

**BRT Trend Metric 90th Percentile Exceedence Levels**

**Estimated Abundance of Natural Origin Adults**

Year	SR fall Chin			SR ss Chin		UCR s Chin		SR Sthd		UCR Sthd		MCR Sthd - Yakima R.			
	LGR	lnN+1	5yr. Slope	LGR		Recon. Run at RIS	LGR		Priest Rapids		Prosser				
1975	1000	6.908755													
1976	470	6.154858													
1977	600	6.398595													
1978	640	6.463029													
1979	500	6.216606	-0.107613	1979	5,761	8.659001	1979	1,949	7.575585	1977	1,421	7.259632			
1980	450	6.111467	-0.026877	1980	6,134	8.721693	1980	2,532	7.83716	1978	661	6.49475			
1981	340	5.831882	-0.148499	1981	11,292	9.331948	1981	2,450	7.804251	1979	1,284	7.158399			
1982	720	6.580639	-0.01495	1982	11,300	9.332676	1982	2,780	7.930566	1980	1,225	7.111872			
1983	428	6.061457	0.015887	1983	9,838	9.194064	0.168111	1983	4,653	8.445482	0.18332	1981	1,346	7.20527	0.05084
1984	324	5.783825	-0.042571	1984	7,929	8.978394	0.037552	1984	3,645	8.201386	0.136968	1982	1,414	7.25502	0.156741
1985	438	6.084499	-0.029158	1985	10,182	9.22845	-0.056128	1985	6,271	8.743851	0.215002	1983	1,538	7.338746	0.050384
1986	449	6.109248	-0.091974	1986	10,109	9.221231	-0.01885	1986	3,942	8.279697	0.099663	1984	1,771	7.47975	0.086923
1987	253	5.537334	-0.072282	1987	9,622	9.171937	0.019858	1987	3,620	8.194506	-0.042364	1985	3,223	8.078532	0.197125
1988	368	5.910797	-0.029322	1988	10,826	9.289752	0.05662	1988	3,443	8.144389	-0.066334	1986	2,342	7.759187	0.174812
1989	295	5.690359	-0.098673	1989	6,454	8.772576	-0.084323	1989	2,774	7.928406	-0.17662	1987	4,058	8.308692	0.221933
1990	78	4.369448	-0.332657	1990	9,342	9.14243	-0.055696	1990	2,460	7.808323	-0.120885	1988	2,670	7.890208	0.105108
1991	318	5.765191	-0.108564	1991	5,756	8.658249	-0.11747	1991	1,252	7.133296	-0.245848	1989	2,685	7.895808	-0.023443
1992	549	6.309918	0.087307	1992	12,673	9.44729	0.020075	1992	3,013	8.011023	-0.106184	1990	1,585	7.36897	-0.119332
1993	742	6.610696	0.378114	1993	12,522	9.435304	0.163032	1993	2,888	7.968666	0.028322	1991	2,799	7.937375	-0.126387
1994	406	6.008813	0.412424	1994	1,856	7.526777	-0.245425	1994	713	6.570883	-0.163951	1992	1,618	7.389564	-0.095972
1995	350	5.860786	-0.010991	1995	1,167	7.063048	-0.511091	1995	89	4.49981	-0.670711	1993	890	6.792344	-0.218633
1996	639	6.461468	-0.044681	1996	3,643	8.200776	-0.486528	1996	150	5.01728	-0.945634	1994	885	6.786717	-0.230954
1997	797	6.682109	0.059548	1997	5,557	8.623071	-0.095047	1997	604	6.405228	-0.468048	1995	993	6.901737	-0.267412
1998	306	5.726848	0.025739	1998	7,599	8.935845	0.437816	1998	216	5.379897	-0.047655	1996	843	6.738152	-0.119343
1999	905	6.809039	0.116189	1999	2,853	7.956429	0.252183	1999	417	6.035481	0.343396	1997	785	6.666957	-0.029934
2000	1148	7.046647	0.129729	2000	8,187	9.010446	0.09527	2000	890	6.792344	0.318038	1998	928	6.834109	-0.014
2001	5163	8.549467	0.505452	2001	44,572	10.70488	0.423821	2001	4,938	8.504887	0.561176	1999	1,374	7.226209	0.07449
2002	2116	7.657755	0.560224	2002	29,872	10.3047	0.548616	2002	2,809	7.940872	0.759135	2000	2,341	7.758761	0.260047
2003	3856	8.257645	0.350832	2003	32,080	10.37601	0.613342	2003	1,191	7.082988	0.324354	2001	5,715	8.651025	0.489279
2004	2983	8.00102	0.161692	2004	20,967	9.950731	0.15517	2004	1,436	7.270313	-0.046596	2002	2,983	8.00102	0.375864
2005	2602	7.86442	-0.102683	2005	9,832	9.193548	-0.337663	2005	1,444	7.275898	-0.312854	2003	2,836	7.950502	0.169085
2006	2483	7.817625	-0.007348	2006	9,340	9.142142	-0.350758	2006	962	6.869904	-0.194903	2004	2,985	8.00169	-0.021466
2007	2016	7.609367	-0.147995	2007	6,903	8.839887	-0.388083	2007	722	6.583409	-0.139957	2005	3,127	8.048149	-0.120508
2008				2008	16,953	9.738236	-0.077865	2008	1,312	7.18007	-0.087297	2006	1,677	7.425358	-0.105368
												2007	2,724	7.910136	-0.065707
												2008			

