

**Appendix 1** Population projection matrices built using demographic parameters on Buldir (1990 – 2010), Kasatochi (1996 – 2007), and Kiska (2001 – 2010) islands, Alaska.

<i>Island</i>	<i>Year</i>	$P_1$ (juvenile survival)	$F_2$ (adult fecundity)	$G_1$ (maturation)	$P_2$ (adult survival)	$\lambda$ (population growth rate)
Buldir	1991	0.4114	0.2172	0.3428	0.7542	0.9050
	1992	0.4597	0.1897	0.3950	0.8548	0.9948
	1993	0.3603	0.1759	0.3033	0.6635	0.7882
	1994	0.4324	0.1429	0.3806	0.8130	0.9237
	1995	0.5159	0.2474	0.4353	0.9511	1.1273
	1996	0.4461	0.2098	0.3773	0.8234	0.9735
	1997	0.5235	0.2094	0.4514	0.9749	1.1306
	1998	0.3811	0.1574	0.3274	0.7085	0.8247
	2000	0.4845	0.1683	0.4243	0.9087	1.0377
	2001	0.5071	0.1948	0.4393	0.9464	1.0926
	2002	0.4801	0.2111	0.4095	0.8896	1.0431
	2003	0.4908	0.1187	0.4445	0.9354	1.0328
	2004	0.4412	0.1868	0.3779	0.8192	0.9563
	2005	0.4739	0.2111	0.4035	0.8775	1.0305
	2006	0.5035	0.2639	0.4200	0.9236	1.1072
	2007	0.3994	0.2328	0.3283	0.7277	0.8851
	2008	0.4401	0.2146	0.3706	0.8107	0.9628
	2009	0.4625	0.2603	0.3821	0.8445	1.0222
Kasatochi	1997	0.5034	0.1933	0.4361	0.9395	1.0846
	1998	0.4103	0.1740	0.3514	0.7618	0.8894
	1999	0.4599	0.1618	0.4022	0.8622	0.9858
	2000	0.4506	0.2332	0.3765	0.8270	0.9898
	2001	0.4684	0.2690	0.3859	0.8543	1.0369
	2002	0.4749	0.1814	0.4116	0.8865	1.0228
	2003	0.4775	0.2559	0.3972	0.8747	1.0517
	2004	0.4842	0.1856	0.4195	0.9037	1.0430
	2005	0.4059	0.1362	0.3567	0.7626	0.8678
	2006	0.4364	0.1554	0.3811	0.8175	0.9360
Kiska	2002	0.4326	0.0325	0.4177	0.8503	0.8806
	2003	0.4883	0.1750	0.4262	0.9145	1.0478
	2004	0.4254	0.1839	0.3635	0.7890	0.9233
	2006	0.3542	0.1915	0.2942	0.6484	0.7805
	2007	0.5129	0.2054	0.4422	0.9551	1.1078
	2008	0.3840	0.2252	0.3154	0.6995	0.8515
	2009	0.4132	0.1548	0.3589	0.7721	0.8889