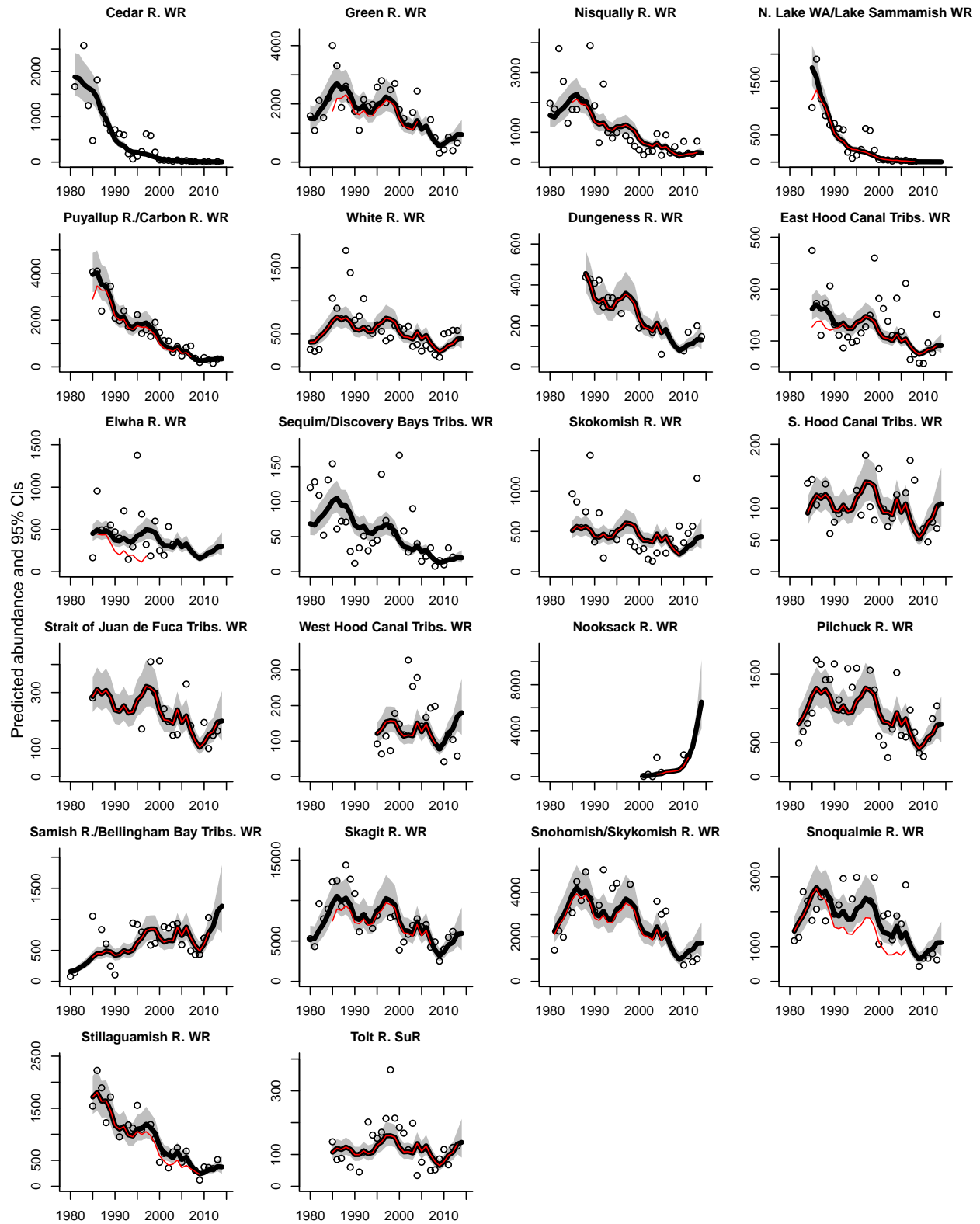
