

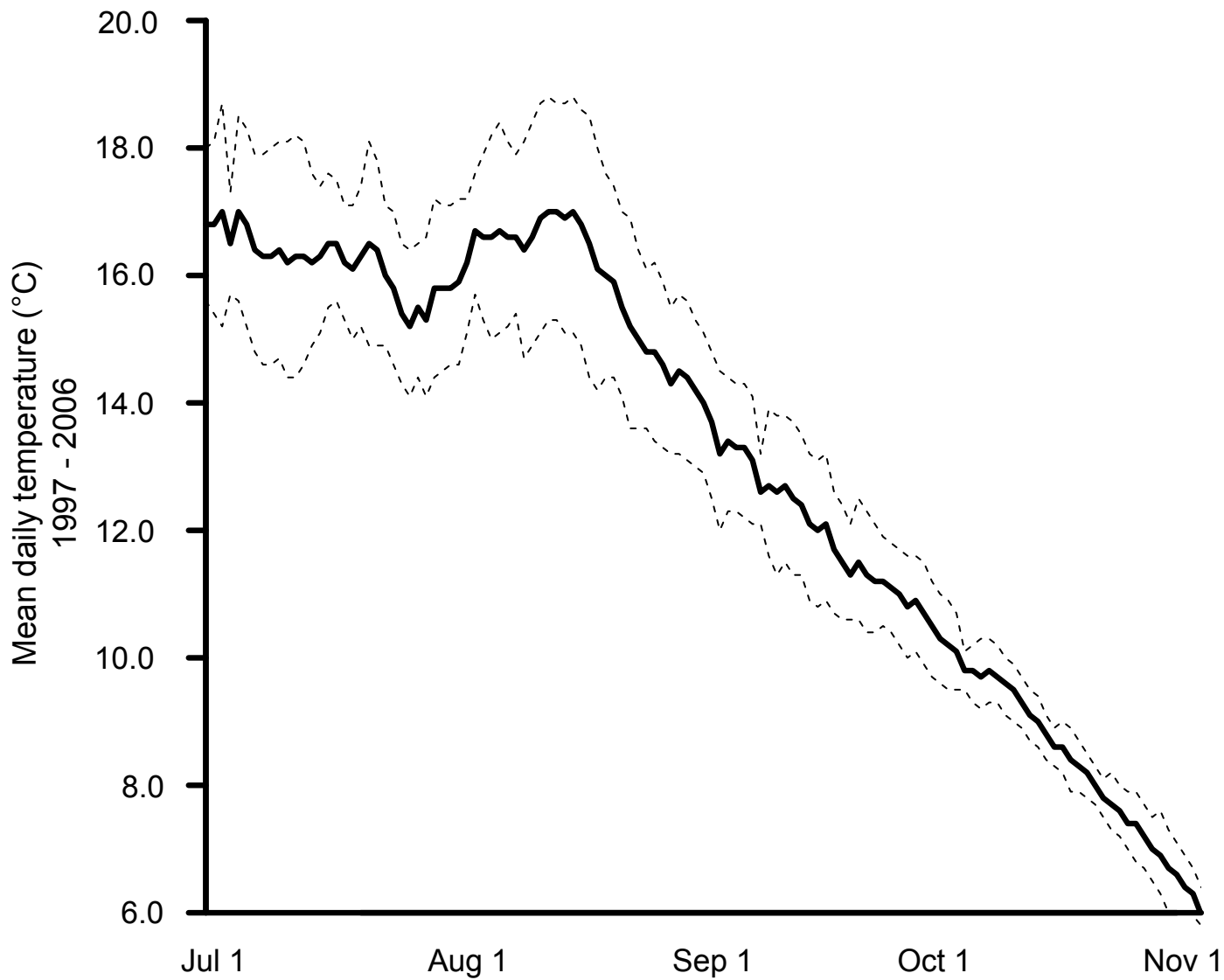
Fig. S1. Mean daily temperature in Auke Creek (solid line) during the study period. Dashed line is ± 1 SD.

Fig. S2. Time series of all daily census counts of salmon and Dolly Varden for all study years (1997-2006).

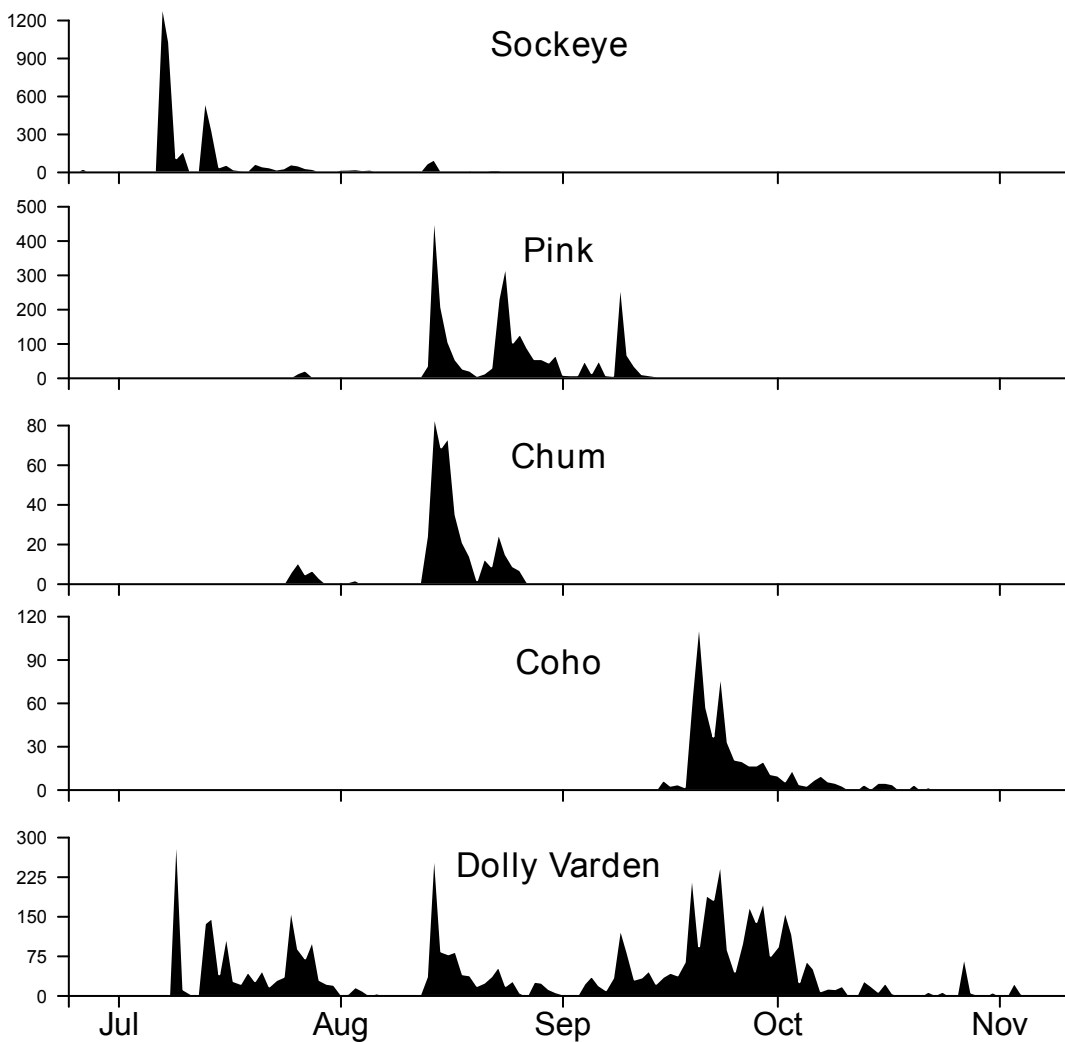
Fig. S3. Predictions of daily census counts of Dolly Varden (gray filled circles) using the best prey-based (solid line) and environmental-based (dashed line) models.

