1	3	S4				G5	S4										T				4, 5, 6, 7, 8, 9, 13, 24, 25	
5	ABPBY06010	Common redpoll	Carduelis flammea	0	**7**	1	3	2	1	**7**	2	1	4	S2	Not a breeder.			G5	S2														4, 5, 9, 10, 24, 25	
5	ABPBY06090	Lesser goldfinch	Carduelis psaltria	0	**5**	2	1	1	1	**5**	1	1	3	M	Peripheral, recent range expansion	M		G5	S2														2, 11, 19, 23	
4	ARAAD01010	Painted turtle	Chrysemys picta	0	**8**	3	0	2	3	**7**	3	1	3	S5				G5	S5						T								2, 7, 14, 15, 16, 21, 22, 23, 25	
4	ARACB01040	Southern alligator lizard	Elgaria multicarinata	0	**6**	2	1	1	2	**4**	1	1	2	M		M		G5	S4														2, 11	
4	ARACF14080	Western fence lizard	Sceloporus occidentalis	0	**6**	2	0	1	3	**6**	1	2	3	G5																			1, 2, 5, 6, 7, 11-17, 19, 20, 26	
4	ARADA01010	Rubber boa	Charina bottae	0	**4**	1	0	1	2	**6**	2	1	3	S4				G5	S4										T				1, 2, 4,-8, 11, 13, 14, 16, 17, 19--24, 25	
4	ARADB10010	Ringneck snake	Diadophis punctatus	0	**7**	2	1	1	3	**5**	2	1	2	M		M		G5	S3						T								1, 2, 3, 7, 11, 12, 16	
4	ARADB18010	Night snake	Hypsiglena torquata	0	**8**	3	1	1	3	**5**	2	1	2	M		M		G5	S2										T				5, 6, 7, 13, 14, 15, 16, 17, 18	
4	ARADE02120	Western rattlesnake	Crotalus viridis	0	**9**	3	0	2	4	**6**	3	1	2	S5				G5	S5						T			T	T				1, 3, 5, 6, 7, 8, 11-19, 23, 25	
3	AAAAA01080	Long-toed salamander	Ambystoma macrodactylum	0	**3**	1	0	1	1	**7**	3	2	2	S5				G5	S5														7, 13, 15, 16, 17, 19, 20, 21, 22, 25	
3	AAAAH01010	Cope's giant salamander	Dicamptodon copei	0	**8**	3	1	1	3	**5**	1	2	2	M		M		G3	S3					T	T		T						1, 21, 23	
3	AAAAH01040	Coastal giant salamander	Dicamptodon tenebrosus	0	**5**	2	0	1	2	**6**	2	2	2	S5				G5	S5						T								1, 2, 3, 4, 5, 23	
3	AAAAJ01010	Olympic torrent salamander	Rhyacotriton olympicus	0	**8**	3	1	1	3	**5**	1	2	2	M	Much of population protected in ONP	M	Co	G3	S3					T	T								1, 4, 23	
3	AAABA01010	Tailed frog	Ascaphus truei	0	**8**	3	1	2	2	**8**	3	2	3	M		M	Co	G4	S4					T	T		T	T	T				1, 4, 5, 23, 25	
3	AAABB01180	Woodhouse's toad	Bufo woodhousi	0	**6**	2	1	1	2	**5**	2	1	2	M		M		G5	S3													T	15, 16, 17, 18, 19, 20, 21, 22, 25	
3	AAABH01020	Northern red-legged frog	Rana aurora aurora	0	**9**	4	0	2	3	**6**	3	1	2	S4			Co	G4	S4					T	T		T	T					1, 2, 4, 11, 21, 22, 23, 25	
3	AAABH01060	Cascades frog	Rana cascadae	0	**8**	3	1	2	2	**7**	2	1	4	M		M	Co	G4	S4					T			T	T					4, 9, 21, 22, 23, 24, 25	
2	AFC4A06040	Brown rockfish	Sebastes auriculatus	0	**12**	2	3	3	4	**8**	2	2	4	C	Young whippersnappers at 35 years life span	C	Co			1,2,3	c	4,6												SR 1997, MR 1998 (PS);2003 (coastal)
2	AFC4A06190	Puget Sound rockfish	Sebastes emphaeus	0	**7**	1	3	1	2	**6**	1	1	4	C		C									T									
2	AFC4A06210	Widow rockfish	Sebastes entomelas	0	**10**	2	3	2	3	**8**	2	1	5	C		C				1,2,3	c	4,6												SR 1997, MR 1998 (PS);2003, SR 2
2	AFC4A06240	Yellowtail rockfish	Sebastes flavidus	0	**12**	3	3	3	3	**8**	2	1	5	C		C				1,2,3	c	4,6												SR 1997, MR 1998 (PS);2003, SR 2
2	AFC4D02010	Lingcod	Ophiodon elongatus	0	**7**	2	0	3	2	**8**	2	2	4							2,3	a	4,6			T									
2	AFC4E02050	Mottled sculpin	Cottus bairdi	0	**4**	1	0	2	1	**5**	3	1	1	S4				G5	S4										T			T	21	
2	AFC4E02060	Piute sculpin	Cottus beldingi	0	**5**	1	1	2	1	**3**	1	1	1	M		M		G5	S3									T				T	21	
2	AFC4E02080	Slimy sculpin	Cottus cognatus	0	**7**	2	1	2	2	**5**	3	1	1	M		M		G5	S3													T	21	
2	AFC4E02090	Shorthead sculpin	Cottus confusus	0	**0**		0			**0**																	T	T					21	
2	AFCAA01050	White sturgeon (Columbia River)	Acipenser transmontanus pop.2	0	**13**	4	2	3	4	**10**	3	3	4	S3				G4	S3					T	T		T	T		T			21	
2	AFCHA0208A	Coastal resident/searun cutthroat	Oncorhynchus clarki clark	0	**6**	2	0	2	2	**7**	2	1	4	G4			Co	G4	SU	3	a	4,5,6					T						21, 28, 29, 30, 31, 32	MR 1991
2	AFCHA05040	Dolly varden	Salvelinus confluentus/malma	0	**9**	3		3	3	**8**	3	1	4	C		C	T	G3	S3	1,2,3	a	1,2,3,4,5,6									T		21, 28, 29, 30, 31, 32	
2	AFCHB03010	Longfin smelt	Spirinchus thaleichthys	0	**7**	2	2	1	2	**8**	2	2	4	S3				G5	S3	2,3	b,c	4,6												
2	AFCJB06010	Lake chub	Couesius plumbeus	0	**8**	2	3	1	2	**4**	2	1	1	C		C		G5	S2	1	a	1,2,3,5							T				21	
2	AFCJB13030	Tui chub	Gila bicolor	0	**9**	2	3	1	3	**4**	2	1	1	S2				G4	S2													T	21	
2	AFCJB37050	Speckled dace	Rhinichthys osculus	0	**4**	1	0	2	1	**4**	2	1	1	S5				G5	S5										T	T		T	21	
2	AFCJB37110	Nooksack dace	Rhinichthys sp. 4	0	**4**	1	0	2	1	**3**	1	1	1	G3		M		G3	S4						T								21	
2	AFCJB37120	Umatilla dace	Rhinichthys umatilla	0	**9**	2	3	2	2	**3**	1	1	1	C		C		G4	S2	1	a	1,2,3						T	T				21	
2	AFCJC02030	Longnose sucker	Catostomus catostomus	0	**4**	1	0	2	1	**4**	2	1	1	S4				G5	S4													T	21	
2	AFCLC01020	Sand roller	Percopsis transmontana	0	**5**	1	1	2	1	**3**	1	1	1	M		M		G4	S3									T				T	21	
2	AFCMA01010	Burbot	Lota lota	0	**9**	3	2	2	2	**11**	3	3	5	S3				G5	S3											T			21	
2	AFCMA08010	Pacific cod (S&C Puget Sound)	Gadus macrocephalus	0	**12**	2	3	3	4	**10**	3	2	5	C		C	Co			1,2,3	b,c	4,6												SR 1997, MR 1998 (PS);2003 (coastal)
2	AFCMA10020	Pacific hake (C Puget Sound)	Merluccius productus	0	**12**	2	3	3	4	**8**	3	1	4	C		C	Co			1,2,3	b,c	4,6												SR 1997, MR 1998 (PS);2003, SR 2001
2	AFCMA14010	Walleye pollock (S. Puget Sound)	Theragra chalcogramma	0	**13**	3	3	3	4	**8**	3	1	4	C		C	Co			1,2,3	b,c	4,6												SR 1997, MR 1998 (PS);2003 (coastal)
2	AFCTB16080	Rock sole	Lepidopsetta bilineata	0	**8**	3	0	3	2	**6**	3	1	2							3	b,c	4,6												
2	AFCTB16100	English sole	Pleuronectes vetulus	0	**7**	3	0	3	1	**10**	3	3	4							3	b,c	4,6												
2	AFDEA07010	Dogfish shark	Squalus acanthias	0	**8**	2	0	2	4	**7**	3	1	3																					