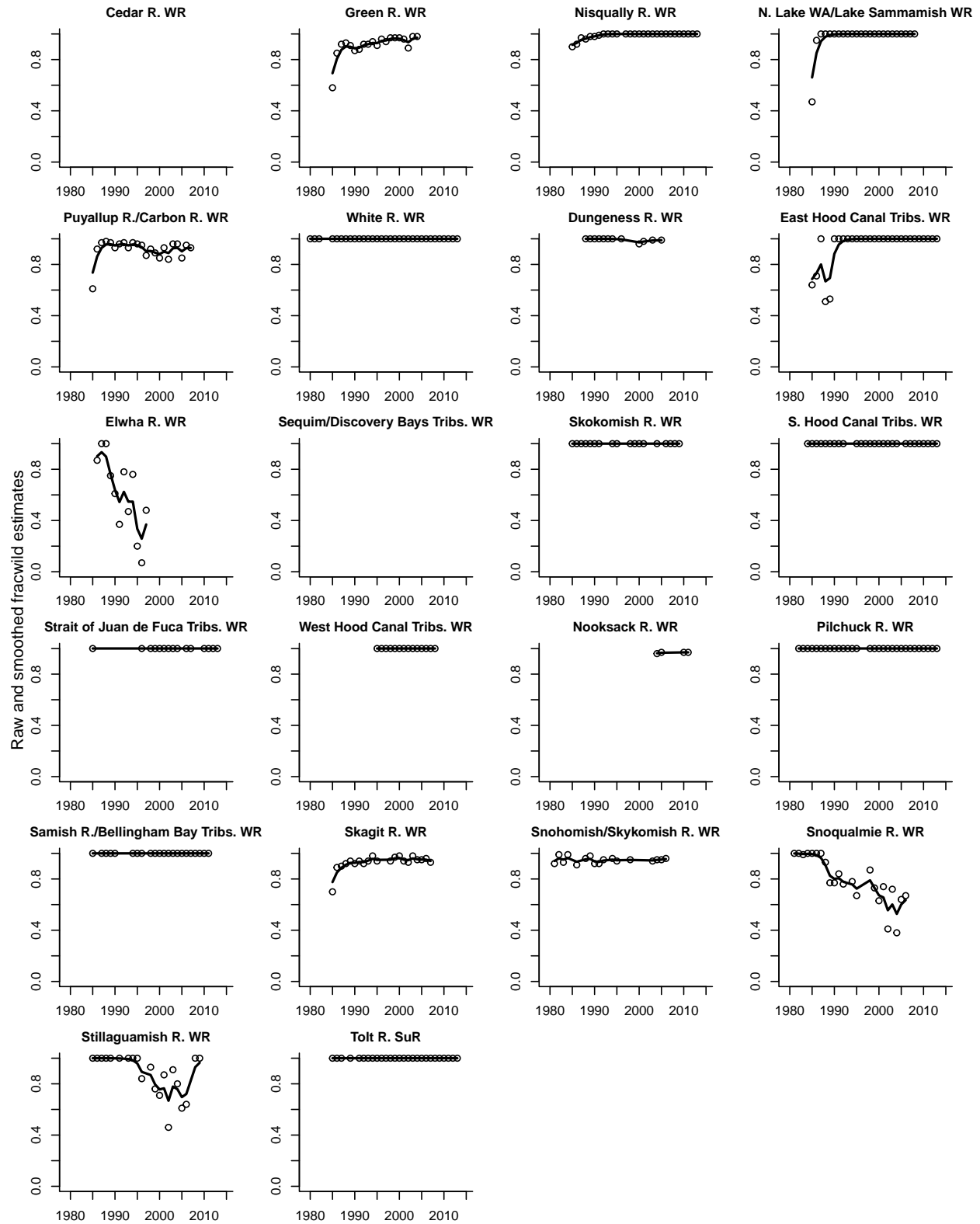