Table S1. Results from the best statistical model predicting Dolly Varden counts. (A)

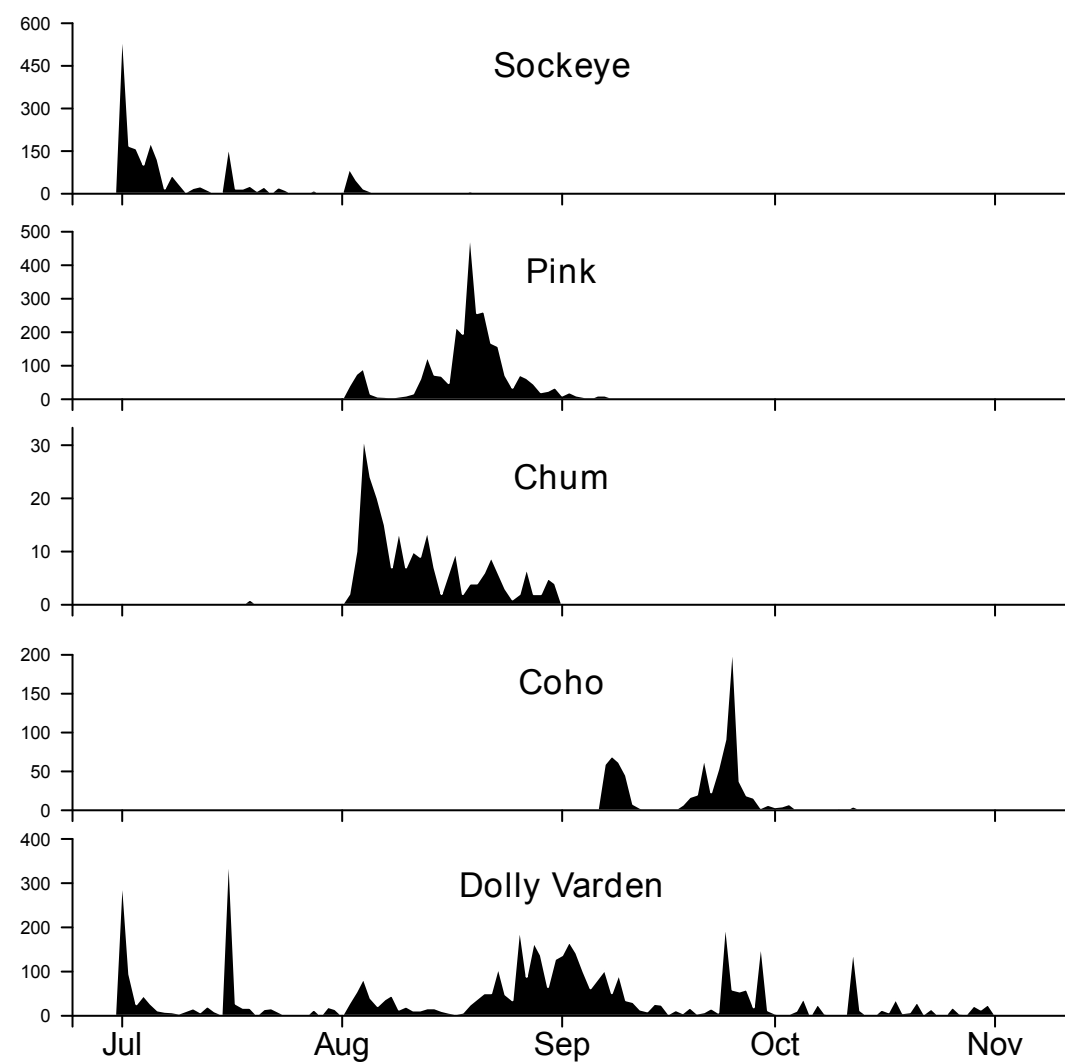
Presence/absence model results (B) Positive model results.