CWCS SPECIES OF GREATEST CONSERVATION NEED

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Evo	ELCODE	COMMON NAME	SCIENTIFIC NAME	SGCN (179)	CRITERIA: Y-Axis (9.5)	Concerns: Threats	Concerns: Current status	Concerns: Socio-econ value	Concerns: Vulnerability	X-Axis (7.5)	Actions: Knowledge	Actions: Expenditures	Actions: Conservation measures in place	Status for Calculation	RANKING BIOLOGIST COMMENTS	WDFW Species Of Concern	ESA	NHP G-Rank	NHP S-Rank	PHS: Criteria	PHS: Area	PHS: Region	WDFW Game Plan	Ecoregions: NW Coast	Puget Trough	N Cascades	W Cascades	E Cascades	Okanogan	Can. Rockies	Blue Mountains	Columbia Plat.	WHROW HABITAT COMMENTS	MANAGEMENT/ RECOVERY/ STATUS REPORTS AND DATES
1	ICMAL05910	A cave obligate amphipod	Stygobromus elliotti	0	**7**	3	0	1	3	**3**	1	1	1	G1	Only occurs in WA. Mentioned in Grande Ronde subbasin plan.			G1	SU															
1	ICMALC2010	Dungeness crab	Cancer magister	0	**7**	2	0	3	2	**11**	3	3	5							2,3	b,c	4,6											28, 29, 30, 31	
1	ICMALC3010	Pandalid shrimp	Pandalus spp.	0	**9**	2	0	3	4	**10**	2	3	5							2,3	c	4,6											28, 29, 30, 31	
1	IDHYD06010	Polyorchis jellyfish	Polyorchis penicillatus	0	**7**	3	0	1	3	**4**	2	1	1												T								1	
1	IEECH11010	Red urchin	Strongylocentrotus franciscanus	0	**9**	3	0	3	3	**8**	1	2	5							3	c	4,6											28, 29, 30, 31	
1	IICLL04030	A springtail	Arrhopalites clarus	0	**0**		0			**1**	1			G2				G2																
1	IICOL6E090	Roth's blind ground beetle	Pterostichus rothi	0	**0**		0			**1**	1			G1	Not enough known to rank			G1						T										
1	IICOL6E170	Johnson's Waterfall carabid beetle	Pterostichus johnsoni	0	**0**					**0**																	T							
1	IICOL6E210	A ground beetle	Pterostichus inanis	0	**0**					**0**																	T							
1	IICOL6E220	A ground beetle	Pterostichus smetani	0	**0**					**0**																	T							
1	IICOL6L161	A ground beetle	Nebria vandykei vandykei	0	**0**					**0**					Endemic												T							
1	IICOL6L190	Mann's gazelle beetle	Nebria danmanni	0	**8**	3	0	1	4	**5**	1	1	3											T									9, 10	
1	IICOLB7070	A rove beetle	Quedius bakeri	0	**0**					**0**																	T							
1	IICOLB7080	A rove beetle	Quedius narada	0	**0**					**0**																	T							
1	IICOLB7090	A rove beetle	Quedius paradisi	0	**0**					**0**																	T							
1	IICOLB7100	A rove beetle	Quedius tahomae	0	**0**					**0**																	T							
1	IICOLW8010	Wood-borer beetle	Buprestis gibbsi	0	**0**		0			**1**	1				Not enough known to rank										T			T						
1	IICOLW9010	A rove beetle	Coryphium vandykei	0	**0**					**0**																	T							
1	IICOLX1010	A rove beetle	Gnathoryphium mandibulare	0	**0**					**0**																	T							
1	IICOLX2010	Wood-borer beetle	Oistus edmonstoni	0	**0**		0			**1**	1				Not enough known to rank										T									
1	IICOLX3010	A rove beetle	Subhaida rainieri	0	**0**					**0**																	T							
1	IICOLX4010	A rove beetle	Tachinus ovalis	0	**0**					**0**																	T							
1	IIEPH33360	A mayfly	Paraleptophlebia vaciva	0	**0**		0			**1**	1			G2				G2															21	
1	IIEPH43130	A mayfly	Epeorus hesperus	0	**0**		0			**1**	1			G2				G2															21	
1	IIEPH50120	A mayfly	Drunella pelosa	0	**0**		0			**1**	1			G2				G2															21	
1	IIEPH57030	A mayfly	Ametropus ammophilus	0	**0**		0			**1**	1			G2				G2															21	
1	IIHEM07020	Hairy shore bug	Saldula villosa	0	**0**		0			**1**	1			G3				G3						T										
1	IIHEM40090	Mirid bug	Ceratocapsus downesi	0	**0**		0			**1**	1														T									
1	IIHEM69010	Mirid bug	Clivenema fusca	0	**0**		0			**1**	1														T									
1	IIHEMF0010	Coreid bug	Coriomeris insularis	0	**0**		0			**1**	1														T									
1	IILEP04020	Silver-spotted skipper	Epargyreus clarus californicus	0	**8**	3	1	1	3	**4**	1	1	2	M		M		G5	S4														2, 11, 19, 23	
1	IILEP16020	Northern cloudy wing (western WA)	Thorybes pylades	0	**7**	3	1	1	2	**3**	1	1	1	M	M for western WA only.	M		G5	S3														2, 7, 14, 19, 23, 2 5	
1	IILEP37010	Dreamy duskywing (western WA)	Erynnis icelus	0	**8**	3	1	1	3	**3**	1	1	1	M		M		G5	S4														4, 5, 8, 14, 19, 23, 24, 25	
1	IILEP37110	Pacuvius (Dyar's) duskywing	Erynnis pacuvius lilius	0	**6**	2	1	1	2	**4**	1	1	2	M	Species is ceonothus-dependent	M		G5	S2														5, 7, 12	
1	IILEP37170	Persius duskywing (PT, Willapa)	Erynnis persius	0	**8**	3	1	1	3	**4**	1	1	2	M	M for Puget Trough and Willapa Hills populations only	M		G5	S5														9, 10, 11, 14	
1	IILEP38010	Grizzled skipper	Pyrgus centaureae	0	**7**	2	1	1	3	**3**	1	1	1	M		M		G5	S2							T			T				9, 10	
1	IILEP42011	Arctic skipper (western WA)	Carterocephalus palaemon mandar	0	**8**	3	1	1	3	**3**	1	1	1	M	Habitats listed for W WA only	M		G5	S3														11, 19, 22, 23, 28	
1	IILEP57020	Garita skipperling	Oarisma garita	0	**7**	2	1	1	3	**3**	1	1	1	M		M		G5	S2										T				4, 19, 22	
1	IILEP65020	Juba skipper (western WA)	Hesperia juba	0	**8**	3	1	1	3	**4**	1	1	2	M	M for western WA only.	M		G5	S5														11, 14, 15, 16, 17, 19	
1	IILEP65030	Common branded skipper	Hesperia comma	0	**0**		0			**2**	2			S5	one is this? (NW Coast - ask Jeff Lewis)			G5	S5					T		T								
1	IILEP65180	Nevada skipper	Hesperia nevada	0	**8**	3	1	1	3	**3**	1	1	1	M		M		G5	S2														9, 10, 15, 16	
1	IILEP66010	Peck's skipper	Polites peckius	0	**8**	3	1	1	3	**3**	1	1	1	M		M																	22, 24, 25	
1	IILEP66060	Tawny-edged skipper	Polites themistocles	0	**7**	2	1	1	3	**3**	1	1	1	M		M		G5	S2														22, 24, 25	
1	IILEP66080	Long dash skipper	Polites mystic	0	**8**	3	1	1	3	**3**	1	1	1	M		M		G5	S4														22, 24, 25	
1	IILEP66090	Sonora skipper	Polites sonora sonora	0	**7**	3	1	1	2	**4**	1	1	2	M		M		G4	S4														9, 15, 22, 24, 25	
1	IILEP72010	Bonneville skipper	Ochlodes sylvanoides bonneville	0	**7**	3	1	1	2	**3**	1	1	1	M		M		G5	S5														15, 16, 17, 19, 22, 25	
1	IILEP72011	Woodland skipper, coastal spp.	Ochlodes sylvanoides orecoastus	0	**8**	3	1	1	3	**3**	1	1	1	M		M		G5	S5					T									26, 27	
1	IILEP77100	Kiowa skipper	Euphyes vestris kiowah	0	**4**		4			**1**	1			S1	Not enough known to rank	M		G5	S1														22, 25	
1	IILEP77101	Dun skipper	Euphyes vestris vestris	0	**7**	3	1	1	2	**3**	1	1	1	M		M		G5	S3						T								11, 22	
1	IILEP80180	Roadside skipper	Amblycirtes vialis	0	**7**	3	1	1	2	**4**	1	1	2	M		M		G5	S4													T	5, 6, 7	
1	IILEP90020	Clodius parnassian	Parnassius clodius altaurus (gallatinus	0	**8**	3	1	1	3	**3**	1	1	1	M	Recommended inclusion M taxon	M		G5	SU														4, 8, 9, 14	
1	IILEP90054	Smintheus parnassian	Parnassius smintheus olympiannus	0	**7**	2	0	2	3	**5**	1	1	3	S4				G5	S4					T									9, 10	
1	IILEPA1020	Spring white	Pieris sysymbrii flavitincta	0	**6**	2	0	1	3	**4**	1	1	2	S4				G5	S4					T									8, 10 (WWA) 14, 15, 16, 25 (E WA)	
1	IILEPA8040	Western sulphur (Strait of Juan de Fuca)	Colias occidentalis occidentalis	0	**7**	3	0	1	3	**4**	1	1	2	G3	M for Straits of Juan de Fuca only.	M		G3	S5						T	T							11, 19, 27	
1	IILEPA8042	Intermountain sulphur	Colias occidentalis pseudochristina	0	**4**		4			**1**	1			S1				G3	S1														4, 9, 10	