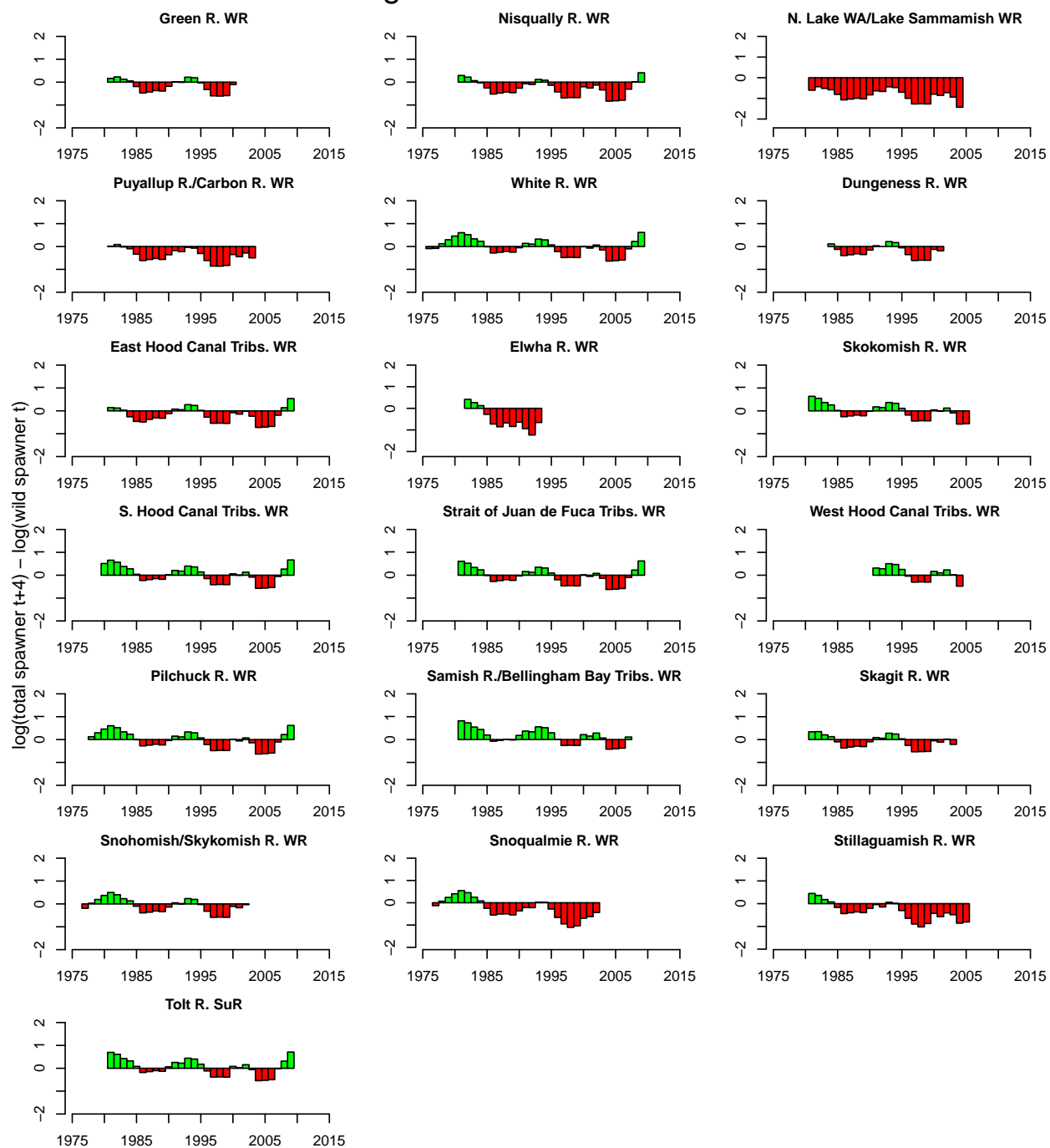
Puget Sound Steelhead DPS



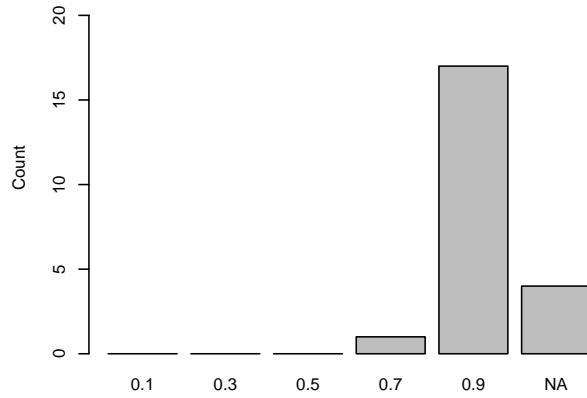
Puget Sound Steelhead DPS



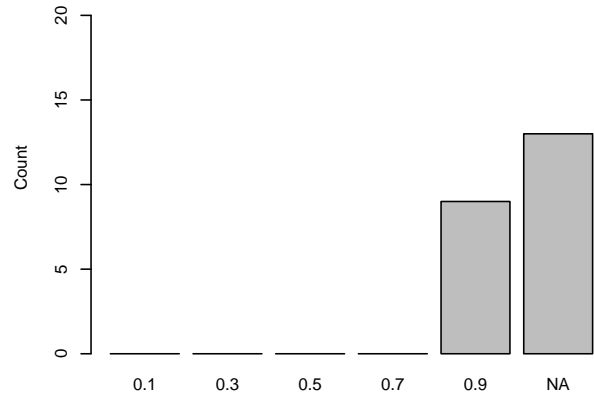
Puget Sound Steelhead DPS



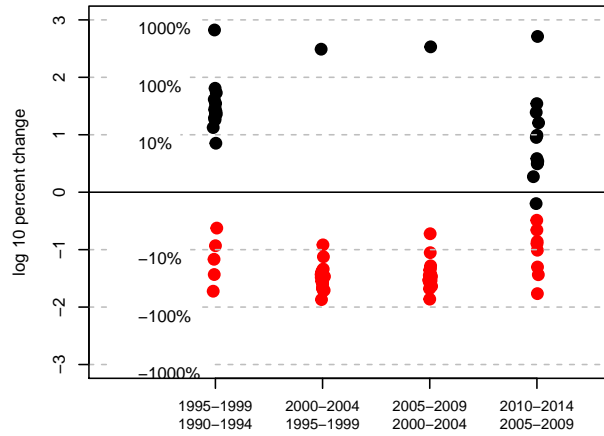