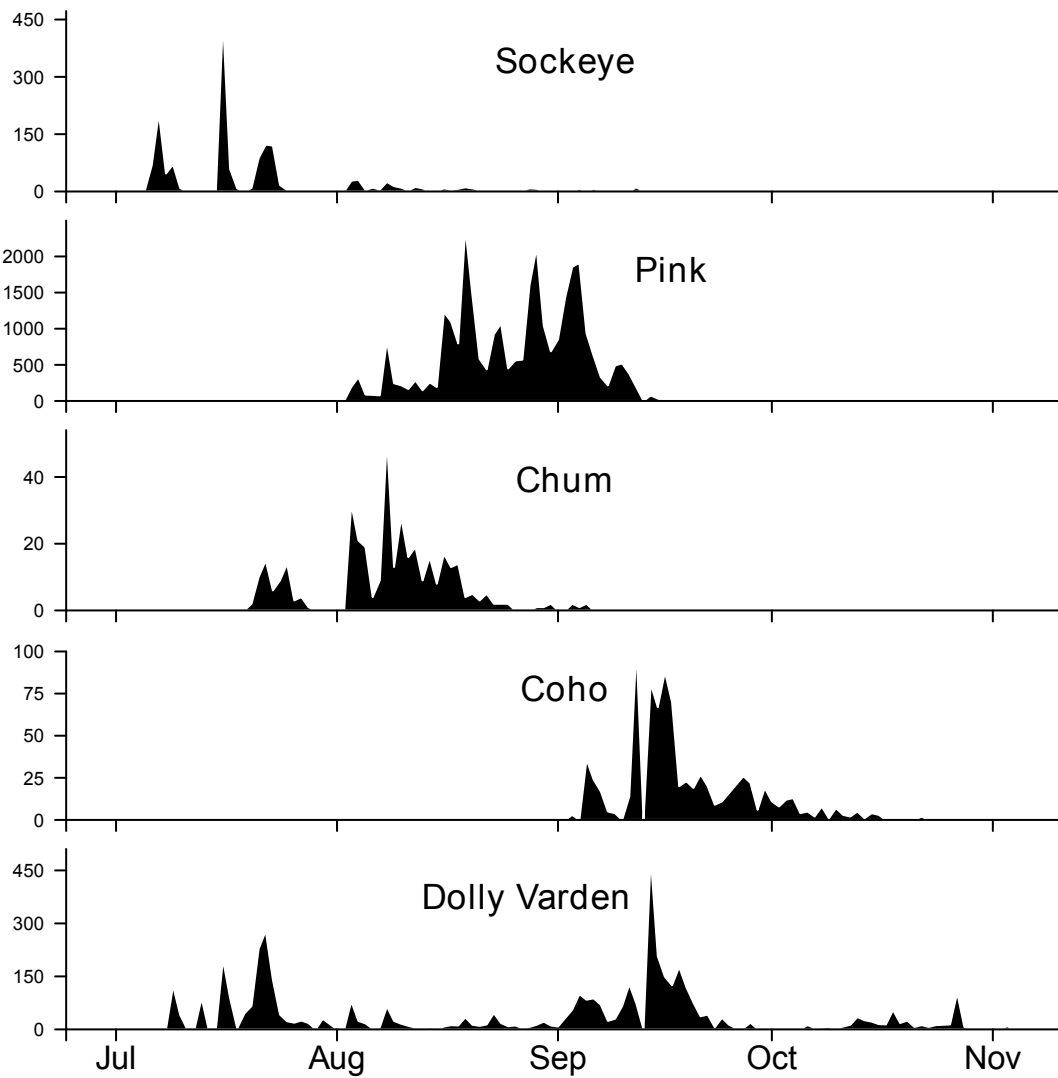
1997



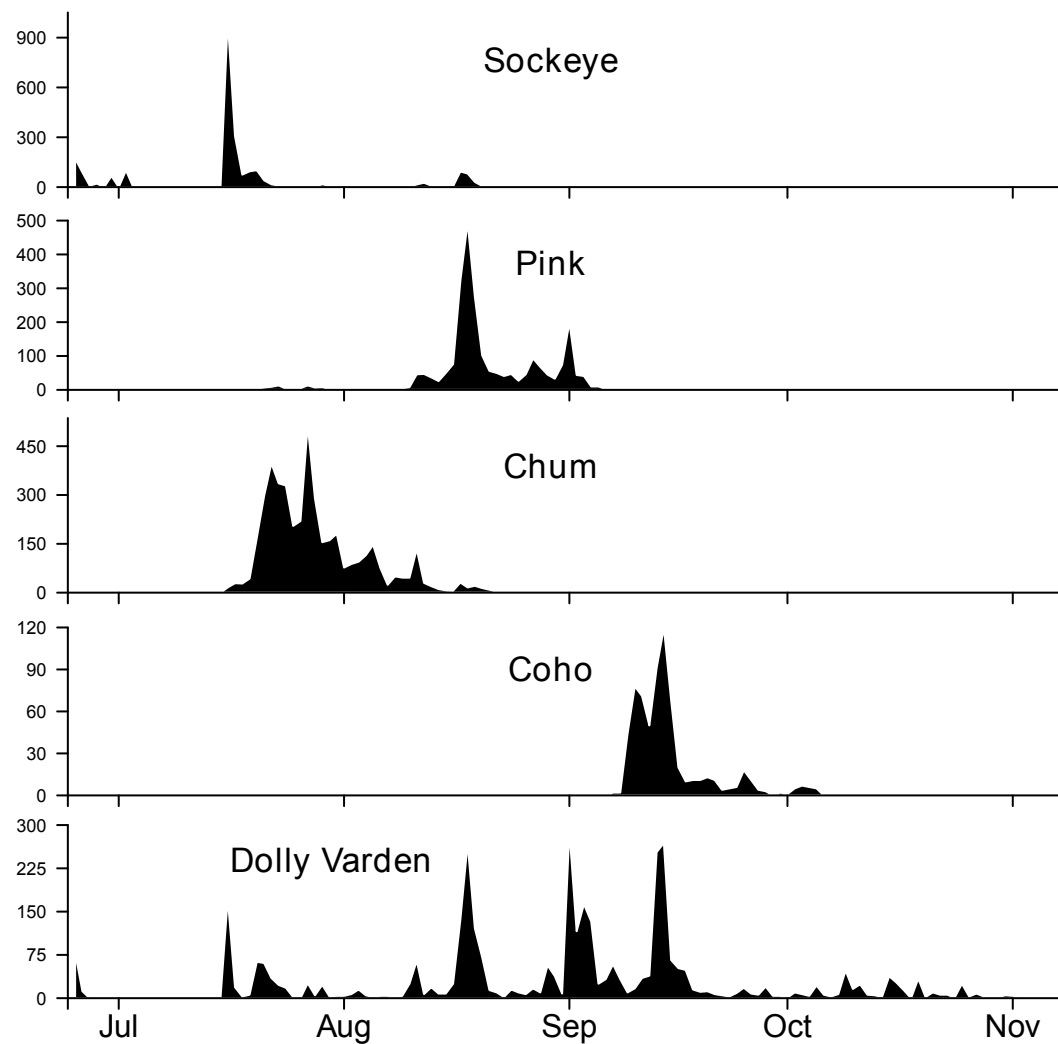
1998



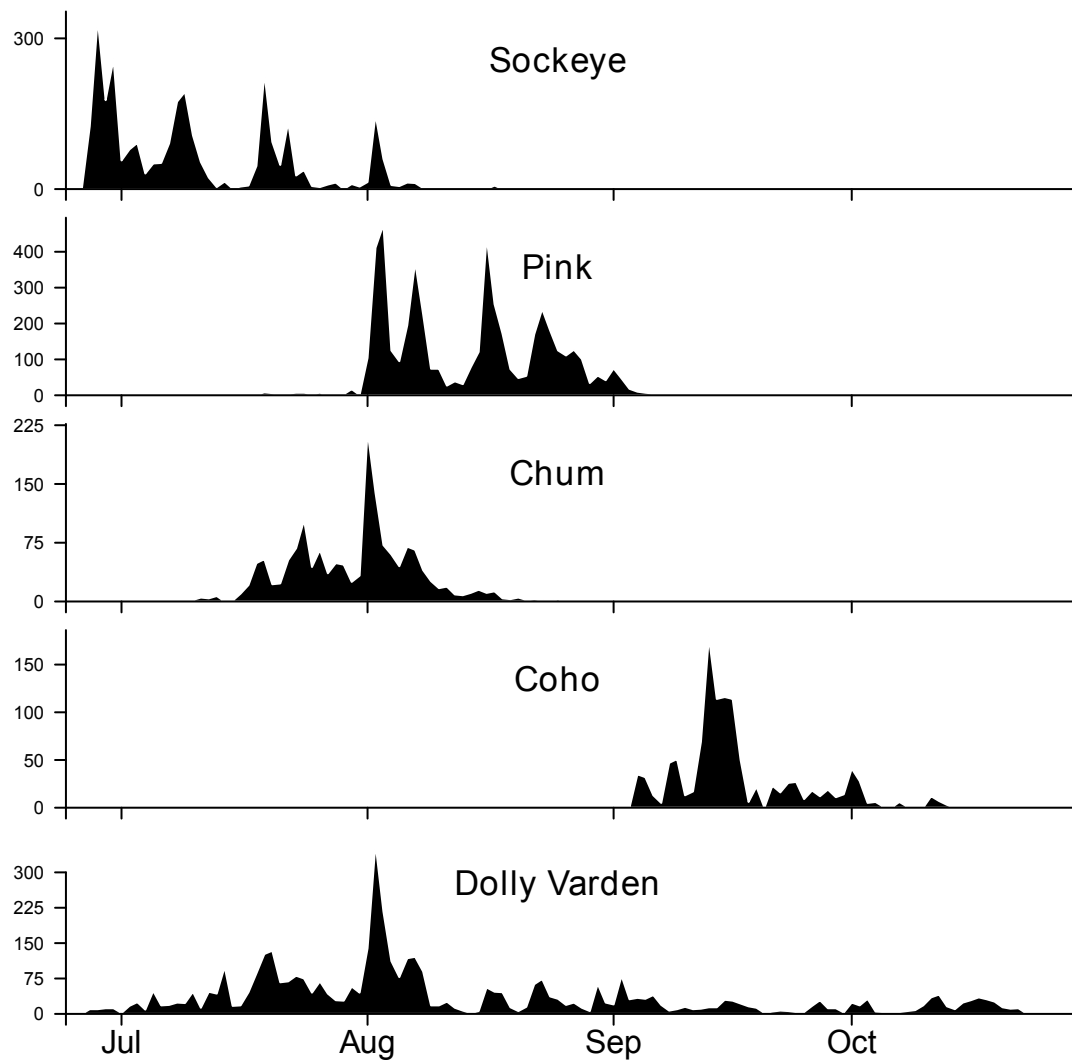
1999



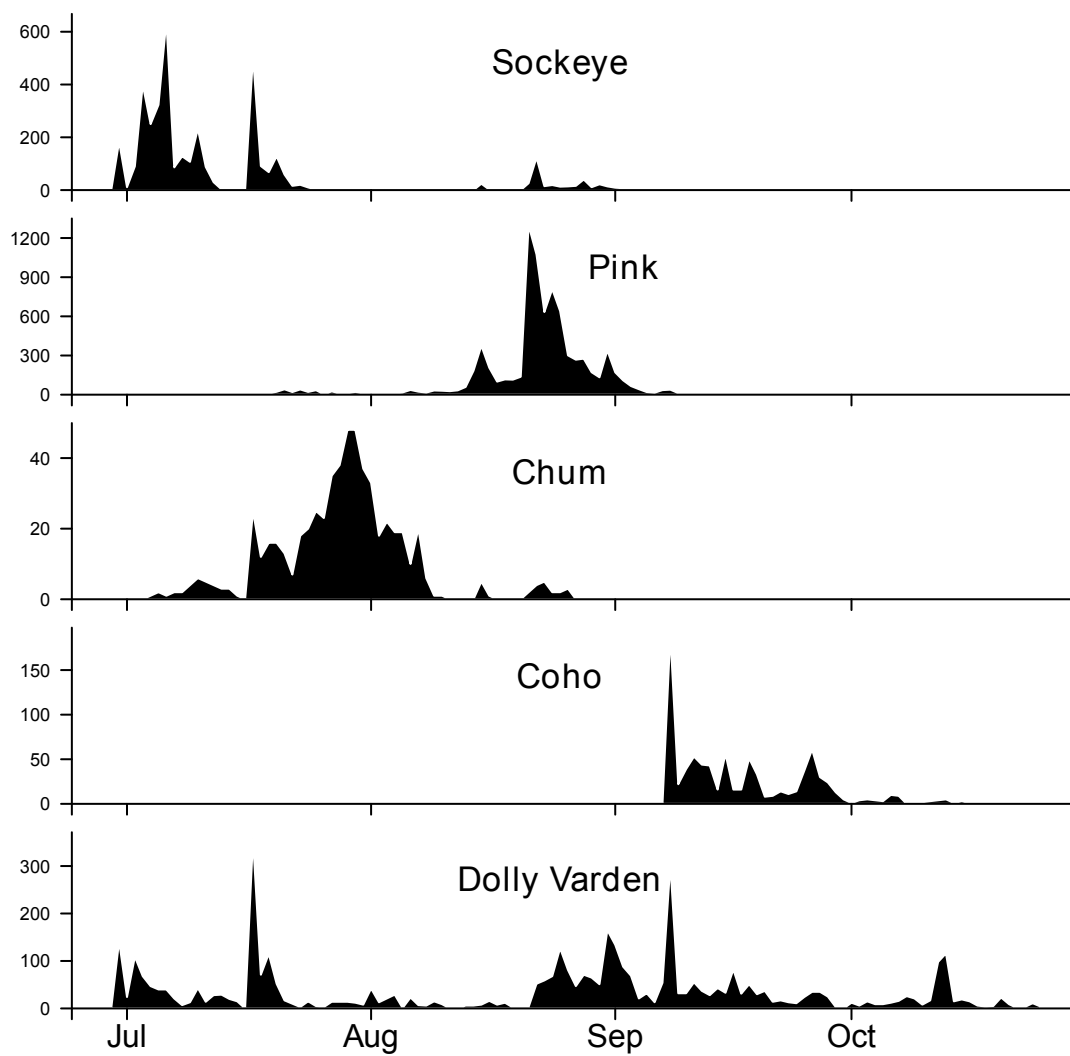