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					CRITERIA														PHS				Ecoregions										
				179	9.5	Concerns				7.5	Actions																						
Evo	ELCODE	COMMON NAME	SCIENTIFIC NAME	SGCN	Y-Axis	Threats	Current status	Socio-econ value	Vulnerability	X-Axis	Knowledge	Expenditures	Conservation measures in place	Status for Calculation	RANKING BIOLOGIST COMMENTS	WDFW Species Of Concern	ESA	NHP G-Rank	NHP S-Rank	Criteria	Area	Region	WDFW Game Plan	NW Coast	Puget Trough	N Cascades	W Cascades	E Cascades	Okanogan	Can. Rockies	Blue Mountains	Columbia Plat.	WHROW HABITAT COMMENTS	MANAGEMENT/ RECOVERY/ STATUS REPORTS AND DATES
1	IILEPA8100	Arctic sulphur	Colias nastes streckeri	0	**8**	3	0	1	4	**4**	1	1	2	S4				G5	S4														9, 10	
1	IILEPC1020	Lustrous copper	Lycaena cuprea henryae	0	**9**	3	1	2	3	**3**	1	1	1	M	Scree slopes.	M		G5	S2							T							9, 10, scree slopes	
1	IILEPC1050	Edith's copper	Lycaena editha editha	0	**7**	3	1	1	2	**3**	1	1	1	M		M		G5	S4														5, 9, 24	
1	IILEPC1080	Ruddy copper	Lycaena rubida perkinsorum	0	**9**	3	1	2	3	**4**	1	1	2	M		M		G5	S4														7, 13, 15, 16, 19	
1	IILEPC1130	Purplish copper	Lycaena helloides	0	**4**	1	1	1	1	**6**	2	1	3	M		M		G5	S5														1, 2, 4-9, 11, 14, 19, 20, 22, 23, 25-28	
1	IILEPC1140	Nivalis copper	Lycaena nivalis brown	0	**7**	2	1	2	2	**5**	1	1	3	M		M		G5	S3					T									4, 5, 9, 14, 16	
1	IILEPD4010	Behr's hairstreak	Satyrium behrii columba	0	**7**	3	0	1	3	**3**	1	1	1	S4	Recommended addition. Okanogan EA . Purschia tridentata	M		G5	S4														16	
1	IILEPD4050	Sylvan hairstreak	Satyrium sylvinum sylvinum	0	**8**	3	1	1	3	**3**	1	1	1	M		M		G4	S4												T	T	14, 22, 25	
1	IILEPD4140	Coral hairstreak	Harkenclenus titus immaculosus	0	**6**	2	1	1	2	**4**	1	1	2	M		M		G5	S4														14, 19, 25	
1	IILEPE2050	Washington green hairstreak	Callophrys affinis washingtonia	0	**7**	3	1	1	2	**4**	1	1	2	M	lithosols	M		G5	S4														15, 16, 17	
1	IILEPE2070	Canyon green hairstreak	Callophrys sheridanii neoperplexa	0	**8**	3	1	1	3	**3**	1	1	1	M		M		G5	S3														9, 10, 14, 15, 16, 17	
1	IILEPE2080	Bramble green hairstreak	Callophrys dumetorum	0	**9**	3	1	1	4	**3**	1	1	1	M	Heath scrub	M			S2														1, 2, 5, 6, 7, 15, 19, heath scrub	
1	IILEPE2090	Thicket hairstreak	Mitoura spinetorum spinetorum	0	**9**	3	1	2	3	**3**	1	1	1	M		M		G5	S3														4, 5, 6, 7	
1	IILEPE2112	Arborvitae hairstreak	Mitoura grynea rosneri	0	**7**	3	1	1	2	**3**	1	1	1	M		M																	4, 5	
1	IILEPE2200	Moss elfin (western WA)	Incisalia mossii mossii	0	**9**	3	1	1	4	**3**	1	1	1	M	M for western WA only. Rock outcrops and cliffs.	M		G4	S3					T									1, 2, 4, 5, 7, 9, 11, 14, 15, 27, rock outcrops and cliffs	
1	IILEPE2250	Shelton pine elfin	Incisalia eryphon sheltonensis	0	**6**	2	1	1	2	**3**	1	1	1	M		M		G5	S3														2, 6, 11	
1	IILEPF9010	Eastern tailed blue	Everes comyntas comyntas	0	**3**		3			**1**	1			S2	Not enough known to rank	M		G5	S2										T			T	19, 25	
1	IILEPG501F	Anna's blue	Lycaeides anna ricei	0	**0**					**0**														T			T							
1	IILEPG6010	Greenish blue (Olympic Peninsula	Plebejus saepiolus (all ssp. In area)	0	**6**	2	0	1	3	**4**	1	1	2	S5				G5	S5					T									9, 10, 19, 22, 24, 25	
1	IILEPG8060	Acmon blue	Plebejus acmon spangelatus	0	**6**	2	0	1	3	**5**	1	1	3	S5				G5	S5					T									9, 10	
1	IILEPH0050	Mountain blue	Agriades glandon megalo	0						**0**														T										
1	IILEPJ6101	Egleis fritillary	Speyeria egleis mcdunnough	0	**8**	3	1	1	3	**3**	1	1	1	M		M		G5	S2														9, 10	
1	IILEPJ6102	Egleis fritillary	Speyeria egleis owen	0	**8**	3	1	1	3	**3**	1	1	1	M		M		G5	S2								T	T					9, 10	
1	IILEPJ6120	Hydaspe fritillary	Speyeria hydaspe rhodope	0	**1**		1			**1**	1			M	M for San Juans population only. Found throughout W WA.	M		G4	S4														1, 2, 9, 11, 22, 23, 24	
1	IILEPJ6130	Mormon fritillary	Speyeria mormonia washingtonia	0	**0**					**0**																	T	T						
1	IILEPJ7040	Meadow fritillary	Boloria bellona todd	0	**9**	3	1	1	4	**3**	1	1	1	M		M		G5	S2										T				8, 9, 10, 15, 19, 22, 24, 25	
1	IILEPJ7100	Freija fritillary	Boloria freija freija	0	**7**	2	1	1	3	**3**	1	1	1	M		M		G5	S2										T				9, 10	
1	IILEPJ7120	Astarte fritillary	Boloria astarte astarte	0	**8**	3	1	1	3	**4**	1	1	2	M		M		G5	S3							T			T				9, 10	
1	IILEPJ7140	Arctic fritillary	Boloria chariclea rainier	0	**5**	2	0	1	2	**5**	1	1	3	S5				G5	S5					T									4, 9, 10, 22, 24	
1	IILEPJ9160	Northern checkerspot	Chlosyne palla sterope	0	**0**					**0**																		T						
1	IILEPK3080	Pale crescent	Phyciodes pallidus barnes	0	**8**	2	2	1	3	**3**	1	1	1	S3				G5	S3														14, 15	
1	IILEPK3100	Pasco pearl crescent	Phyciodes cocyta pascoensis	0	**8**	3	1	1	3	**4**	1	1	2	M		M		G5	S4														14, 15, 16, 19, 22, 25	
1	IILEPK4032	Chalcedon checkerspot	Euphydryas chalcedona perdiccas	0	**7**	2	1	1	3	**5**	1	1	3	M	M for Puget Trough populations only, which are no longer recognized as this subspecies.	M		G5	S2					T									9, 10	
1	IILEPK4050	Edith's checkerspot	Euphydryas editha colonia	0	**5**	2	0	1	2	**5**	1	1	3	S5				G5	S5					T									9,10	
1	IILEPK4071	Hopfinger's checkerspot	Euphydryas anicia hopfingeri	0	**8**	3	1	1	3	**3**	1	1	1	M		M		G5	S5														7, 9, 14, 16, 25	
1	IILEPK5091	Oreas anglewing	Polygonia oreas threatful	0	**8**	3	1	1	3	**4**	1	1	2	M		M		G5	S3							T			T				1, 4, 9, 22, 23, 24, 25	
1	IILEPK6010	Compton tortoiseshell	Nymphalis vau-album watson	0	**8**	3	1	2	2	**3**	1	1	1	M		M		G5	S3							T					T		4, 5, 8, 14, 23, 25	
1	IILEPK7010	American painted lady	Vanessa virginiensis	0	**7**	2	1	2	2	**5**	2	1	2	M	Vagrant, emigrant	M		G5	SZ								T	T					14, 15, 16, 19, 26	
1	IILEPL3020	Viceroy	Limenitis archippus lahontan	0	**9**	3	1	2	3	**4**	2	1	1	M		M		G5	S4										T				14, 19, 22, 25	
1	IILEPN6038	Vancouver ringlet	Coenonympha tullia insulana	0	**7**	3	1	1	2	**5**	2	1	2	M		M		G3	S3					T									11, 19	
1	IILEPN8010	Vidler's alpine	Erebia vidleri	0	**7**	2	2	1	2	**4**	1	1	2	S3				G4	S3					T		T							4, 9, 10	
1	IILEPP1045	Chryxus arctic	Oeneis chryxus valerata	0	**7**	2	1	1	3	**3**	1	1	1	M		M		G5	S2					T									9, 10	
1	IILEPP1100	Melissa arctic	Oeneis melissa beanii	0	**7**	2	1	1	3	**3**	1	1	1	M		M		G5	S2							T			T				9, 10	
1	IILEPP2010	Monarch	Danaus plexippus	0	**8**	3	0	3	2	**4**	2	1	1	S4				G4	S4														14, 15, 19, 25	
1	IILEX13030	Clark's sphinx moth	Proserpinus clarkiae	0	**0**		0			**1**	1				Not enough known to rank										T									
1	IILEY89400	An underwing moth	Catocala allusa	0	**0**		0			**1**	1			G4	Not enough known to rank			G4	SU						T									
1	IIODO26060	Western river cruiser	Macromia magnifica	0	**9**	2	2	2	3	**3**	1	1	1	S3	Recommended deletion.			G4	S3										T				21	
1	IIODO65010	River jewelwing	Calopteryx aequabilis	0	**6**	2	0	2	2	**3**	1	1	1	S4				G5	S4						T								21, 22	
1	IIODO71290	Alkali bluet	Enallagma clausum	0	**8**	3	0	2	3	**3**	1	1	1	S4	Recommended inclusion.			G5	S4															
1	IIORT08020	An ice cricket	Grylloblatta chirugica	0	**0**					**0**																		T						
1	IIORTF1010	Olympic grasshopper	Nisquallia olympica	0	**8**	3	0	1	4	**5**	1	1	3	G1				G1						T									9, 10	
1	IIPLE0G030	A stonefly	Megaleuctra kincaidi	0	**0**		0			**1**	1			G2				G2															21	
1	IIPLE0G050	A stonefly	Megaleuctra stigmata	0	**0**		0			**1**	1			G2				G2															21	
1	IIPLE0J110	A stonefly	Malenka wenatchee	0	**0**		0			**1**	1			G2				G2															21	

CWCS SPECIES OF GREATEST CONSERVATION NEED

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					CRITERIA																										
				179	9.5	Concerns				7.5	Actions								PHS				Ecoregions								
Evo	ELCODE	COMMON NAME	SCIENTIFIC NAME	SGCN	Y-Axis	Threats	Current status	Socio-econ value	Vulnerability	X-Axis	Knowledge	Expenditures	Conservation measures in place	Status for Calculation	RANKING BIOLOGIST COMMENTS	WDFW Species Of Concern	ESA	NHP G-Rank	NHP S-Rank	Criteria	Area	Region	WDFW Game Plan	NW Coast	Puget Trough	N Cascades	W Cascades	E Cascades	Okanogan	Can. Rockies	Blue Mountains	Columbia Plat.	WHROW HABITAT COMMENTS	MANAGEMENT/ RECOVERY/ STATUS REPORTS AND DATES
1	IIPLE0K010	Meltwater lednian stonefly	Lednia tumana	0	**4**		4			**1**	1			S1				G1	S1														21	
1	IIPLE1B020	A stonefly	Kathroperla takhoma	0	**0**		0			**1**	1			G2				G2															21	
1	IIPLE1G020	Fender's soliperlan stonefly	Soliperla fenderi	0	**4**		4			**3**	1	1	1	S1			Co	G2	S1														21	
1	IIPLE24480	A stonefly	Isoperla raineri	0	**0**		0			**1**	1			G2				G2															21	
1	IIPLE27050	A stonefly	Megarcys yosemite	0	**0**		0			**1**	1			G2				G2															21	
1	IITRI19040	Fender's rhyacophilan caddisfly	Rhyacophila fender	0	**0**		0			**1**	1														T								21	
1	IITRI2A020	Vertrees' ceraclean caddisfly	Ceraclea vertreesi	0	**0**		0			**1**	1														T								21	
1	IITRI9050	Haddock's rhyacophilan caddisfly	Rhyacophila haddocki	0	**0**		0			**1**	1			G1				G1						T									21	
1	ILACA11010	A cave obligate mite	Elliotta howarth	0	**7**	3	0	1	3	**3**	1	1	1	G1	WA, ID. Mentioned in Grande Ronde subbasin plan.			G1	SU															
1	IMBIV60010	Native mussel	Mytilus trossulus	0	**10**	4	0	3	3	**8**	3	2	3																				28, 30	
1	IMBIV61010	Littleneck clam	Protothaca staminea	0	**7**	2	0	3	2	**9**	2	3	4							2,3	c	4,8											28, 30	
1	IMBIV62010	Butter clam	Saxidomus giganteus	0	**7**	2	0	3	2	**9**	2	3	4							2,3	c	4,7											28, 30	
1	IMBIV63010	Razor clam	Siliqua patula	0	**9**	3	0	3	3	**10**	3	3	4							2,3	c	6											26	
1	IMBIV64010	Rock scallop	Crassedoma giganteum	0	**5**	1	0	3	1	**7**	2	2	3												T								28, 29, 30	
1	IMBIVA1020	Geoduck clam	Panopea abrupta	0	**9**	3	0	3	3	**9**	2	3	4							2,3	c	4,6											28, 29, 30	
1	IMBIVB9030	Olympia oyster	Ostrea conchaphila	0	**13**	4	3	3	3	**8**	1	3	4	C		C				1,2,3	a,c	6			T								28, 30	
1	IMGAS20040	Pacific vertigo	Vertigo andrusiana	0	**8**	3	0	1	4	**3**	1	1	1	G1	Records also from BC to OR, not much known			G1															1	
1	IMGAS21020	Western flat-whorl	Planogyra clappi	0	**6**	3	0	1	2	**4**	2	1	1	G3	Shown to decline in logged habitats (Ovaska and Sopuck, 2001)			G3															1	
1	IMGAS59010	Keeled jumping-slug	Hemphillia burrington	0	**7**	2	0	2	3	**3**	1	1	1	G1				G1						T									1	
1	IMGAS59050	Warty jumping-slug	Hemphillia glandulosa	0	**7**	2	0	2	3	**4**	2	1	1	G2				G2						T	T								1	
1	IMGAS59060	Malone jumping-slug	Hemphillipa malonei	0	**0**		0			**0**				G2				G2						T										
1	IMGAS59070	Panther jumping-slug	Hemphillia pantherina	0	**0**					**0**																	T							
1	IMGAS80010	Northern tightcoil	Pristiloma arcticum	0	**9**	3	0	1	5	**4**	2	1	1	G2	(crenophilic). Only 3 localities known from WA (Burke et al., 1999)			G2															1	
1	IMGAS80050	Broadwhorl tightcoil	Pristiloma johnsoni	0	**7**	3	0	1	3	**3**	1	1	1	G2				G2															1	
1	IMGAS80140	Shiny tightcoil	Pristiloma wascoense	0	**8**	3	0	1	4	**3**	1	1	1	G2	Blue Mountains. Records also from ID and OR, not much known			G2															5	
1	IMGAS87020	Evening fieldslug	Deroceras hesperium	0	**7**	3	0	1	3	**3**	1	1	1	G1	Swamps or seeps, usually containing skunk cabbage			G1						T	T								23	
1	IMGAS93010	Puget oregonian (snail)	Cryptomastix devia	0	**9**	4	0	2	3	**4**	2	1	1	G2	talus, and Chelan Co. and Wenatchee Ranger District.			G2						T	T								1, 14	
1	IMGASB5840	Chelan mountainsnail	Oreohelix sp. 1	0	**0**					**0**																		T						
1	IMGASE5020	Glossy valvata	Valvata humeralis	0	**3**		3			**1**	1			S2				G5	S2														21	
1	IMGASE5040	Ramshorn valvata	Valvata mergella	0	**0**		0			**1**	1			G2				G2						T									21	
1	IMGASE5080	Threeridge valvata	Valvata tricarinata	0	**4**		4			**1**	1			S1				G5	S1														21	
1	IMGASF4270	Columbia duskysnail	Lyogyrus sp. 4	0	**0**		0			**1**	1														T								21	
1	IMGASG3040	Giant Columbia spire snail	Fluminicola columbiana	0	**3**		3			**1**	1			S2		C	Co	G2	S2	1,2	a	1,2,3			T							T	21	
1	IMGASG3130	Olympia pebblesnail	Fluminicola virens	0	**0**		0			**1**	1			G2				G2						T									21	
1	IMGASK4020	Bulb juga (snail)	Juga bulbosa	0	**0**		0			**1**	1																					T	21	
1	IMGASK4032	Dalles juga	Juga hemphilli dallesensis	0	**0**					**0**																	T	T						
1	IMGASK4033	Barren juga	Juga hemphilli hemphill	0	**4**		4			**1**	1			S1				G2	S1						T								21	
1	IMGASK4100	Basalt juga	Juga (Oreobasis) sp. 1	0	**0**					**0**																	T	T						
1	IMGASL5210	Widelip pondsnail	Stagnicola traski	0	**4**		4			**1**	1			S1				G2	S1														21	
1	IMGASL6010	Giant Columbia River limpet	Fisherola nuttall	0	**3**		3			**1**	1			S2		C		G2	S2	1,2	a	1,2,3			T							T	21	RP 1995f (Snake River)
1	IMGASM0060	Rotund physa	Physella columbiana	0	**0**		0			**1**	1			G2				G2							T								21	
1	IMGASM0080	Olive physa	Physella cooperi	0	**4**		4			**1**	1			S1				G3	S1														21	
1	IMGASM0150	Grain physa	Physella hordacea	0	**4**		4			**1**	1			S1				G1	S1														21	
1	IMGASM0190	Twisted physa	Physella lordi	0	**4**		4			**1**	1			S1				G5	S1														21	
1	IMGASM0310	Sunset physa	Physella virginea	0	**0**		0			**1**	1			G2				G2															21	
1	IMGASM5020	Star gyro	Gyraulus crista	0	**4**		4			**1**	1			S1				G5	S1														21	
1	IMGASN0030	Coarse rams-horn	Planorbella binney	0	**4**		4			**1**	1			S1				G4	S1														21	
1	IMGASN1010	Sharp sprite	Promenetus exacuous	0	**4**		4			**1**	1			S1				G5	S1														21	
1	IMGASN1020	Umbilicate sprite	Promenetus umbilicatellus	0	**3**		3			**1**	1			S2				G4	S2														21	
1	IMGASR3010	Newcomb's littorine snail	Algamorda newcombiana	0	**4**		4			**1**	1			S1		C	Co	G1	S1	1,2	a	6		T									21	MR 1995, RP 2004f
1	IMGASV2040	Northern abalone	Haliotis kamtschatkana	0	**16**	5	3	3	5	**9**	2	3	4	C		C				1,2,3	a	4,6			T								28, 29, 30, 31	
1	IMGASX0010	Pristine springsnail	Pristinicola hemphill	0	**0**		0			**1**	1																					T	21	

