

Appendix 4. Summary of mark-recapture data used for the Steelhead Schaeffer estimate.

2008 steelhead

11	11	Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8	Col 9	Col 10	Col 11
row 1	6	1	0	0	0	0	0	0	0	0	0	0
row 2	38	1	3	0	3	1	0	0	0	0	0	0
row 3	78	0	0	6	2	0	0	1	0	0	0	0
row 4	76	0	0	1	5	3	1	0	0	0	0	0
row 5	83	0	0	0	0	3	0	0	0	0	0	0
row 6	130	0	0	0	0	2	7	3	0	0	1	0
row 7	105	0	0	0	0	0	1	5	0	0	0	0
row 8	113	0	0	0	0	0	0	2	0	1	0	0
row 9	44	0	0	0	0	0	0	0	0	1	0	0
row 10	49	0	0	0	0	0	0	0	0	0	0	0
row 11	55	0	0	0	0	0	0	0	0	0	0	0
		35	117	218	346	402	341	220	164	30	34	16

Row and column numbers refer to weeks in the study;

5% tag loss was applied to the data.

>>>2008 data 5% tag loss - Chi-square Test Statistics

Complete Mixing : 18.95 (4 df)

Significance... 0.00

Equal Proportions: 6.88 (6 df)

Significance... 0.33

> End of Pooling Tests

>> ML Darroch Estimate

Total Number of iterations is 7 (Max iterations is 25)

Estimate (std. err) : 33278.13 (9178.62)

Log likelihood : 8677.46

95 % normal C I : (15288.04, 51268.22)

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G-square : 3.44 (2 df)
 Significance : 0.18
 Chi-square : 3.87 (2 df)
 Significance... 0.14

> Table of Stratum Estimates & Predicted counts N(cap), m(cap,rec), u(rec)

Stratum	Si	S.E.(Size)	P(Capture)	S.E.(P(Cap	1&2	3	4	5	6	7	8-11
1&2&7	3298.53	1199.35	0.0429	0.0156	6.52	0.00	2.86	1.01	1.09	3.52	0.00
3	1840.46	993.59	0.0403	0.0217	0.00	6.40	1.90	0.00	0.00	0.69	0.00
4&5	7740.66	2773.73	0.0195	0.0070	0.00	1.15	4.53	6.11	1.21	0.00	0.00
6	3984.63	1745.73	0.0310	0.0136	0.00	0.00	0.00	2.02	7.87	1.89	1.22
8-11	16413.84	9151.51	0.0151	0.0084	0.00	0.00	0.00	0.00	0.00	0.91	3.09
Unmarked				145.46	210.44	336.71	392.85	330.78	213.13	239.63	

> End of Table