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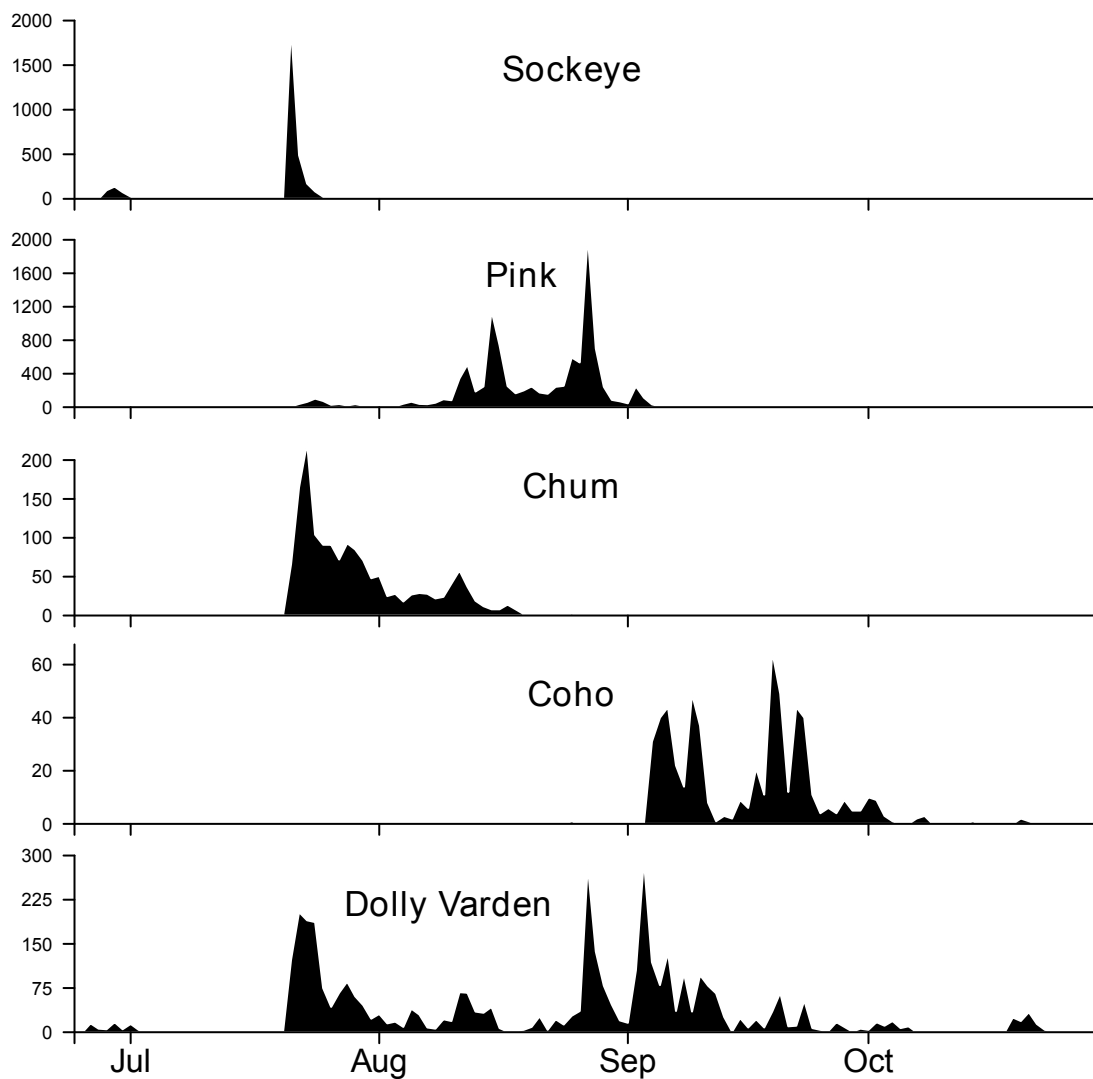
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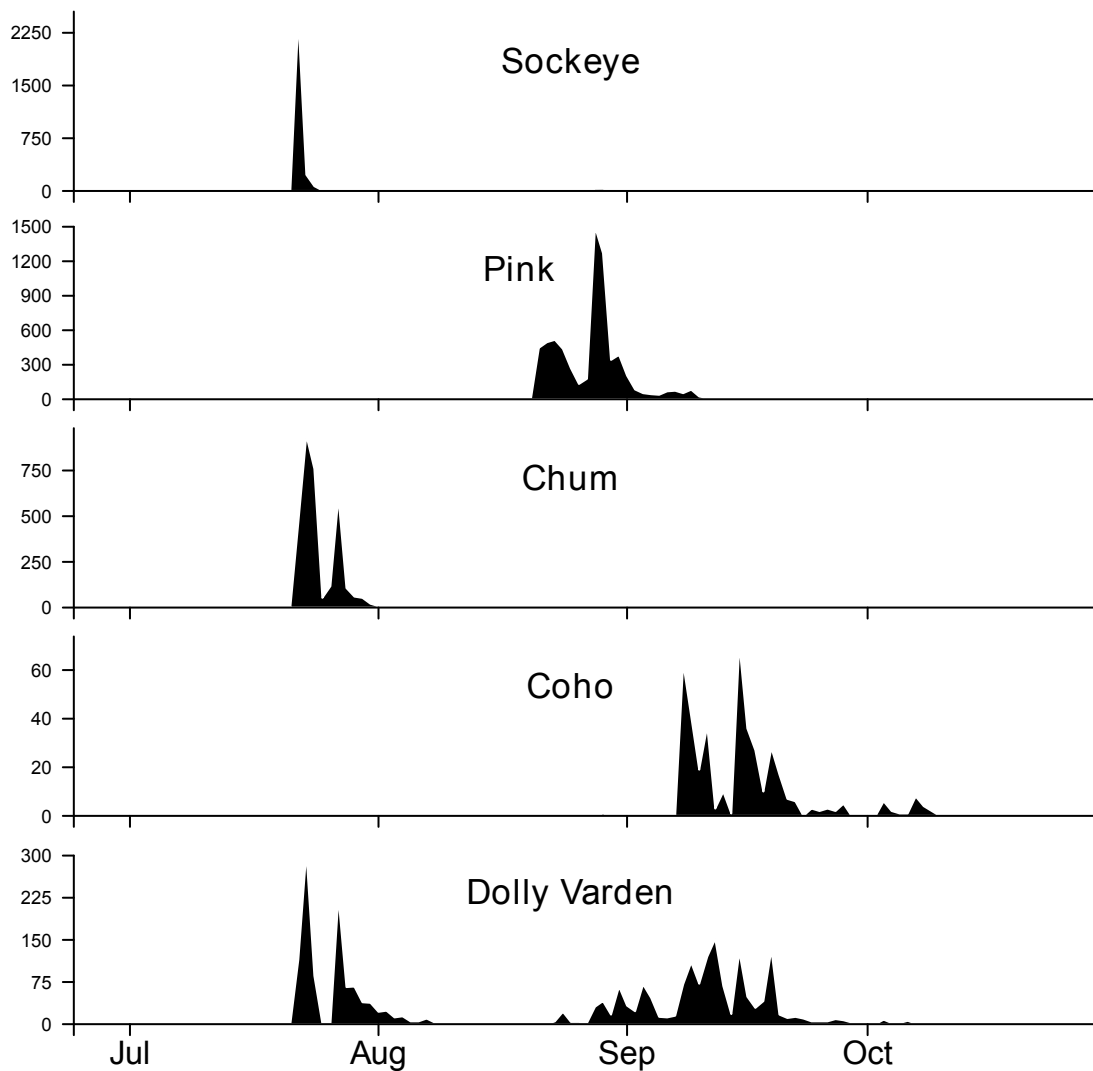