Fraction wild across populations 2005–2009



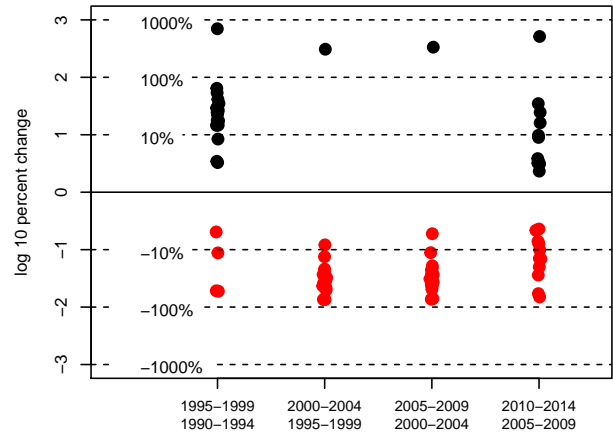
Fraction wild across populations 2010–2014



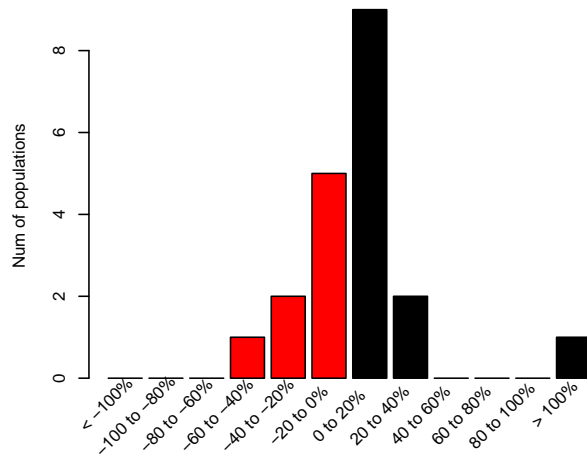
% change in 5-year geomean of smoothed wild spawners