APPENDIX 2:

CWCS SALMONIDS OF GREATEST CONSERVATION NEED

BY GDU (Genetic Diversity Unit)

09/12/2005

			CRITERIA										STATUS			
		14	11.5	Conservation Concerns				7.5	Conservation Actions							
COMMON NAME (Genetic Diversity Unit)	**SCIENTIFIC NAME**	**SGCN**	**Y-Axis**	Threats	Current risk	Socio-economic value	Vulnerability	**X-Axis**	Knowledge	Expenditures	Conservation measures in	WDFW Species Of Concern	WNHP	ESA	**WHROW HABITAT COMMENTS**
Ozette Sockeye	Oncorhynchus nerka	1	**16**	3	5	3	5	**4**	2	1	1	C	G5/T2	T	21
Lower Dungeness Pink Salmon	Oncorhynchus gorbuscha	1	**16**	5	3	3	5	**5**	3	1	1		S2		21, 28, 29, 30, 31, 32
Upper Dungeness Pink Salmon	Oncorhynchus gorbuscha	1	**16**	5	3	3	5	**5**	3	1	1		S2		21, 28, 29, 30, 31, 32
Mid-Columbia Steelhead	Oncorhynchus mykiss	1	**16**	5	5	3	3	**6**	2	1	3	C	G5/T2	T	21, 28, 29, 30, 31, 32
Snake River Steelhead	Oncorhynchus mykiss	1	**16**	5	5	3	3	**6**	2	1	3	C	G5/T2	T	21, 28, 29, 30, 31, 32
Upper Columbia Steelhead	Oncorhynchus mykiss	1	**16**	5	5	3	3	**6**	2	1	3	C	G5/T2	E	21, 28, 29, 30, 31, 32
Mid-Columbia Coho	Oncorhynchus kisutch	1	**16**	5	5	3	3	**7**	3	2	2		G4		21, 28, 29, 30, 31, 32
Yakima Steelhead	Oncorhynchus mykiss	1	**16**	5	5	3	3	**7**	3	1	3		G5/T2		21, 28, 29, 30, 31, 32
Lower Columbia Steelhead	Oncorhynchus mykiss	1	**15**	4	5	3	3	**6**	2	1	3	C	G5/T2	T	21, 28, 29, 30, 31, 32
Lake Pleasant Sockeye	Oncorhynchus nerka	1	**14**	3	3	3	5	**3**	1	1	1		G5/T3		21
Lower Columbia Coho	Oncorhynchus kisutch	1	**14**	3	5	3	3	**6**	3	1	2		G4/T2	C	21, 28, 29, 30, 31, 32
South Puget Sound Steelhead	Oncorhynchus mykiss	1	**14**	4	4	3	3	**6**	2	1	3		S5		21, 28, 29, 30, 31, 32
North Puget Sound Steelhead	Oncorhynchus mykiss	1	**13**	3	4	3	3	**6**	2	1	3		S5		21, 28, 29, 30, 31, 32
Upper Columbia Fall Chinook	Oncorhynchus tshawytscha	1	**13**	4	3	3	3	**7**	2	2	3		G5/T1		21, 28, 29, 30, 31, 32
Below Bonneville Fall Chum	Oncorhynchus keta	0	**18**	5	5	3	5	**8**	3	2	3	C		T	21, 28, 29, 30, 31, 32
Grays River Fall Chum	Oncorhynchus keta	0	**18**	5	5	3	5	**8**	3	2	3			T	21, 28, 29, 30, 31, 32
Eastern Strait of Juan de Fuca Fall Chinook	Oncorhynchus tschawytscha	0	**16**	5	5	3	3	**8**	3	2	3			T	21, 28, 29, 30, 31, 32
Lower Columbia Tule Fall Chinook	Oncorhynchus tschawytscha	0	**16**	5	5	3	3	**8**	3	2	3	C		T	21, 28, 29, 30, 31, 32
Mid- and Lower Columbia Spring Chinook	Oncorhynchus tschawytscha	0	**16**	5	5	3	3	**8**	3	2	3	C		T	21, 28, 29, 30, 31, 32
Mid-Columbia Tule Fall Chinook	Oncorhynchus tschawytscha	0	**16**	5	5	3	3	**8**	3	2	3				21, 28, 29, 30, 31, 32
North Fork Nooksack Spring Chinook	Oncorhynchus tschawytscha	0	**16**	5	5	3	3	**8**	3	2	3			T	21, 28, 29, 30, 31, 32
S Puget Snd, Hood Canal & Snohomish Chinook	Oncorhynchus tschawytscha	0	**16**	5	5	3	3	**8**	3	2	3			T	21, 28, 29, 30, 31, 32
Snake River Spring Chinook	Oncorhynchus tschawytscha	0	**16**	5	5	3	3	**8**	3	2	3	C		T	21, 28, 29, 30, 31, 32
South Fork Nooksack Spring Chinook	Oncorhynchus tschawytscha	0	**16**	5	5	3	3	**8**	3	2	3			T	21, 28, 29, 30, 31, 32
South Puget Sound Spring Chinook	Oncorhynchus tschawytscha	0	**16**	5	5	3	3	**8**	3	2	3	C		T	21, 28, 29, 30, 31, 32

CWCS SALMONIDS OF GREATEST CONSERVATION NEED

BY GDU (Genetic Diversity Unit)

09/12/2005

			CRITERIA									STATUS			
		14	11.5	Conservation Concerns				7.5	Conservation Actions						
COMMON NAME (Genetic Diversity Unit)	**SCIENTIFIC NAME**	**SGCN**	**Y-Axis**	Threats	Current risk	Socio-economic value	Vulnerability	**X-Axis**	Knowledge	Expenditures	Conservation measures in	WDFW Species Of Concern	WNHP	ESA	**WHROW HABITAT COMMENTS**
Stillaguamish & Skagit Chinook	Oncorhynchus tschawytscha	0	**16**	5	5	3	3	**8**	3	2	3			T	21, 28, 29, 30, 31, 32
Upper Columbia Spring Chinook	Oncorhynchus tschawytscha	0	**16**	5	5	3	3	**8**	3	2	3	C		E	21, 28, 29, 30, 31, 32
Mid-Columbia and Snake Fall Chinook	Oncorhynchus tschawytscha	0	**15**	4	5	3	3	**8**	3	2	3	C		T	21, 28, 29, 30, 31, 32
Discovery Bay/Sequim Bay Summer Chum	Oncorhynchus keta	0	**14**	3	5	3	3	**8**	3	2	3			T	21, 28, 29, 30, 31, 32
Hood Canal Summer Chum	Oncorhynchus keta	0	**14**	3	5	3	3	**8**	3	2	3	C		T	21, 28, 29, 30, 31, 32
Okanogan Sockeye	Oncorhynchus nerka	0	**14**	5	1	3	5	**8**	3	2	3				21, 28, 29, 30, 31, 32
Strait of Juan de Fuca Summer Chum	Oncorhynchus keta	0	**14**	3	5	3	3	**8**	3	2	3			T	21, 28, 29, 30, 31, 32
Wenatchee Sockeye	Oncorhynchus nerka	0	**14**	5	1	3	5	**8**	3	2	3				21, 28, 29, 30, 31, 32
Chehalis Spring Chinook	Oncorhynchus tschawytscha	0	**12**	3	3	3	3	**8**	3	2	3				21, 28, 29, 30, 31, 32
Lk Washington Beach Spawners Sockeye	Oncorhynchus nerka	0	**12**	3	3	3	3	**8**	3	2	3				21, 28, 29, 30, 31, 32
North Coast Spring Chinook	Oncorhynchus tschawytscha	0	**12**	3	3	3	3	**8**	3	2	3				21, 28, 29, 30, 31, 32
Strait of Juan de Fuca Fall Chum	Oncorhynchus keta	0	**12**	3	3	3	3	**8**	3	2	3				21, 28, 29, 30, 31, 32
Western Strait of Juan de Fuca Fall Chinook	Oncorhynchus tschawytscha	0	**12**	3	3	3	3	**8**	3	2	3				21, 28, 29, 30, 31, 32
Lower Columbia Bright Fall Chinook	Oncorhynchus tschawytscha	0	**11**	4	1	3	3	**8**	3	2	3	C		T	21, 28, 29, 30, 31, 32
South Coast Fall Chinook	Oncorhynchus tschawytscha	0	**11**	3	2	3	3	**8**	3	2	3				21, 28, 29, 30, 31, 32
Upper Columbia Summer Chinook	Oncorhynchus tschawytscha	0	**11**	4	1	3	3	**10**	3	2	5				21, 28, 29, 30, 31, 32
Southwest Washington Steelhead	Oncorhynchus mykiss	0	**10**	2	2	3	3	**6**	2	1	3				21, 28, 29, 30, 31, 32
North Coast Steelhead	Oncorhynchus mykiss	0	**10**	1	3	3	3	**7**	3	1	3				21, 28, 29, 30, 31, 32
Baker Sockeye	Oncorhynchus nerka	0	**10**	3	1	3	3	**8**	3	2	3				21, 28, 29, 30, 31, 32
Central Puget Sound Fall Chum	Oncorhynchus keta	0	**10**	3	1	3	3	**8**	3	2	3				21, 28, 29, 30, 31, 32
Central/South Puget Sound Fall Chum	Oncorhynchus keta	0	**10**	3	1	3	3	**8**	3	2	3				21, 28, 29, 30, 31, 32
Fraser Fall Chum	Oncorhynchus keta	0	**10**	3	1	3	3	**8**	3	2	3				21, 28, 29, 30, 31, 32
Hood Canal Fall Chum	Oncorhynchus keta	0	**10**	3	1	3	3	**8**	3	2	3				21, 28, 29, 30, 31, 32
Hood Canal Pink Salmon	Oncorhynchus gorbuscha	0	**10**	3	1	3	3	**8**	3	2	3				21, 28, 29, 30, 31, 32
Lk Washington River Spawners Sockeye	Oncorhynchus nerka	0	**10**	3	1	3	3	**8**	3	2	3				21, 28, 29, 30, 31, 32
Nisqually Pink Salmon	Oncorhynchus gorbuscha	0	**10**	3	1	3	3	**8**	3	2	3				21, 28, 29, 30, 31, 32