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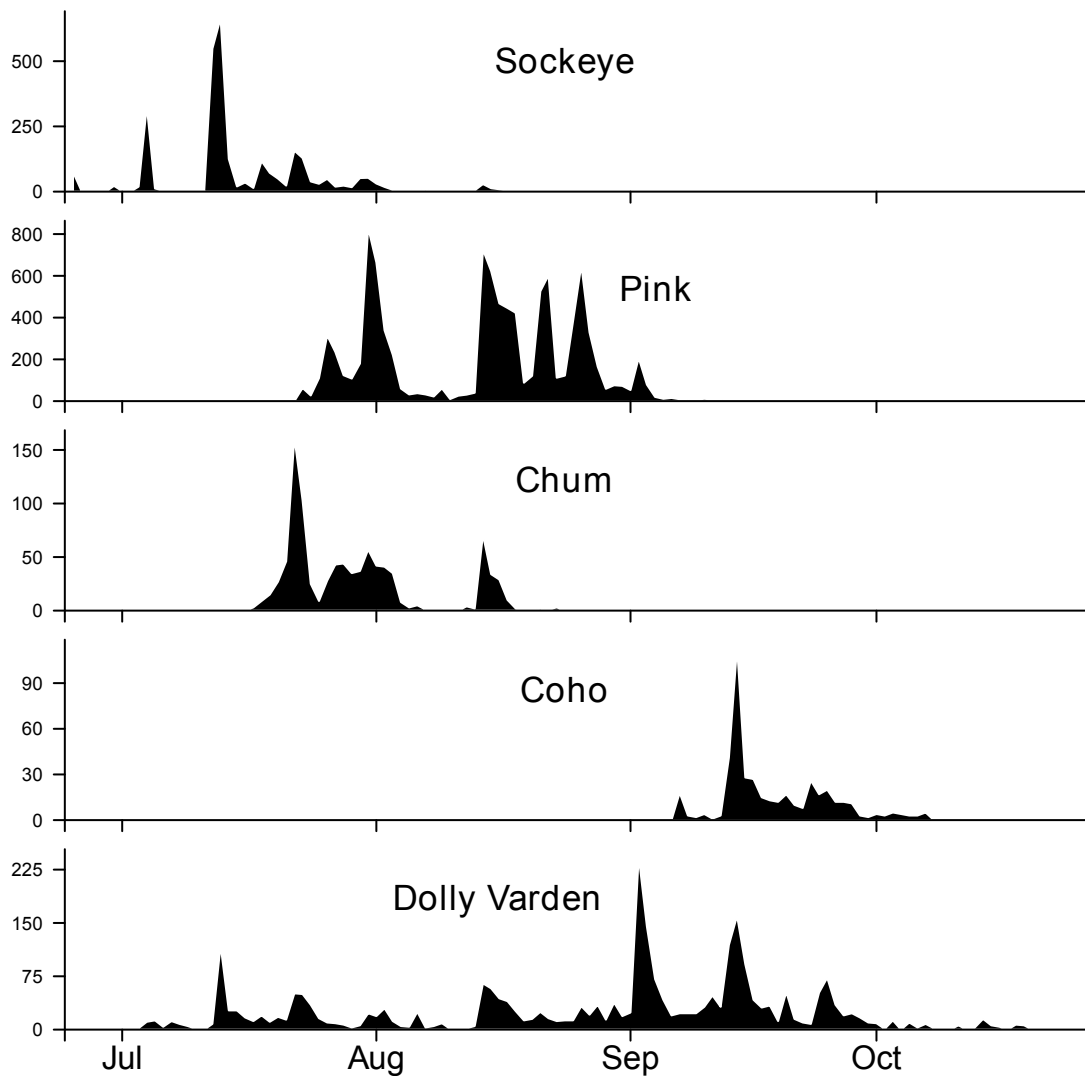
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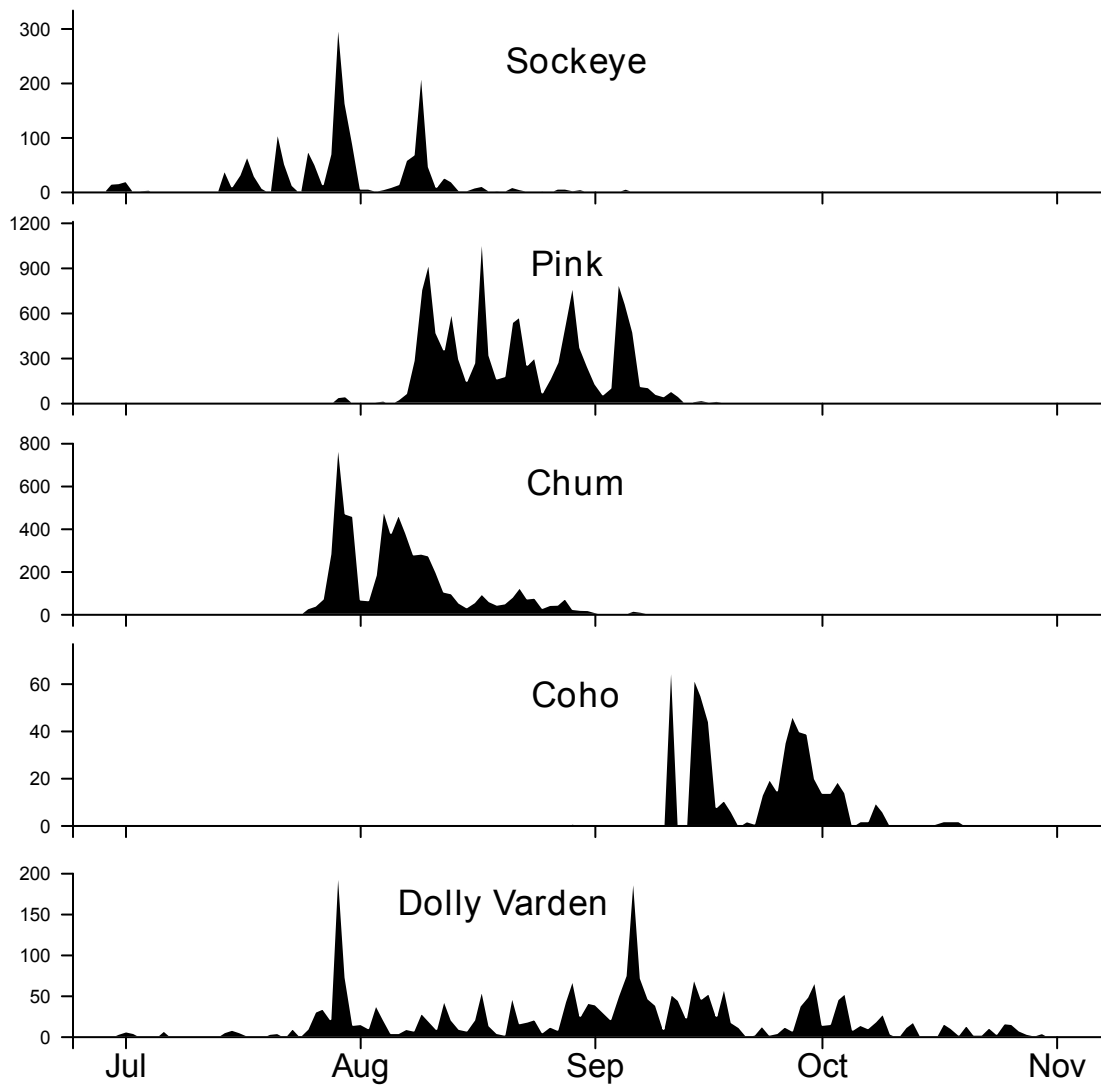
2004