% change in 5-year geomean of smoothed spawners



Percent change in 5-year geomean of smoothed log wild spawners



15-year trend in log wild spawners 1990–2005 vs 1999–2014

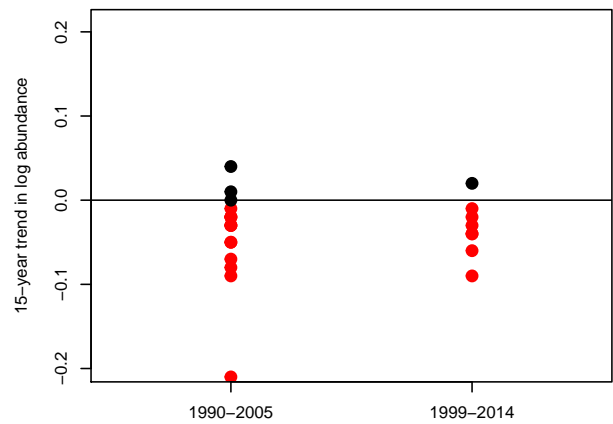


Table 1: 5-year geometric mean of smoothed wild spawner estimate (smoothed total spawners times smoothed fracwild). In parentheses, the 5-year geometric mean of smoothed total spawners (black thick line in graphs) is shown. A row with only values in parentheses indicates that no fraction wild estimates were available for that population. Geometric mean was computed as the product of counts raised to the power 1/5. Percent change between the most recent two 5-year periods is shown on the far right.

Population	MPG	1990-1994	1995-1999	2000-2004	2005-2009	2010-2014	% Change
Cedar R. WR	Central & South PS	(334)	(160)	(42)	(12)	(4)	(-67)
Green R. WR	Central & South PS	1648 (1815)	1978 (2082)	1269 (1327)	843 (868)	782 (806)	-7 (-7)
Nisqually R. WR	Central & South PS	1210 (1219)	1159 (1159)	624 (624)	354 (354)	283 (283)	-20 (-20)
N. Lake WA/Lake Sammamish WR	Central & South PS	359 (359)	169 (169)	44 (44)	12 (12)	5 (5)	-58 (-58)
Puyallup R./Carbon R. WR	Central & South PS	1883 (1977)	1606 (1752)	786 (869)	410 (444)	298 (321)	-27 (-28)
White R. WR	Central & South PS	559 (559)	687 (687)	475 (475)	342 (342)	353 (353)	3 (3)
Dungeness R. WR	Hood Canal & SJF	309 (309)	331 (335)	199 (203)	127 (128)	114 (115)	-10 (-10)
East Hood Canal Tribs. WR	Hood Canal & SJF	152 (158)	181 (181)	116 (116)	76 (76)	70 (70)	-8 (-8)
Elwha R. WR	Hood Canal & SJF	214 (370)	156 (464)	120 (325)	87 (237)	90 (245)	3 (3)
Sequim/Discovery Bays Tribs. WR	Hood Canal & SJF	(61)	(63)	(36)	(21)	(18)	(-14)
Skokomish R. WR	Hood Canal & SJF	435 (435)	562 (562)	410 (410)	317 (317)	348 (348)	10 (10)
S. Hood Canal Tribs. WR	Hood Canal & SJF	97 (97)	131 (131)	99 (99)	78 (78)	85 (85)	9 (9)
Strait of Juan de Fuca Tribs. WR	Hood Canal & SJF	236 (236)	300 (300)	212 (212)	156 (156)	162 (162)	4 (4)
West Hood Canal Tribs. WR	Hood Canal & SJF	93 (93)	143 (143)	124 (124)	110 (110)	137 (137)	25 (25)
Nooksack R. WR	Northern Cascades	3 (3)	23 (24)	94 (98)	413 (426)	2537 (2616)	514 (514)
Pilchuck R. WR	Northern Cascades	970 (970)	1207 (1207)	838 (838)	609 (609)	628 (628)	3 (3)
Samish R./Bellingham Bay Tribs. WR	Northern Cascades	464 (464)	763 (763)	700 (700)	663 (663)	894 (894)	35 (35)
Skagit R. WR	Northern Cascades	7240 (7717)	9073 (9530)	6316 (6614)	4508 (4773)	4592 (4884)	2 (2)
Snohomish/Skykomish R. WR	Northern Cascades	2765 (2933)	3266 (3447)	2134 (2254)	1451 (1519)	1385 (1449)	-5 (-5)
Snoqualmie R. WR	Northern Cascades	1467 (1877)	1663 (2214)	872 (1453)	617 (983)	598 (940)	-3 (-4)
Stillaguamish R. WR	Northern Cascades	1065 (1072)	974 (1109)	477 (641)	316 (386)	318 (330)	1 (-15)
Tolt R. SuR	Northern Cascades	104 (104)	147 (147)	115 (115)	93 (93)	108 (108)	16 (16)

