Table 3-10: Comparison of limiting rate of reproduction ($a = e^{a}$), for selected spring chinook stocks in the Columbia Basin, with those reported by other authors.

Stock	Subbasin	Region	Distance to spawning area	Mainstem Columbia River Dams	Source	Brood Years	Number of BYs Pre-1970	Number of BYs 1970-74	Number of BYs Post-1974	Limiting Rate Reproduction (alpha)
Methow	Methow	Upper Columbia	839 km	9	Schaller et al. (1996)	60-69	10	0	0	19.0
				9	Schaller et al. (1996)	75-90	0	0	16	3.5
3/				9	Reisenbichler (1990)	68-83	2	5	9	3.5
3/				9	Reisenbichler (1990)	68-83	2	5	9	2.9
Entiat	Entiat	Upper Columbia	779 km	8	Schaller et al. (1996)	55-69	15	0	0	15.9
				8	Schaller et al. (1996)	75-90	0	0	16	3.5
3/				8	Reisenbichler (1990)	68-83	2	5	9	3.7
3/				8	Reisenbichler (1990)	68-83	2	5	9	3.4
Wenatchee	Wenatchee	Upper Columbia	751 km	7	Schaller et al. (1996)	58-69	12	0	0	19.3
				7	Schaller et al. (1996)	75-90	0	0	16	0.8
3/				7	Reisenbichler (1990)	68-83	2	5	9	7.9
3/					Reisenbichler (1990)	68-83	2	5	9	4.1
Pooled	John Day	Lower Columbia	660km	2	Schaller et al. (1996)	59-69	11	0	0	14.0
				2	Reisenbichler (1990)	59-69	11	0	0	6.1
				3	Schaller et al. (1996)	75-90	0	0	16	4.2
2/				3	Reisenbichler (1990)	70-79	0	5	5	1.1
Warm Springs	Deschutes	Lower Columbia	468 km	2	Schaller et al. (1996)	69-90	1	5	16	11.3
				2	Schaller et al. (1996)	75-90	0	0	16	7.0
2/					Reisenbichler (1990)	75-81	0	0	7	5.2
Aggregate	Snake	Lower Granite Dam	> 691 km	4-8	Reisenbichler (1990)	64-83	6	5	9	2.8
				4-8	Reisenbichler (1990)	64-83	6	5	9	2.2
Aggregate	Upriver	Bonneville Dam	> 234 km	1-9	Schaller et al. (1996)	39-90	31	5	16	2.3
				1-9	Schaller et al. (1996)	75-90	0	0	16	1.7
				1-9	Schaller et al. (1996)	39-69	31	0	0	6.7
				1-4	Chapman et al. (1982)	39-58	20	0	0	6.8
				1-9	Barton (1979)	57-72	13	2	0	8.7

1/ Source for run reconstruction data used by Schaller et al. (1996) contained in Beamesderfer et al. (1996).
2/ Source for run reconstruction data used by Reisenbichler (1990) was from Lindsay et al. (1986) for John Day stock, and Lindsay et al. (1989) for Warm Springs stock.
3/ Reisenbichler (1990) reported an estimated alpha, and a corresponding subjective alpha for these stocks (account for overestimation alpha at low spawning levels).