CWCS SALMONIDS OF GREATEST CONSERVATION NEED

BY GDU (Genetic Diversity Unit)

09/12/2005

			CRITERIA									STATUS			
		14	11.5	Conservation Concerns				7.5	Conservation Actions						
COMMON NAME (Genetic Diversity Unit)	**SCIENTIFIC NAME**	**SGCN**	**Y-Axis**	Threats	Current risk	Socio-economic value	Vulnerability	**X-Axis**	Knowledge	Expenditures	Conservation measures in	WDFW Species Of Concern	WNHP	ESA	**WHROW HABITAT COMMENTS**
Nooksack Pink Salmon	Oncorhynchus gorbuscha	0	**10**	3	1	3	3	**8**	3	2	3				21, 28, 29, 30, 31, 32
North Puget Sound Fall Chum	Oncorhynchus keta	0	**10**	3	1	3	3	**8**	3	2	3				21, 28, 29, 30, 31, 32
North Puget Sound Pink Salmon	Oncorhynchus gorbuscha	0	**10**	3	1	3	3	**8**	3	2	3				21, 28, 29, 30, 31, 32
Puyallup Pink Salmon	Oncorhynchus gorbuscha	0	**10**	3	1	3	3	**8**	3	2	3				21, 28, 29, 30, 31, 32
Quinault Sockeye	Oncorhynchus nerka	0	**10**	3	1	3	3	**8**	3	2	3				21, 28, 29, 30, 31, 32
Snohomish Even-Year Pink Salmon	Oncorhynchus gorbuscha	0	**10**	3	1	3	3	**8**	3	2	3				21, 28, 29, 30, 31, 32
South Coast Fall Chum	Oncorhynchus keta	0	**10**	3	1	3	3	**8**	3	2	3				21, 28, 29, 30, 31, 32
South Puget Sound Summer Chum	Oncorhynchus keta	0	**10**	3	1	3	3	**8**	3	2	3				21, 28, 29, 30, 31, 32
South Puget Sound Winter Chum	Oncorhynchus keta	0	**10**	3	1	3	3	**8**	3	2	3				21, 28, 29, 30, 31, 32
North Coast Fall Chum	Oncorhynchus keta	0	**9**	3	0	3	3	**3**	1	1	1				21, 28, 29, 30, 31, 32
Fraser Coho	Oncorhynchus kisutch	0	**9**	2	1	3	3	**7**	2	2	3				21, 28, 29, 30, 31, 32
North Coast Fall Chinook	Oncorhynchus tschawytscha	0	**9**	2	1	3	3	**7**	2	2	3				21, 28, 29, 30, 31, 32
Hood Canal Coho	Oncorhynchus kisutch	0	**9**	2	1	3	3	**8**	3	2	3				21, 28, 29, 30, 31, 32
North Coast Coho	Oncorhynchus kisutch	0	**9**	2	1	3	3	**8**	3	2	3				21, 28, 29, 30, 31, 32
North Puget Sound Coho	Oncorhynchus kisutch	0	**9**	2	1	3	3	**8**	3	2	3			C	21, 28, 29, 30, 31, 32
South Coast Coho	Oncorhynchus kisutch	0	**9**	2	1	3	3	**8**	3	2	3				21, 28, 29, 30, 31, 32
South Puget Sound Coho	Oncorhynchus kisutch	0	**9**	2	1	3	3	**8**	3	2	3			C	21, 28, 29, 30, 31, 32
Strait of Juan de Fuca Coho	Oncorhynchus kisutch	0	**9**	2	1	3	3	**8**	3	2	3				21, 28, 29, 30, 31, 32

APPENDIX 3: CRITERIA FOR RANKING SPECIES OF GREATEST CONSERVATION NEED

WASHINGTON CWCS SPECIES RANKING CRITERIA

FACTOR	CRITERIA	NOTES
CONSERVATION CONCERNS – The HIGHER the score, the HIGHER the priority		
THREATS	Number of threats Irreversibility, immediacy of threats **Rank 1 through 5** 1 = Low threat 3 = Medium threat 5 = High threat **Threats are to be considered for WA only unless species is migratory and has a known limiting factor outside the state.**	**Threats are defined as human-caused impacts.** WA state actions may not be restricted to addressing threats within the state. For example, funds might be used to attend international conferences for the conservation of a particular species. A species with different threats in different regions can be treated as different species in the matrix, i.e. western meadowlark (westside) and western meadowlark (eastside)
CURRENT STATUS	Degree of concern (WDFW listings, NHP global and state rankings). **Automatically calculated** in spreadsheet using assigned values for each rank. WDFW: E 3, T 3, S 2, C 2, M 1 NHP: G1 3, G2 3, G3 2, G4 1, G5 0, S1 3, S2 3, S3 2, S4 1, S5 0	Where a species has dual rankings, the ranking of highest concern was chosen for consideration. Number values for each rank were assigned by expert judgment. Species with too little information for ranking (i.e. GU or SU) were not assigned a value. Expert judgment will be needed on a species-by-species basis. **Rank 1 through 3** 1 = Low status 2 = Medium status 3 = High status
SOCIO/ ECONOMIC VALUE	**Rank 1 through 3** 1 = Low value 2 = Medium value 3 = High value	Cultural icon (i.e. tribal) Commercial/game species Non-consumptive recreational Flagship species Keystone species Indicator species
VULNERABLE	**Rank 1 through 5** 1 = Low vulnerability 3 = Medium vulnerability 5 = High vulnerability	**Vulnerability is defined through elements of life history.** Reproductive mechanisms Scale of endemism Specialist Restricted distribution Peripheral range (breeding vs. non)

FACTOR	CRITERIA	NOTES
CONSERVATION ACTIONS – The LOWER the score, the HIGHER the priority		
KNOWLEDGE	**Adequate knowledge to manage species in the state of Washington.** 1 = Low knowledge in WA 2 = Medium knowledge in WA 3 = High knowledge in WA	Knowledge of species applicable to Washington populations. Example: Consider ecological relationships, limiting factors, population dynamics.
EXPENDITURES	**Non-SWG sources of funding available or being used** 1 = Inadequate 2 = Partly adequate 3 = Mostly adequate	Based on what you know, give us your opinion. Example: 1 = <$50K 2 = $50K - $500K 3 = >$500K
ADEQUACY OF CONSERVATION MEASURES IN PLACE	**Amount of current protection related to species need:** 1 = Inadequate 3 = Partly adequate 5 = Mostly adequate	Consider the following: Regulation Planning efforts Acquisition Easement Population manipulation Enforcement/compliance Education Community involvement/concern Mitigation

EXAMPLE of Conservation Measures for the spotted owl: **Resulting score would be a 3.**

CONSERVATION MEASURES	INADEQUATE	PARTLY ADEQUATE	MOSTLY ADEQUATE
Regulation		x	
Planning efforts		x	
Acquisition		x	
Easement		--	
Population manipulation	x		
Enforcement/compliance	x		
Education		x	
Community involvement/concern		x	
Mitigation	x		

APPENDIX 9: SGCN STATUS AND TREND CHECKLIST

09/12/2005

			Population Size/Status						Population Trend				State Status									
TYPE	COMMON NAME	SCIENTIFIC NAME	Extirpated	Critical	Low	Medium	Abundant	Unknown	Declining	Stable	Increasing	Unknown	Endangered	Threatened	Sensitive	Candidate	Monitor	Game	Commercial	None	WNHP	NOTES
Mammal	Preble's shrew	Sorex preblei	?		?			x				x								x	S1	Extirpated?
Mammal	Merriam's shrew	Sorex merriami			x							x				x					S3	
Mammal	Keen's myotis	Myotis keeni						x				x				x					S1	
Mammal	Pallid Townsend's big-eared bat	Corynorhinus townsendii pallascens			x							x				x					S3	
Mammal	Pacific Townsend's big-eared bat	Corynorhinus townsendii townsendii			x							x				x					S3	
Mammal	White-tailed jackrabbit	Lepus townsendii			x				x							x					S2	
Mammal	Black-tailed jackrabbit	Lepus californicus			x				x							x					S2	
Mammal	Pygmy rabbit	Brachylagus idahoensis	?	x					x				x								S1	None in wild; captive population only.
Mammal	Olympic marmot	Marmota olympus			x							x								x	S3	
Mammal	Townsend's ground squirrel ssp.	Spermophilus townsendii townsendii			x				x							x					S3	
Mammal	Washington ground squirrel	Spermophilus washingtoni			x				x							x					S2	
Mammal	Townsend's ground squirrel ssp.	Spermophilus townsendii nancyae			x							x								x	S2	
Mammal	Western gray squirrel	Sciurus griseus			x				x					x							S2	
Mammal	Brush Prairie pocket gopher	Thomomys talpoides douglasi			x							x				x					S2	
Mammal	Mazama (western) pocket gopher	Thomomys mazama			x				x							x					S2	
Mammal	Kincaid meadow vole	Microtus pennsylvanicus kincaidi			x							x					x				S2	
Mammal	Shaw Island Townsend's vole	Microtus townsendii pugeti			x							x								x	S1	
Mammal	Gray-tailed vole	Microtus canicaudus			x							x				x					S2	
Mammal	Killer whale	Orcinus orca			x				x				x								S1	
Mammal	Pacific harbor porpoise	Phocoena phocoena			x							x				x					G4	
Mammal	Gray wolf	Canis lupus	?									x	x								S1	Extirpated?
Mammal	Grizzly bear	Ursus arctos		x							x		x								S1	
Mammal	Steller sea lion	Eumetopias jubatus			x				x					x							S2	
Mammal	Marten (Coastal population)	Martes americana			x				x									x			S4	
Mammal	Fisher	Martes pennanti pacifica	x							x			x								SH	
Mammal	Wolverine	Gulo gulo		x						x						x					S1	
Mammal	American badger	Taxidea taxus			x				x									x			S4	

