

Table 1. 2014 Fraser River sockeye Forecasts

A		B		C		D		F		G		H		I		J		K		L	
Run timing group		Forecast Model ^b		BY (10) (EFS)		BY (09) (EFS)		Mean Run Size all cycles ^c		2014 cycle ^d		Probability that Return will be at/or Below Specified Run Size ^a									
				10%		25%						50%		75%		90%					
xxEarly Stuart	Ricker (Ei)			34,200	21,900			308,000	126,000	132,000	189,000	299,000	476,000	709,000							
Early Summer (total excluding miscellaneous)								--	--	730,000	1,741,000	4,126,000	8,470,000	16,805,000							
Bowron	MRS			4,400	1,000	39,000	26,000	527,000	897,000	523,000	1,279,000	3,111,000	6,845,000	13,898,000							
Fennell	power			5,500	700	25,000	20,000	53,000	18,000	31,000	47,000	79,000	131,000	228,000							
Gates	Larkin			5,900	5,300	79,000	26,000	71,000	59,000	26,000	51,000	109,000	233,000	460,000							
Nadina	MRJ			11,900	3,700			113,000	390,000	264,000	678,000	1,542,000	3,328,000	6,993,000							
Pitt	Larkin			8,800	18,800			147,000	358,000	154,000	429,000	1,254,000	2,925,000	5,828,000							
**Scotch	Ricker			273,900	2,700																
**Seymour	Ricker			287,500	3,100																
Misc (EShu & Taseko) ^e	RS (Sc/Se) +RS (Chilko)			119,500	1,600																
Misc (Chilliwack) ^f	RS (Esum)			1,500	2,400																
Misc (Nahatlatch) ^f	RS (Esum)			2,900	700																
Summer (total excluding miscellaneous)								--	--	2,127,000	3,393,000	5,699,000	10,116,000	17,781,000							
Chilko ^g	power (juv) (Pi)			54.9 M	34.4 M	3,879,000	3,483,000	3,879,000	3,483,000	2,118,000	3,377,000	5,670,000	10,058,000	17,667,000							
Late Stuart	power			43,500	43,300	1,405,000	1,484,000	1,405,000	1,484,000	1,121,000	1,670,000	2,615,000	4,274,000	6,790,000							
Quesnel	Ricker-cyc			133,000	82,800	554,000	232,000	554,000	232,000	92,000	172,000	329,000	672,000	1,308,000							
Stellako	Larkin			110,300	15,900	1,345,000	1,050,000	1,345,000	1,050,000	467,000	845,000	1,524,000	2,950,000	5,864,000							
Raft ^h	Ricker (PDO)			2,400	6,000	461,000	548,000	461,000	548,000	303,000	437,000	690,000	1,119,000	1,719,000							
**Harrison ^{h & i}	Adjusted R1C			399,700	387,100	83,000	147,000	83,000	147,000	118,000	228,000	473,000	980,000	1,888,000							
Misc (N. Thompson. Tribs) ^{h & j}	R/S (Ra/Fe)			600	1,000					2,000	3,000	6,000	12,000	23,000							
Misc (N. Thompson River) ^{h & j}	R/S (Ra/Fe)			3,200	1,700					7,000	13,000	23,000	46,000	91,000							
Late (total excluding miscellaneous)						--	--	3,222,000	8,967,000	4,322,000	7,574,000	12,886,000	22,338,000	37,224,000							
Cultus ^g	MRJ			318,400	174,000	39,000	36,000	39,000	36,000	3,000	6,000	13,000	28,000	56,000							
**Late Shuswap	Ricker-cyc			3.1 M	20,200	2,414,000	7,791,000	2,414,000	7,791,000	3,900,000	6,894,000	11,730,000	20,240,000	33,503,000							
Portage	Larkin			26,700	800	43,000	76,000	43,000	76,000	20,000	45,000	111,000	265,000	657,000							
Weaver	MRS			25,300	12,900	361,000	576,000	361,000	576,000	176,000	285,000	479,000	870,000	1,524,000							
**Birkenhead	Ricker (Ei)			67,800	34,500	365,000	488,000	365,000	488,000	205,000	311,000	493,000	831,000	1,299,000							
Misc. non-Shuswap ^k	R/S (Lillooet-Harrison)			7,400	5,100	--	--	7,400	5,100	18,000	33,000	60,000	104,000	185,000							
TOTAL SOCKEYE SALMON (TOTAL excluding miscellaneous)						--	--	7,936,000	13,473,000	7,311,000	12,897,000	23,010,000	41,400,000	72,519,000							
										7,077,000	12,386,000	21,906,000	39,613,000	69,313,000							

**Note that for Scotch, Seymour, Harrison, Late Shuswap and Portage Creek, these stocks were forecast using record brood year EFS, as a result, these forecasts are particularly uncertain given the forecast models are extrapolating beyond the observed data range.

**Note that Early Stuart and Birkenhead, for different reasons, have biased brood year escapement estimates in 2010, which adds additional uncertainty to the 2014 forecasts.

- Probability that return will be at, or below, specified projection.
- See Table 5 for model descriptions
- Sockeye: 1953-2010 (depending on start of time series)
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- Misc. Early Shuswap stocks use Scotch and Seymour R/EFS in forecast; Misc. Taseko uses Chilko R/EFS in forecast
- Misc. Chiliwack & Nahatlatch use Early Summer Run stocks R/EFS in forecast
- Brood year smolts in columns C & D (not effective females)
- Raft, Harrison, Miscellaneous North Thompson stocks moved in current forecast to Summer Run timing group due to changes in run timing of these stocks
- Harrison are age-4 (column C) and age-3 (column D).
- Misc. North Thompson stocks use Raft & Fennel R/EFS in forecast
- Misc. Late Run stocks (Harrison Lake down stream migrants including Big Silver, Cogburn, etc.) use Birkenhead R/EFS in forecast

** Harrison forecasts are extremely uncertain due to age-proportion variations and brood year escapements (2010/2011) that are out of the historical data range

Definitions: BY: Brood year; BY9: brood year 2009; BY10: brood year 2010; EFS: effective female spawners; Ei (Entrance Island sea-surface-temperature); PDO (Pacific Decadal Oscillation).