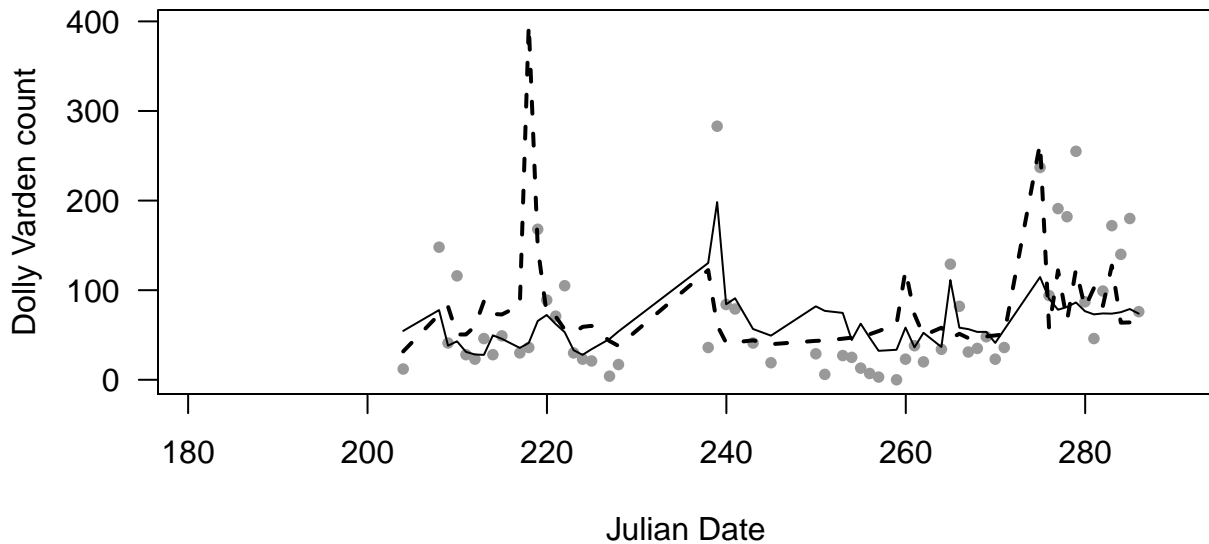
2005



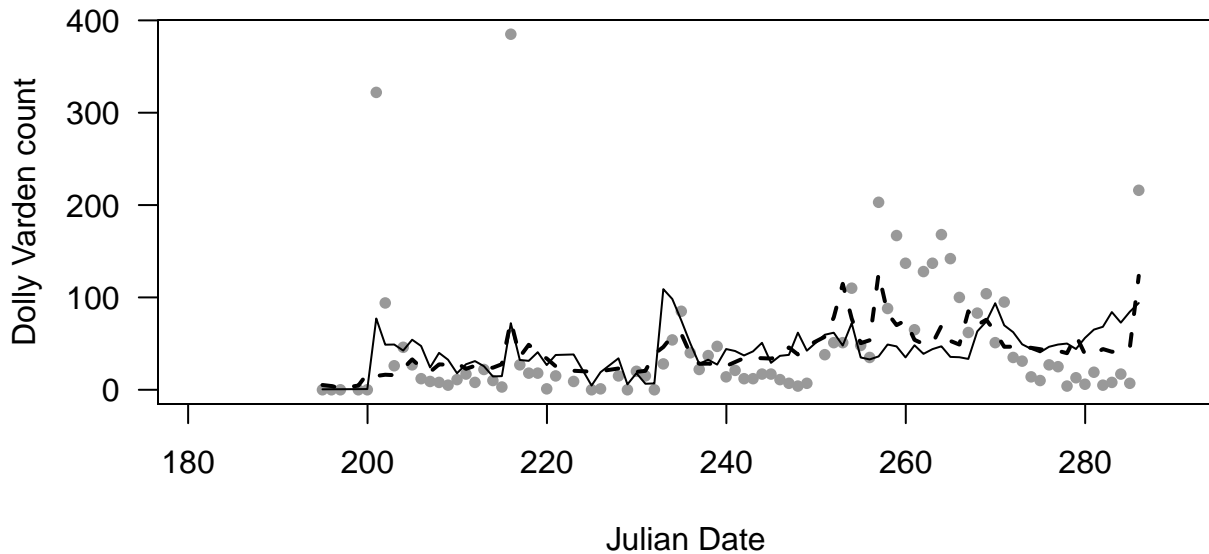
2006



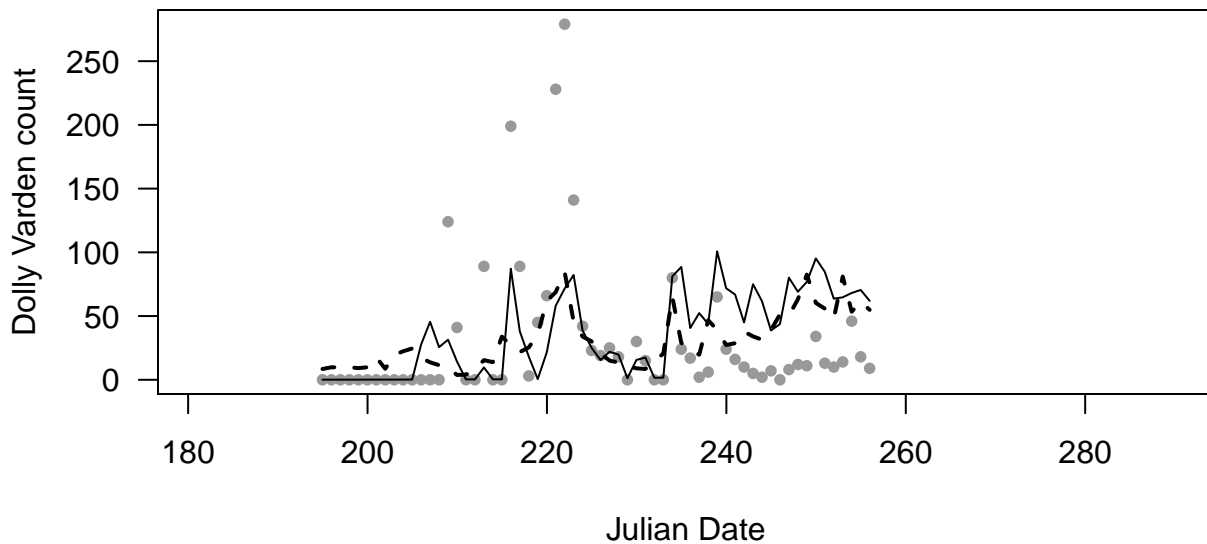
1997



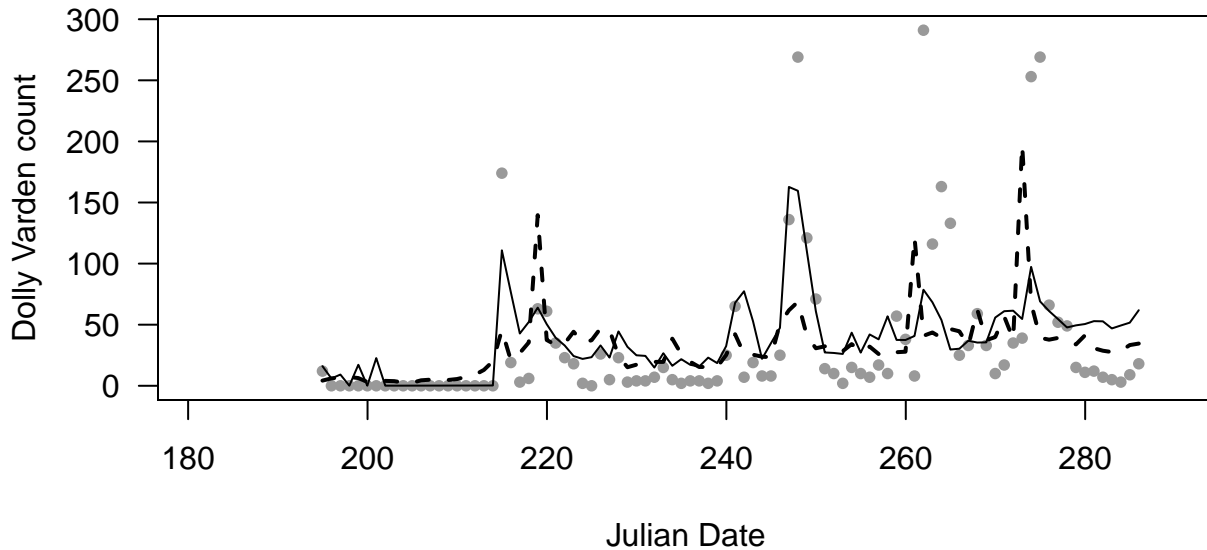
1998



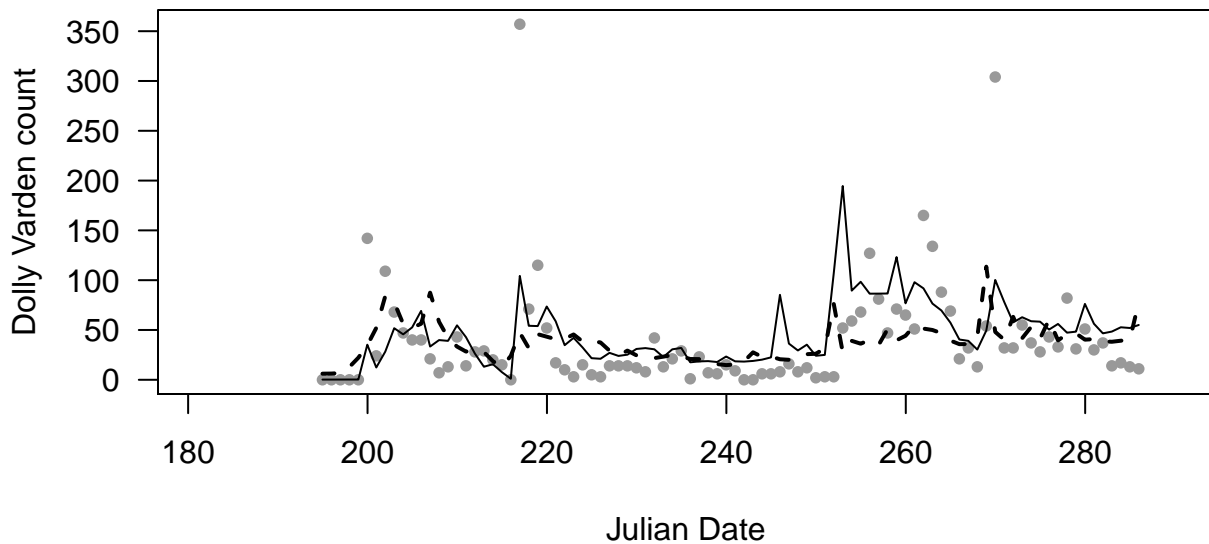
1999



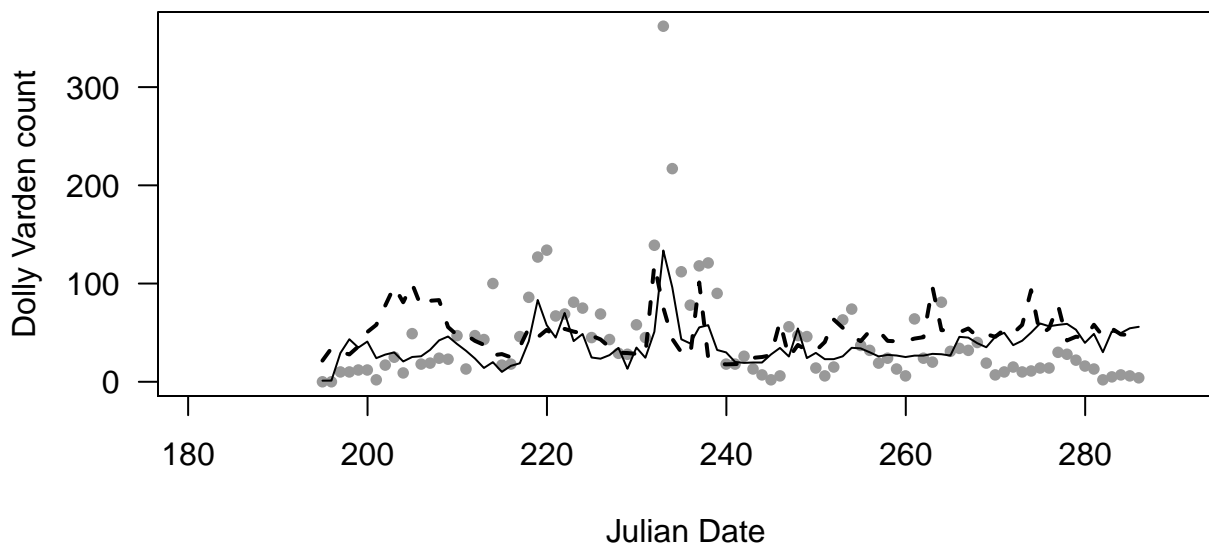
2000



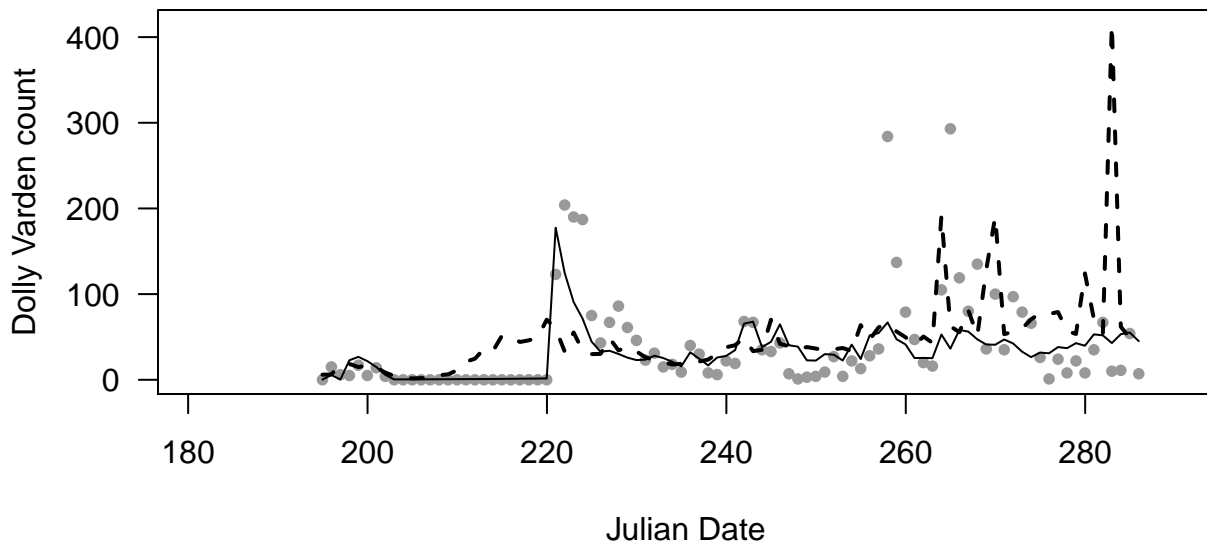
2001



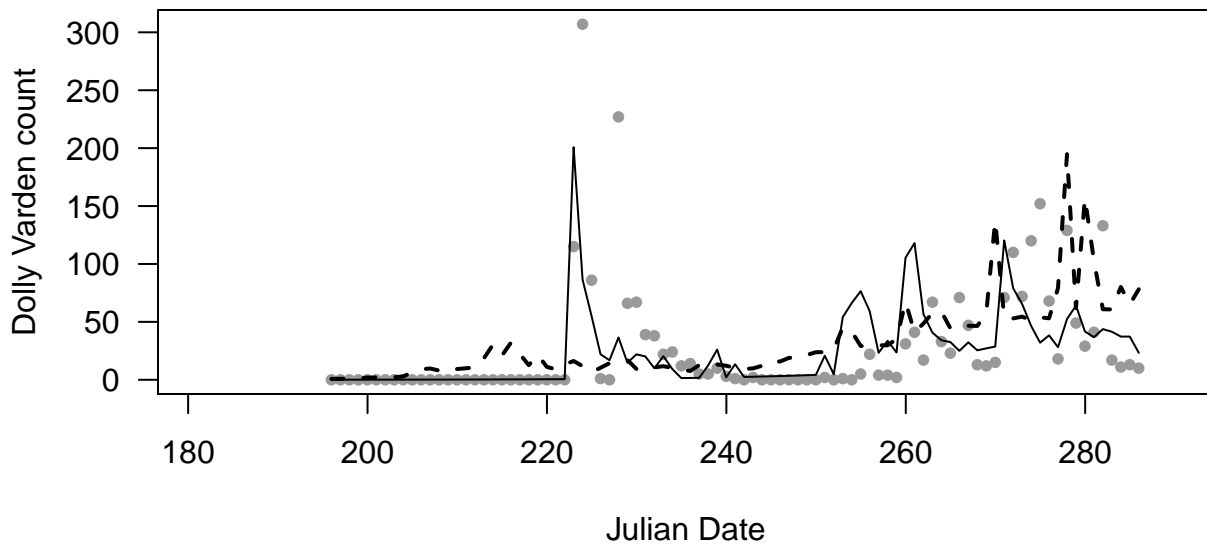
2002



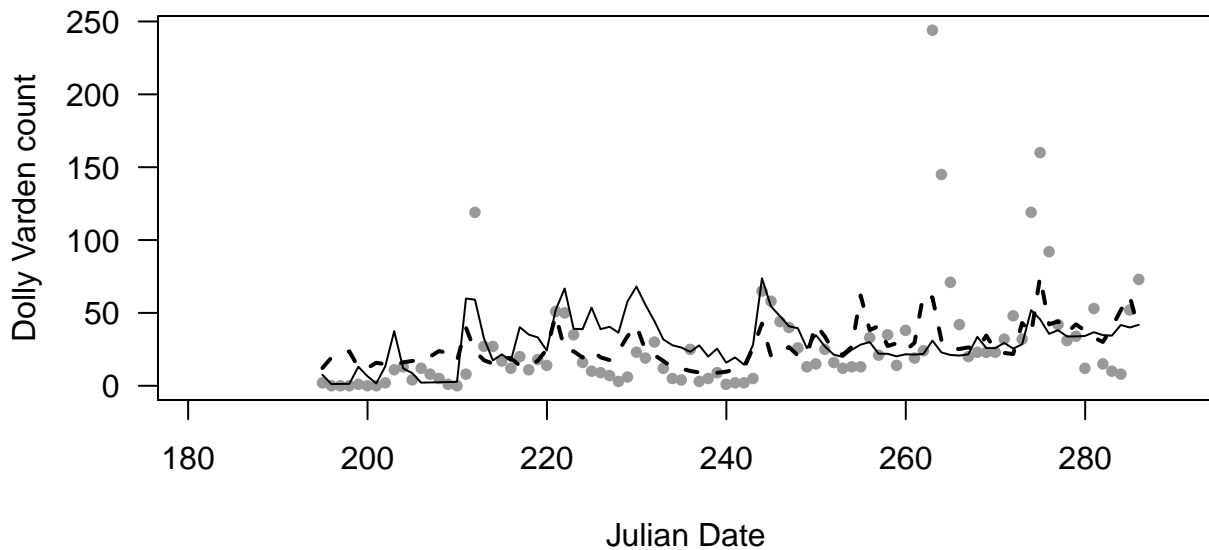
2003



2004



2005



2006