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			Population Size/Status						Population Trend				State Status									
TYPE	**COMMON NAME**	**SCIENTIFIC NAME**	Extirpated	Critical	Low	Medium	Abundant	Unknown	Declining	Stable	Increasing	Unknown	Endangered	Threatened	Sensitive	Candidate	Monitor	Game	Commercial	None	WNHP	**NOTES**
Mammal	Sea otter	Enhydra lutris			x						x		x								S2	
Mammal	Lynx	Lynx canadensis			x							x		x							S1	
Mammal	Elk (Nooksack herd, mixed)	C.e. nelsoni, roosevelti			x				x									x			S5	
Mammal	Columbian white-tailed deer	Odocoileus virginianus leucurus			x						x		x								S1	
Mammal	Woodland caribou	Rangifer tarandus		x					x				x								S1	
Mammal	Pronghorn antelope	Antilocapra americana	x							x								x			SH	Possible future reintroduction.
Bird	Common loon	Gavia immer			x					x					x						S2	
Bird	Western grebe	Aechmophorus occidentalis			x				x							x					S3	
Bird	American white pelican	Pelecanus erythrorhynchos			x						x		x								S1	
Bird	Great blue heron	Ardea herodias			x							x					x				S4	
Bird	Trumpeter swan	Cygnus buccinator			x						x							x			S3	
Bird	Tule greater white-fronted goose	Anser albifrons gambelli			x							x						x			S3	No surveys during migration.
Bird	Pacific black brant	Branta bernicla			x				x									x			S3	Migration areas not known in detail.
Bird	Northern pintail	Anas acuta					x		x									x			S3	
Bird	Redhead	Aythya americana			x					x								x			S3	Management concern.
Bird	Greater scaup	Aythya marila				x												x			S5	Management concern.
Bird	Lesser scaup	Aythya affinis				x			x									x			S4	Management concern.
Bird	Long-tailed duck	Clangula hyemalis			x				x											x	S3	Management concern.
Bird	Black scoter	Melanitta nigra			x				x									x			S4	Management concern.
Bird	Surf scoter	Melanitta perspicillata				x			x									x			S3	
Bird	White-winged scoter	Melanitta fusca			x				x									x			S5	Management concern.
Bird	Bald eagle	Haliaeetus leucocephalus				x					x			x							S4	
Bird	Northern goshawk	Accipiter gentilis			x							x				x					S3	
Bird	Ferruginous hawk	Buteo regalis			x				x					x							S2	
Bird	Golden eagle	Aquila chrysaetos			x							x				x					S3	
Bird	Peregrine falcon	Falco peregrinus			x						x				x						S2	
Bird	Prairie falcon	Falco mexicanus			x							x					x				S3	
Bird	Greater sage-grouse	Centrocercus urophasianus			x					x				x							S1	

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			Population Size/Status						Population Trend				State Status									
TYPE	**COMMON NAME**	**SCIENTIFIC NAME**	Extirpated	Critical	Low	Medium	Abundant	Unknown	Declining	Stable	Increasing	Unknown	Endangered	Threatened	Sensitive	Candidate	Monitor	Game	Commercial	None	WNHP	**NOTES**
Bird	Sharp-tailed grouse	Tympanuchus phasianellus			x				x					x							S2	
Bird	Mountain quail	Oreortyx pictus			x							x						x			S1	
Bird	Sandhill crane (greater)	Grus canadensis		x							x		x								S1	
Bird	Snowy plover	Charadrius alexandrinus nivosus			x						x			x							S1	
Bird	Black oystercatcher	Haematopus bachmani			x					x							x				S4	
Bird	Willet	Catoptrophorus semipalmatus			x							x								x	S3	Extremely limited range.
Bird	Upland sandpiper	Bartramia longicauda	?	x								x	x								SH	Peripheral species.
Bird	Marbled godwit	Limosa fedoa			x							x								x	S3	Extremely limited range.
Bird	Red knot	Calidris canutus			x				x											x	S3	
Bird	Rock sandpiper	Calidris ptilocnemis			x				x											x	S3	
Bird	Arctic tern	Sterna paradisaea						x				x					x				S2	
Bird	Common murre	Uria aalge				x			x							x					S4	
Bird	Marbled murrelet	Brachyramphus marmoratus			x				x					x							S3	
Bird	Ancient murrelet	Synthliboramphus antiquus			x							x								x	S3	Breeder?
Bird	Cassin's auklet	Ptychoramphus aleuticus				x			x							x					S3	
Bird	Tufted puffin	Fratercula cirrhata			x				x							x					S3	
Bird	Yellow-billed cuckoo	Coccyzus americanus	?									x				x					SH	Extirpated?
Bird	Flammulated owl	Otus flammeolus			x							x				x					S3	
Bird	Burrowing owl	Athene cunicularia			x				x							x					S2	
Bird	Northern spotted owl	Strix occidentalis caurina			x				x				x								S1	
Bird	Great gray owl	Strix nebulosa			x							x					x				S2	
Bird	Vaux's swift	Chaetura vauxi			x				x							x					S3	
Bird	Lewis' woodpecker	Melanerpes lewis			x				x							x					S3	
Bird	Acorn woodpecker	Melanerpes formicivorus		x						x							x				S1	Peripheral.
Bird	White-headed woodpecker	Picoides albolarvatus			x				x							x					S2	
Bird	Black-backed woodpecker	Picoides arcticus			x							x				x					S3	
Bird	Pileated woodpecker	Dryocopus pileatus				x						x				x					S4	
Bird	Streaked horned lark	Eremophila alpestris strigata		x								x								x	S1	

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			Population Size/Status						Population Trend				State Status									
TYPE	**COMMON NAME**	**SCIENTIFIC NAME**	Extirpated	Critical	Low	Medium	Abundant	Unknown	Declining	Stable	Increasing	Unknown	Endangered	Threatened	Sensitive	Candidate	Monitor	Game	Commercial	None	WNHP	**NOTES**
Bird	Purple martin	Progne subis			x					x						x					S3	
Bird	Slender-billed white-breasted nuthatch	Sitta carolinensis aculeata		x					x											x	S1	
Bird	Pygmy nuthatch	Sitta pygmaea			x							x								x	S3	
Bird	Western bluebird (W WA)	Sialia mexicana			x				x								x				S3	
Bird	Sage thrasher	Oreoscoptes montanus			x				x							x					S3	
Bird	Loggerhead shrike	Lanius ludovicianus			x				x							x					S3	
Bird	Oregon vesper sparrow	Pooecetes gramineus affinis			x				x											x	S1	Grasslands, prairie
Bird	Sage sparrow	Amphispiza belli			x				x							x					S3	
Reptile	Western pond turtle	Actinemys (Clemmys) marmorata			x						x		x								S1	
Reptile	Pygmy horned lizard	Phrynosoma douglasii				x						x								x	S3	
Reptile	Sagebrush lizard	Sceloporus graciosus			x				x							x					S2	
Reptile	Racer (W WA)	Coluber constrictor	?									x								x	S5	May be extirpated in western WA.
Reptile	Sharptail snake	Contia tenuis			x							x				x					S2	
Reptile	California mountain kingsnake	Lampropeltis zonata			x							x				x					S1	
Reptile	Striped whipsnake	Masticophis taeniatus			x							x				x					S1	Peripheral, historical?
Reptile	Pacific gopher snake (W WA)	Pituophis catenifer catenifer	?	x								x					x				S5	May be extirpated in western WA.
Amphibian	Tiger salamander	Ambystoma tigrinum				x						x					x				S3	
Amphibian	Dunn's salamander	Plethodon dunni			x					x						x					S2	Possibly declining.
Amphibian	Larch Mountain salamander	Plethodon larselli			x							x			x						S3	
Amphibian	Van Dyke's salamander	Plethodon vandykei			x							x				x					S3	
Amphibian	Cascade torrent salamander	Rhyacotriton cascadae				x						x				x					S3	
Amphibian	Columbia torrent salamander	Rhyacotriton kezeri				x						x				x					S3	
Amphibian	Rocky Mountain tailed frog	Ascaphus montanus				x			x							x					G4	
Amphibian	Western toad	Bufo boreas				x			x							x					S3	
Amphibian	Northern leopard frog	Rana pipiens			x				x				x								S1	
Amphibian	Oregon spotted frog	Rana pretiosa			x				x				x								S1	
Amphibian	Columbia spotted frog	Rana luteiventris			x							x				x					S4	
Fish	River lamprey	Lampetra ayresi						x				x				x					S2	

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			Population Size/Status						Population Trend				State Status									
TYPE	**COMMON NAME**	**SCIENTIFIC NAME**	Extirpated	Critical	Low	Medium	Abundant	Unknown	Declining	Stable	Increasing	Unknown	Endangered	Threatened	Sensitive	Candidate	Monitor	Game	Commercial	None	WNHP	**NOTES**
Fish	Pacific lamprey	Lampetra tridentata						x				x								x	S3	Possibly declining.
Fish	Copper rockfish	Sebastes caurinus		x						x						x						
Fish	Greenstriped rockfish	Sebastes elongatus						x				x				x						
Fish	Quillback rockfish	Sebastes maliger		x						x						x						
Fish	Black rockfish (Puget Sound)	Sebastes melanops			x							x				x						
Fish	China rockfish	Sebastes nebulosus						x				x				x						
Fish	Tiger rockfish	Sebastes nigrocinctus						x				x				x						
Fish	Bocaccio rockfish	Sebastes paucispinis		x								x				x						
Fish	Canary rockfish	Sebastes pinniger			x							x				x						
Fish	Redstripe rockfish	Sebastes proriger						x				x				x						
Fish	Yelloweye rockfish	Sebastes ruberrimus		x								x										
Fish	Margined sculpin	Cottus marginatus				x						x			x						S1	Locally abundant but very small range.
Fish	Green sturgeon	Acipenser medirostris				x			x										x		S2	
Fish	Pacific herring (Cherry Pt, Discovery Bay)	Clupea pallasi		x						x						x						
Fish	Westslope cutthroat	Oncorhynchus clarki lewisi				x				x								x			G4	
Fish	Inland redband trout	Oncorhynchus mykiss gairdneri						x				x						x			G5	
Fish	Bull trout	Salvelinus confluentus						x				x				x					G3	
Fish	Pygmy whitefish	Prosopium coulteri						x				x			x						S1	Only in 9 lakes in WA.
Fish	Eulachon	Thaleichthys pacificus		?								x				x					S4	
Fish	Olympic mudminnow	Novumbra hubbsi						x				x			x						S2	
Fish	Surfsmelt	Hypomesus pretiosus				x						x							x		G5	
Fish	Leopard dace	Rhinichthys falcatus						x				x				x					S2	
Fish	Mountain sucker	Catostomus platyrhynchus						x				x				x					S2	
Fish	Salish sucker	Catostomus sp. 4						x				x									S1	
Fish	Pacific sand lance	Ammodytes hexapterus					x					x								x		PHS species.
Coleoptera	Columbia River tiger beetle	Cicindela columbica	?									x				x					SH	May be extirpated in WA.
Coleoptera	Siuslaw sand tiger beetle	Cicindela hirticollis siuslawensis			x							x								x	S3	Endemic to PNW coast.
Coleoptera	Beller's ground beetle	Agonum belleri			x							x				x					S3	Endemic to PNW. Sphagnum bogs.
Coleoptera	Long-horned leaf beetle	Donacia idola			x							x				x						Endemic to PNW. Sphagnum bogs.