Table 2: 5-year geometric mean of raw wild spawner counts. This is the raw total spawner count times the fraction wild estimate, if available. In parentheses, 5-year geometric mean of raw total spawner counts is shown. A value only in parentheses means that a total spawner count was available but no or only one estimate of wild spawners available. The geometric mean was computed as the product of counts raised to the power 1 over the number of counts available (2 to 5). A minimum of 2 values were used to compute the geometric mean. Percent change between the most recent two 5-year periods is shown on the far right.

Population	MPG	1990-1994	1995-1999	2000-2004	2005-2009	2010-2014	% Change
Cedar R. WR	Central & South PS	(321)	(298)	(37)	(12)	(4)	(-67)
Green R. WR	Central & South PS	1566 (1730)	2379 (2505)	1618 (1693)	(716)	(552)	(-23)
Nisqually R. WR	Central & South PS	1201 (1208)	759 (759)	413 (413)	375 (375)	442 (442)	18 (18)
N. Lake WA/Lake Sammamish WR	Central & South PS	321 (321)	298 (298)	37 (37)	12 (12)		
Puyallup R./Carbon R. WR	Central & South PS	1860 (1954)	1523 (1660)	907 (1000)	641 (476)	(277)	(-42)
White R. WR	Central & South PS	696 (696)	519 (519)	466 (466)	225 (225)	531 (531)	136 (136)
Dungeness R. WR	Hood Canal & SJF	356 (356)		182 (186)		(141)	
East Hood Canal Tribs. WR	Hood Canal & SJF	110 (110)	176 (176)	202 (202)	62 (62)	60 (60)	-3 (-3)
Elwha R. WR	Hood Canal & SJF	206 (358)	127 (508)	(303)			
Sequim/Discovery Bays Tribs. WR	Hood Canal & SJF	(30)	(69)	(63)	(17)	(19)	(12)
Skokomish R. WR	Hood Canal & SJF	503 (385)	359 (359)	259 (205)	351 (351)	(580)	(65)
S. Hood Canal Tribs. WR	Hood Canal & SJF	89 (89)	111 (111)	103 (103)	113 (113)	64 (64)	-43 (-43)
Strait of Juan de Fuca Tribs. WR	Hood Canal & SJF		275 (275)	212 (212)	244 (244)	147 (147)	-40 (-40)
West Hood Canal Tribs. WR	Hood Canal & SJF		97 (97)	210 (210)	174 (149)	(74)	(-50)
Nooksack R. WR	Northern Cascades			(80)		1779 (1834)	
Pilchuck R. WR	Northern Cascades	1300 (1300)	1465 (1465)	604 (604)	597 (597)	614 (614)	3 (3)
Samish R./Bellingham Bay Tribs. WR	Northern Cascades	316 (316)	717 (717)	852 (852)	534 (534)	846 (846)	58 (58)
Skagit R. WR	Northern Cascades	7189 (7650)	7656 (8059)	5424 (5675)	5547 (4767)	(5123)	(7)
Snohomish/Skykomish R. WR	Northern Cascades	3634 (3877)	4141 (4382)	2562 (2711)	2945 (3084)	(930)	(-70)
Snoqualmie R. WR	Northern Cascades	1832 (2328)	2060 (2739)	856 (1544)	1396 (1249)	(680)	(-46)
Stillaguamish R. WR	Northern Cascades	1078 (1078)	1024 (1166)	401 (550)	259 (327)	(392)	(20)
Tolt R. SuR	Northern Cascades	112 (112)	212 (212)	119 (119)	73 (73)	105 (105)	44 (44)

Table 3: 5-year mean of fraction wild (sum of all estimates divided by the number of estimates). Blanks mean no estimate available in that 5-year range.