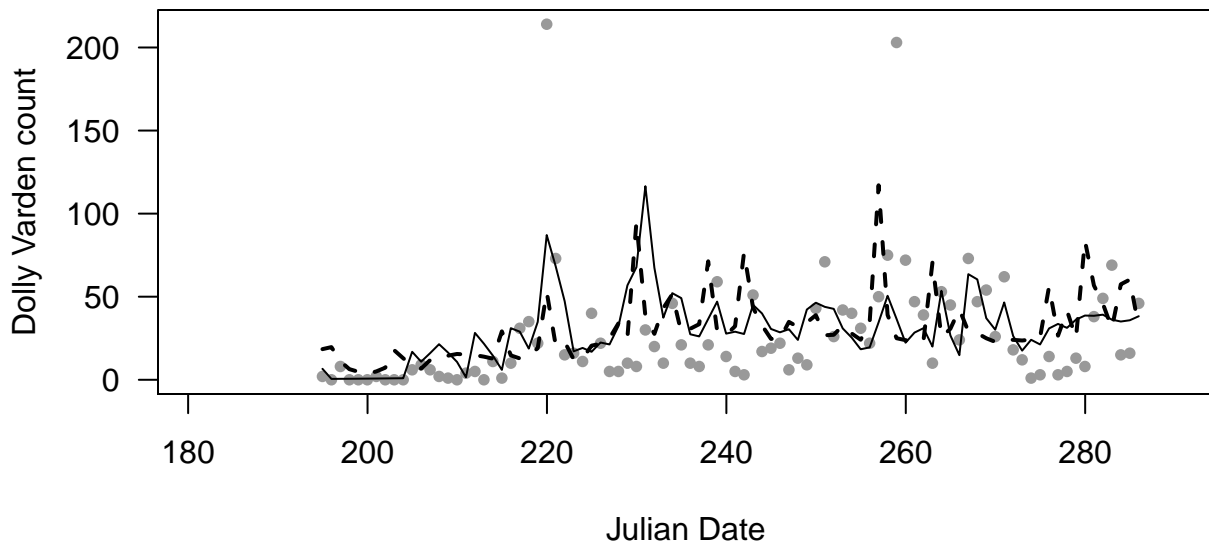


Table S1. Results from the best statistical model predicting Dolly Varden Counts. (A) Presence/absence model results (B) Positive model results.

A

Coefficients	Estimate	SE	z	P (> z)
1997	0.700	1.326	0.528	0.597
1998	1.174	0.975	1.204	0.229
1999	-0.751	0.957	-0.785	0.433
2000	-1.032	0.867	-1.191	0.234
2001	0.364	1.012	0.359	0.719
2002	2.374	1.384	1.715	0.086
2003	0.646	0.932	0.693	0.488
2004	-0.631	0.789	-0.799	0.424
2005	2.608	1.003	2.600	0.009
2006	1.704	1.022	1.667	0.095
Total salmon	0.227	0.178	1.276	0.202
Salmon present/absent	3.894	0.826	4.714	0.000
Julian Date	0.065	0.013	5.168	0.000

B

Coefficients	Estimate	SE	z	P (> z)
Intercept	169.533	0.046	3659.838	0.000
Year	-0.083			
Julian day	0.022	0.003	6.697	0.000
log(sockeye)	0.376	0.031	12.100	0.000
log(pink)	0.078	0.024	3.230	0.001
log(coho)	0.160	0.042	3.809	0.000
log(chum)	0.042	0.025	1.715	0.086
log(theta)	0.047	0.033	1.432	0.152