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TYPE	COMMON NAME	SCIENTIFIC NAME	Population Size/Status						Population Trend				State Status								WNHP	NOTES
			Extirpated	Critical	Low	Medium	Abundant	Unknown	Declining	Stable	Increasing	Unknown	Endangered	Threatened	Sensitive	Candidate	Monitor	Game	Commercial	None		
Coleoptera	Hatch's click beetle	Eanus hatchii			x							x								x	S1	Endemic to PNW. Sphagnum bogs.
Coleoptera	Mann's mollusk-eating ground beetle	Scaphinotus mannii			x				x							x						Vulnerable and possibly endangered.
Lepidoptera	Propertius' duskywing	Erynnis propertius			x				x								x				S3	Western Washington only.
Lepidoptera	Oregon branded skipper	Hesperia colorado oregonia						x				x					x				S2	
Lepidoptera	Mardon skipper	Polites mardon		x								x	x								S1	
Lepidoptera	Dog star skipper	Polites sonora siris						x				x								x	S2	
Lepidoptera	Yuma skipper	Ochlodes yuma		x								x				x					S1	
Lepidoptera	Shepard's parnassian	Parnassius clodius shepardi			x							x				x					S1	
Lepidoptera	Island marble	Euchloe ausonides insulanus		x								x								x	S1	
Lepidoptera	Makah (Queen Charlotte) copper	Lycaena mariposa charlottensis			x							x				x					S2	
Lepidoptera	Chinquapin hairstreak	Habrodais grunus herri			x							x				x					S1	
Lepidoptera	Johnson's hairstreak	Mitoura johnsoni						x				x				x					S2	
Lepidoptera	Juniper hairstreak	Mitoura grynea barryi						x				x				x					S2	
Lepidoptera	Hoary elfin (W WA)	Incisalia polia obscura						x				x								x	S3	
Lepidoptera	Puget (Blackmore's) blue	Icaricia icarioides blackmorei			x				x											x	S2	
Lepidoptera	Puget Sound fritillary	Speyeria cybele pugetensis						x	x											x	S3	Heath scrub.
Lepidoptera	Oregon silverspot	Speyeria zerene hippolyta	x									x	x								SX	
Lepidoptera	Valley silverspot	Speyeria zerene bremnerii			x				x							x					S2	
Lepidoptera	Silver-bordered fritillary	Boloria selene atrocostalis			x							x				x					S3	
Lepidoptera	Taylor's checkerspot	Euphydryas editha taylori		x					x											x	S1	
Lepidoptera	Great arctic	Oeneis nevadensis gigas	?					x				x				x					SH	May be extirpated in WA.
Lepidoptera	Sand-verbena moth	Copablepharon fuscum			x				x											x	S1	
I - Odonata	White-belted ringtail	Erpetogomphus compositus		x								x								x	S1	
I - Odonata	Columbia (Lynn's) clubtail	Gomphus lynnae			x							x								x	S1	
I - Odonata	Pacific clubtail	Gomphus kurilis			x							x								x	S1	
I - Odonata	Subarctic darner	Aeshna subarctica			x							x								x	S2	
I - Odonata	Boreal whiteface	Leucorrhinia borealis		x								x								x	S1	Peripheral species.
I - Odonata	Subarctic bluet	Coenagrion interrogatum			x							x								x	S2	

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			Population Size/Status						Population Trend				State Status									
TYPE	**COMMON NAME**	**SCIENTIFIC NAME**	Extirpated	Critical	Low	Medium	Abundant	Unknown	Declining	Stable	Increasing	Unknown	Endangered	Threatened	Sensitive	Candidate	Monitor	Game	Commercial	None	WNHP	**NOTES**
Bivalvia	California floater	Anodonta californiensis			x				x							x					S1	
Bivalvia	Western floater	Anodonta kennerlyi			x				x											x	S4	
Bivalvia	Winged floater	Anodonta nuttalliana			x				x											x	G3	
Bivalvia	Oregon floater	Anodonta oregonensis			x				x											x	S3	
Bivalvia	Western ridged mussel	Gonidea angulata			x				x											x	S2	
Bivalvia	Western pearlshell	Margaritifera falcata				x			x											x	S4	
Gastropoda (T)	Bluegray taildropper	Prophysaon coeruleum		x					x											x	S4	
Gastropoda (T)	Crowned tightcoil	Pristiloma pilsbryi	?									x								x	S1	May be extirpated in WA.
Gastropoda (T)	Columbia oregonian	Cryptomastix hendersoni			x				x											x	G2	Found in talus, springs and seeps in the Columbia Gorge; extirpated from Skamania Co.
Gastropoda (T)	Oregon megomphix	Megomphix hemphilli			x				x											x	G2	

APPENDIX 10: SGCN CONSERVATION PROBLEMS AND ACTIONS CHECKLIST

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		CONSERVATION PROBLEMS																			CONSERVATION ACTIONS																	
									Habitat												Research and data collection				Planning		Population management					Habitat management							
Type	Species Common Name	Agriculture	Disease and/or predation	Environmental Contaminants	Fire regime alteration	Forest practices	Grazing practices	Harvest and/or persecution	Conversion	Degradation	Fragmentation	Loss	Human development	Human disturbance	Hydrologic impacts	Invasive species	Lack of information	Limited distribution	Loss of prey/ food source	Mining	Transportation systems	Distribution and abundance	Limiting factors	Suitable habitat	Monitor population trends	Determine and recommend status	Develop recovery, strategy, management plan	Protect known populations	Augment/reintroduce population	Control and monitor mortality	Control and monitor disturbance	Protect or manage prey base/food source	Monitor habitat status	Restore/ enhance habitat	Permanet habitat conservation	Control invasive species	Control and monitor contaminants	Other habitat protection	Education and cooperation	Enforcement
Mammal	Preble's shrew																x	x				x	x	x	x	x		x		x										
Mammal	Merriam's shrew	x		x	x		x			x	x	x					x					x	x	x											x			x		
Mammal	Keen's myotis					x					x	x		x			x	x				x	x	x											x			x		
Mammal	Pallid Townsend's big-eared bat	x							x			x	x	x						x				x							x				x			x		x
Mammal	Pacific Townsend's big-eared bat											x		x										x											x			x		
Mammal	White-tailed jackrabbit	x	x						x			x					x	x				x			x	x		x	x	x				x	x					
Mammal	Black-tailed jackrabbit	x	x						x			x					x	x				x			x	x	x	x	x	x				x	x					
Mammal	Pygmy rabbit										x	x						x					x		x			x	x	x				x	x			x		
Mammal	Olympic marmot		x											x				x						x	x	x					x		x					x		
Mammal	Townsend's ground squirrel *townsendii*		x					x	x	x		x	x				x					x		x	x	x	x			x			x				x	x	
Mammal	Washington ground squirrel	x			x			x	x		x	x	x			x	x							x	x	x		x		x	x		x	x	x	x			x	x
Mammal	Townsend's ground squirrel *nancyae*		x					x	x	x		x	x				x					x		x	x	x	x			x			x				x	x	
Mammal	Western gray squirrel		x		x	x						x	x			x		x				x		x	x				x		x		x		x	x	x	x	x
Mammal	Brush Prairie pocket gopher							x		x	x	x	x			x		x				x			x	x							x	x	x	x			x	x
Mammal	Mazama (western) pocket gopher							x		x	x	x	x			x		x				x			x			x						x	x				x	x
Mammal	Kincaid meadow vole																x					x		x		x														
Mammal	Shaw Island Townsend's vole																x	x				x		x		x														
Mammal	Gray-tailed vole											x	x				x	x				x		x	x								x							
Mammal	Killer whale			x						x				x					x				x								x			x			x	x	x	x
Mammal	Pacific harbor porpoise			x				x					x	x							x	x			x	x					x			x			x			
Mammal	Gray wolf							x			x	x		x				x	x		x		x								x	x	x	x	x			x	x	x
Mammal	Grizzly bear										x	x		x				x			x				x				x	x			x				x		x
Mammal	Steller sea lion			x				x										x	x			x	x		x				x	x	x					x			
Mammal	Marten (Coastal population)																x	x				x				x		x	x										
Mammal	Fisher							x			x	x					x	x				x		x	x				x				x				x		
Mammal	Wolverine									x	x	x		x				x			x	x			x	x					x			x	x			x		x

		CONSERVATION PROBLEMS																			CONSERVATION ACTIONS																	
									Habitat												Research and data collection				Planning		Population management					Habitat management							
Type	Species Common Name	Agriculture	Disease and/or predation	Environmental Contaminants	Fire regime alteration	Forest practices	Grazing practices	Harvest and/or persecution	Conversion	Degradation	Fragmentation	Loss	Human development	Human disturbance	Hydrologic impacts	Invasive species	Lack of information	Limited distribution	Loss of prey/ food source	Mining	Transportation systems	Distribution and abundance	Limiting factors	Suitable habitat	Monitor population trends	Determine and recommend status	Develop recovery, strategy, management plan	Protect known populations	Augment/reintroduce population	Control and monitor mortality	Control and monitor disturbance	Protect or manage prey base/food source	Monitor habitat status	Restore/ enhance habitat	Permanet habitat conservation	Control invasive species	Control and monitor contaminants	Other habitat protection	Education and cooperation	Enforcement
Mammal	American badger	x									x	x	x				x					x		x	x	x							x							
Mammal	Sea otter		x	x				x										x				x			x												x		x	
Mammal	Lynx					x	x			x		x						x			x	x		x	x								x		x			x	x	
Mammal	Elk (Nooksack herd, mixed)							x										x				x		x	x					x								x		x
Mammal	Columbian white-tailed deer							x				x						x				x			x				x	x			x		x			x		x
Mammal	Woodland caribou		x			x												x											x	x					x			x	x	
Mammal	Pronghorn antelope											x						x						x			x		x				x							
Bird	Common loon			x						x		x	x	x	x									x				x		x				x		x	x	x	
Bird	Western grebe			x				x						x								x								x	x		x		x		x	x		x
Bird	American white pelican			x				x				x		x	x										x						x		x		x		x	x	x	
Bird	Great blue heron											x	x	x			x					x			x								x		x			x	x	
Bird	Trumpeter swan	x		x					x			x												x										x		x	x		
Bird	Tule greater white-fronted goose			x						x		x	x				x									x							x	x		x			
Bird	Brant			x						x		x	x	x					x												x		x	x		x	x		
Bird	Northern pintail							x	x	x		x	x																				x	x			x		x
Bird	Redhead							x		x		x	x	x	x				x														x	x			x	x	x
Bird	Greater scaup			x				x		x		x	x	x																x			x		x		x	x	x
Bird	Lesser scaup	x						x	x			x		x																				x			x	x	x
Bird	Long-tailed duck			x				x				x	x						x				x	x								x	x	x		x	x		x
Bird	Black scoter			x				x				x	x						x					x								x	x	x		x	x		x
Bird	Surf scoter			x				x				x	x						x					x								x	x	x		x	x		x
Bird	White-winged scoter			x				x				x	x						x					x								x	x	x			x		x
Bird	Bald eagle			x		x		x		x		x	x	x					x						x			x		x	x	x	x	x	x		x	x	x	x
Bird	Northern goshawk				x	x						x	x				x					x			x								x		x			x	x	
Bird	Ferruginous hawk	x			x				x	x		x	x	x					x												x		x	x			x	x	
Bird	Golden eagle			x						x	x	x	x	x					x										x	x	x		x	x	x		x		
Bird	Peregrine falcon			x										x											x			x			x					x	x	x	x
Bird	Prairie falcon	x			x				x	x		x	x	x					x												x			x			x		
Bird	Greater sage-grouse	x	x	x	x		x		x	x		x	x			x		x							x				x	x	x			x	x	x		x	x	