**Sorted Data**

Year	SR fall Chin slope	SR ss Chin slope	UCR s Chin slope	SR Sthd slope	UCR Sthd slope	MCR Sthd - Yakima R. slope	Number
2002	0.560224	0.034483	0.038462	0.432645	0.037037	0.420002	0.0625
2001	0.505452	0.068966	0.076923	0.386199	0.074074	0.280128	0.125
1994	0.412424	0.103448	0.115385	0.267983	0.111111	0.258102	0.1875
1993	0.378114	0.137931	0.153846	0.232136	0.148148	0.255484	0.25
2003	0.350832	0.172414	0.192308	0.117293	0.277778	0.126078	0.3125
2004	0.161692	0.206897	0.168111	0.06583	0.333333	0.113267	0.375
2000	0.129729	0.241379	0.163032	0.029474	0.388889	0.108707	0.4375
1999	0.116189	0.275862	0.15517	-0.008362	0.444444	0.078602	0.5
1992	0.087307	0.310345	0.09527	0.099663	0.346154	0.018058	0.5625
1997	0.059548	0.344828	0.05662	0.028322	0.384615	-0.045912	0.625
1998	0.025739	0.37931	0.037552	-0.042364	0.423077	-0.08915	0.6875
1983	0.015887	0.413793	0.020075	-0.046596	0.461538	-0.103837	0.75
2006	-0.007348	0.448276	0.019858	-0.047655	0.5	-0.12861	0.8125
1995	-0.010991	0.482759	0.01885	-0.066334	0.538462	-0.306079	0.875
1982	-0.01495	0.517241	0.005696	-0.087297	0.576923	-0.326722	0.9375
1980	-0.026877	0.551724	0.056128	-0.106184	0.615385	-0.367208	1
1985	-0.029158	0.586207	0.077865	-0.120885	0.653846		
1988	-0.029322	0.62069	0.084323	-0.139957	0.692308		
1984	-0.042571	0.655172	0.095047	-0.163951	0.730769		
1996	-0.044681	0.689655	0.11747	-0.17662	0.769231		
1987	-0.072282	0.724138	0.245425	-0.194903	0.807692		
1986	-0.091974	0.758621	0.337663	-0.245848	0.846154		
1989	-0.098673	0.793103	0.350758	-0.312854	0.884615		
2005	-0.102683	0.827586	0.388083	-0.468048	0.923077		
1979	-0.107613	0.862069	0.486528	-0.670711	0.961538		
1991	-0.108564	0.896552	-0.108981	-0.945634	1		
2007	-0.147995	0.931034					
1981	-0.148499	0.965517					
1990	-0.332657	1					

N= 29 26 26 18 27 16

90th trigger -0.108981 -0.369421 -0.390451 -0.232899 -0.17251 -0.3164