Population	1990-1994	1995-1999	2000-2004	2005-2009	2010-2014
Cedar R. WR					
Green R. WR	0.91	0.95	0.96		
Nisqually R. WR	0.99	1.00	1.00	1.00	1.00
N. Lake WA/Lake Sammamish WR	1.00	1.00	1.00	1.00	
Puyallup R./Carbon R. WR	0.95	0.92	0.91	0.91	
White R. WR	1.00	1.00	1.00	1.00	1.00
Dungeness R. WR	1.00	1.00	0.98	0.99	
East Hood Canal Tribs. WR	1.00	1.00	1.00	1.00	1.00
Elwha R. WR	0.60	0.25			
Sequim/Discovery Bays Tribs. WR					
Skokomish R. WR	1.00	1.00	1.00	1.00	
S. Hood Canal Tribs. WR	1.00	1.00	1.00	1.00	1.00
Strait of Juan de Fuca Tribs. WR		1.00	1.00	1.00	1.00
West Hood Canal Tribs. WR		1.00	1.00	1.00	
Nooksack R. WR			0.96	0.97	0.97
Pilchuck R. WR	1.00	1.00	1.00	1.00	1.00
Samish R./Bellingham Bay Tribs. WR	1.00	1.00	1.00	1.00	1.00
Skagit R. WR	0.94	0.95	0.96	0.95	
Snohomish/Skykomish R. WR	0.94	0.95	0.94	0.96	
Snoqualmie R. WR	0.79	0.76	0.58	0.66	
Stillaguamish R. WR	1.00	0.88	0.75	0.81	
Tolt R. SuR	1.00	1.00	1.00	1.00	1.00

Table 4: 15-year trends (slope) in log wild spawner abundance computed from a linear regression applied to the smoothed wild spawner log abundance estimate versus year. Only populations with at least 4 wild spawner estimates from 1980 to 2014 are shown and with at least 2 data points in the first 5 years and last 5 years of the 15-year period.

Population	MPG	1990-2005	1999-2014
Green R. WR	Central & South PS	-0.03 (-0.05, -0.01)	
Nisqually R. WR	Central & South PS	-0.07 (-0.09, -0.05)	-0.09 (-0.11, -0.06)
N. Lake WA/Lake Sammamish WR	Central & South PS	-0.21 (-0.23, -0.19)	
Puyallup R./Carbon R. WR	Central & South PS	-0.09 (-0.11, -0.07)	
White R. WR	Central & South PS	-0.02 (-0.04, 0)	-0.04 (-0.06, -0.01)
Dungeness R. WR	Hood Canal & SJF	-0.05 (-0.06, -0.03)	
East Hood Canal Tribs. WR	Hood Canal & SJF	-0.03 (-0.05, -0.01)	-0.06 (-0.08, -0.03)
Elwha R. WR	Hood Canal & SJF		
Skokomish R. WR	Hood Canal & SJF	-0.01 (-0.03, 0.01)	
S. Hood Canal Tribs. WR	Hood Canal & SJF	0 (-0.02, 0.02)	-0.02 (-0.05, 0.01)
Strait of Juan de Fuca Tribs. WR	Hood Canal & SJF		-0.03 (-0.06, -0.01)
West Hood Canal Tribs. WR	Hood Canal & SJF		
Pilchuck R. WR	Northern Cascades	-0.02 (-0.04, 0)	-0.04 (-0.06, -0.01)
Samish R./Bellingham Bay Tribs. WR	Northern Cascades	0.04 (0.02, 0.06)	0.02 (-0.01, 0.05)
Skagit R. WR	Northern Cascades	-0.02 (-0.04, 0)	
Snohomish/Skykomish R. WR	Northern Cascades	-0.03 (-0.05, -0.01)	
Snoqualmie R. WR	Northern Cascades	-0.05 (-0.08, -0.03)	
Stillaguamish R. WR	Northern Cascades	-0.08 (-0.1, -0.06)	
Tolt R. SuR	Northern Cascades	0.01 (-0.01, 0.03)	-0.01 (-0.04, 0.01)