		CONSERVATION PROBLEMS																			CONSERVATION ACTIONS																		
									Habitat												Research and data collection				Planning		Population management					Habitat management							
Type	Species Common Name	Agriculture	Disease and/or predation	Environmental Contaminants	Fire regime alteration	Forest practices	Grazing practices	Harvest and/or persecution	Conversion	Degradation	Fragmentation	Loss	Human development	Human disturbance	Hydrologic impacts	Invasive species	Lack of information	Limited distribution	Loss of prey/ food source	Mining	Transportation systems	Distribution and abundance	Limiting factors	Suitable habitat	Monitor population trends	Determine and recommend status	Develop recovery, strategy, management plan	Protect known populations	Augment/reintroduce population	Control and monitor mortality	Control and monitor disturbance	Protect or manage prey base/food source	Monitor habitat status	Restore/ enhance habitat	Permanet habitat conservation	Control invasive species	Control and monitor contaminants	Other habitat protection	Education and cooperation	Enforcement
Bird	Sharp-tailed grouse	x	x				x		x			x	x					x							x				x	x	x			x	x			x	x	
Bird	Mountain quail			x			x					x	x																					x	x			x	x	
Bird	Sandhill crane (greater)	x					x			x		x	x	x	x						x							x			x			x	x			x	x	
Bird	Snowy plover			x								x		x		x															x				x	x	x	x		x
Bird	Black oystercatcher			x						x				x																	x						x		x	
Bird	Willet			x								x	x																					x		x	x		
Bird	Upland sandpiper						x			x		x	x		x	x																		x	x		x	x	
Bird	Marbled godwit			x						x		x	x																					x		x	x	x	
Bird	Red knot			x						x						x																			x	x			
Bird	Rock sandpiper			x						x		x																								x			
Bird	Arctic tern			x				x		x		x		x																	x					x		x	x
Bird	Common murre		x	x				x						x					x											x	x	x				x		x	
Bird	Marbled murrelet			x		x		x			x	x	x				x					x	x	x			x						x		x		x	x		
Bird	Ancient murrelet			x				x																													x		x	x
Bird	Cassin's auklet		x	x				x						x																x	x						x		x	x
Bird	Tufted puffin			x				x									x					x	x	x	x								x				x			
Bird	Yellow-billed cuckoo											x										x												x						
Bird	Flammulated owl			x		x				x		x					x					x		x	x									x	x		x	x		
Bird	Burrowing owl	x		x						x		x																						x	x		x	x	x	
Bird	Northern spotted owl					x						x				x								x	x		x							x	x			x	x	
Bird	Great gray owl					x				x							x					x		x	x		x							x	x			x	x	
Bird	Vaux's swift					x						x					x					x	x	x	x										x			x		
Bird	Lewis' woodpecker				x	x	x			x		x	x			x	x					x	x		x										x	x		x		
Bird	Acorn woodpecker																x					x		x																
Bird	White-headed woodpecker					x				x		x					x					x		x	x									x	x			x		
Bird	Black-backed woodpecker				x	x						x					x					x	x	x	x									x	x			x		
Bird	Pileated woodpecker					x						x					x					x	x		x									x	x			x		
Bird	Streaked horned lark				x							x				x		x					x						x					x	x			x		
Bird	Purple martin															x																				x				

		CONSERVATION PROBLEMS																			CONSERVATION ACTIONS																
									Habitat												Research and data collection				Planning		Population management					Habitat management							
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Bird	Slender-billed white-breasted nuthatch								x			x					x	x				x	x	x	x				x						x		x	x	x
Bird	Pygmy nuthatch				x	x	x			x		x	x				x					x												x	x			x		
Bird	Western bluebird (W WA)				x	x				x		x	x			x	x					x			x	x								x	x			x		
Bird	Sage thrasher	x		x			x				x	x	x				x					x			x									x	x	x		x	x	
Bird	Loggerhead shrike	x							x			x					x					x		x	x									x	x			x		
Bird	Oregon vesper sparrow	x		x	x							x	x			x	x					x		x										x	x		x	x		
Bird	Sage sparrow	x			x					x	x	x	x			x	x				x	x		x	x									x	x	x		x		
Reptile	Western pond turtle		x									x	x			x		x											x					x	x	x		x		
Reptile	Pygmy horned lizard	x						x				x	x				x					x												x			x	x	
Reptile	Sagebrush lizard	x								x		x				x	x	x				x		x										x	x	x		x		
Reptile	Racer (W WA)																x					x																		
Reptile	Sharptail snake											x		x			x	x				x	x											x			x		
Reptile	California mountain kingsnake							x				x	x				x	x				x		x	x									x			x	x	x
Reptile	Striped whipsnake											x	x				x					x	x				x			x				x	x			x		
Reptile	Pacific gopher snake (W WA)																x					x																		
Amphibian	Tiger salamander							x								x						x	x	x											x	x		x	x	
Amphibian	Dunn's salamander					x				x	x	x		x			x	x				x	x	x	x			x			x		x		x			x		
Amphibian	Larch Mountain salamander					x						x					x					x	x											x			x		
Amphibian	Van Dyke's salamander			x		x						x					x	x				x		x	x									x			x		
Amphibian	Cascade torrent salamander					x				x		x						x				x	x	x								x		x			x		
Amphibian	Columbia torrent salamander					x				x		x					x					x	x	x								x							
Amphibian	Rocky Mountain tailed frog					x				x		x					x					x	x	x								x					x		
Amphibian	Western toad												x				x					x	x	x									x	x			x		
Amphibian	Northern leopard frog	x	x	x												x	x					x	x	x											x	x			
Amphibian	Oregon spotted frog											x			x	x	x					x	x	x										x	x		x		
Amphibian	Columbia spotted frog														x	x	x					x	x	x										x	x		x		
Fish	River lamprey														x		x						x	x	x							x	x						
Fish	Pacific lamprey														x		x						x	x	x							x	x						
Fish	Copper rockfish		x	x				x									x					x	x		x					x						x	x		x

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Fish	Greenstriped rockfish		x	x				x									x					x	x		x					x								x		x
Fish	Quillback rockfish		x					x									x					x	x		x					x								x		x
Fish	Black rockfish (Puget Sound)		x					x									x					x	x		x					x								x		x
Fish	China rockfish							x									x					x	x		x													x		x
Fish	Tiger rockfish		x					x									x					x	x		x					x								x		x
Fish	Bocaccio rockfish		x					x									x					x	x		x					x								x		x
Fish	Canary rockfish		x					x									x					x	x		x					x								x		x
Fish	Redstripe rockfish		x					x									x					x	x		x					x								x		x
Fish	Yelloweye rockfish		x					x									x					x	x		x					x								x		x
Fish	Margined sculpin	x				x				x		x						x				x		x										x			x			
Fish	Green sturgeon			x		x	x	x		x					x		x					x			x									x		x	x	x	x	x
Fish	Pacific herring (Cherry Pt, Discovery Bay)									x		x	x				x					x	x		x					x								x		x
Fish	Westslope cutthroat															x																				x				
Fish	Inland redband trout	x				x						x			x																			x			x	x	
Fish	Bull trout	x		x		x	x	x		x		x	x		x	x	x					x	x	x	x			x			x		x	x	x	x	x	x	x	x
Fish	Pygmy whitefish			x		x				x		x			x	x						x													x	x	x	x		
Fish	Eulachon							x							x		x					x	x	x	x		x										x		
Fish	Olympic mudminnow											x	x		x	x		x				x												x	x		x		
Fish	Surfsmelt							x		x		x	x									x	x	x	x							x		x			x		
Fish	Leopard dace																x					x																	
Fish	Mountain sucker																x					x																	
Fish	Salish sucker											x	x				x	x				x		x	x												x		
Fish	Pacific sand lance									x		x	x				x					x	x	x	x							x					x		x
Invertebrate	Columbia River tiger beetle											x			x		x					x	x	x										x			x		
Invertebrate	Siuslaw sand tiger beetle													x		x	x	x				x	x	x										x	x		x		
Invertebrate	Beller's ground beetle									x			x		x		x	x				x	x	x										x			x		
Invertebrate	Long-horned leaf beetle									x			x		x		x	x				x	x	x										x			x		
Invertebrate	Hatch's click beetle									x			x		x		x	x				x	x	x										x			x		
Invertebrate	Mann's mollusk-eating ground beetle						x					x	x				x	x				x	x	x									x	x			x		

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Invertebrate	Propertius' duskywing									x								x																	x			x		
Invertebrate	Oregon branded skipper											x	x			x								x		x	x								x	x		x		
Invertebrate	Mardon skipper				x		x		x			x		x		x		x											x						x	x		x	x	
Invertebrate	Dog star skipper			x								x				x							x	x		x	x								x	x		x		
Invertebrate	Yuma skipper												x	x				x									x								x			x	x	
Invertebrate	Shepard's parnassian												x			x						x					x								x	x		x		
Invertebrate	Island marble																	x				x	x	x											x			x		
Invertebrate	Makah (Queen Charlotte) copper								x			x	x									x													x			x		
Invertebrate	Chinquapin hairstreak		x	x		x												x				x		x											x			x	x	
Invertebrate	Johnson's hairstreak					x						x										x		x								x			x			x		
Invertebrate	Juniper hairstreak											x	x									x					x								x			x		
Invertebrate	Hoary elfin (W WA)									x	x	x	x					x															x	x				x		
Invertebrate	Blackmore's (Puget) blue									x		x				x															x		x	x	x			x		
Invertebrate	Puget Sound fritillary									x		x	x			x						x		x			x								x	x		x		
Invertebrate	Oregon silverspot butterfly									x		x	x			x													x				x		x			x		
Invertebrate	Valley silverspot									x		x				x								x					x				x	x	x			x		
Invertebrate	Silver-bordered fritillary											x			x							x			x		x						x		x			x		
Invertebrate	Taylor's checkerspot				x							x	x	x		x													x				x	x				x		
Invertebrate	Great arctic																x					x																		
Invertebrate	Sand-verbena moth													x		x	x	x				x		x											x	x		x		
Invertebrate	White-belted ringtail																x	x				x	x		x													x		
Invertebrate	Columbia (Lynn's) clubtail			x												x	x	x				x	x	x	x											x	x			
Invertebrate	Pacific clubtail																x	x				x	x	x	x													x		
Invertebrate	Subarctic darner																x	x				x	x	x	x													x		
Invertebrate	Boreal whiteface																x	x				x	x	x	x													x		
Invertebrate	Subarctic bluet																x	x				x	x	x	x													x		
Invertebrate	California floater			x											x	x	x	x				x	x		x				x							x	x			
Invertebrate	Western floater			x											x	x	x	x				x	x		x				x							x	x			
Invertebrate	Winged floater			x											x	x	x	x				x	x		x				x							x	x			

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Invertebrate	Oregon floater			x											x	x	x	x				x	x		x				x							x	x			
Invertebrate	Western ridged mussel			x													x	x				x	x		x				x					x			x	x		
Invertebrate	Western pearlshell			x				x									x	x				x	x		x				x							x		x	x
Invertebrate	Bluegray taildropper					x						x	x				x	x				x		x	x				x						x		x		
Invertebrate	Crowned tightcoil																x	x				x		x	x				x						x		x		
Invertebrate	Columbia oregonian					x				x	x	x	x				x	x				x	x	x				x	x				x	x			x		
Invertebrate	Oregon megomphix				x	x						x	x				x	x				x		x	x				x						x		x		