

Reproductive success of planktivorous seabirds in the North Pacific is related to ocean climate on decadal scales

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Supplement. Sample sizes, and raw demographic and phenological data for auklets in the Aleutian Islands, Alaska

Table S1. *Aethia pusilla*, *Aethia pygmaea*, and *Aethia cristatella*. The number of breeding pairs of least (LEAU), crested (CRAU), and whiskered auklets (WHAU) studied on the Aleutian islands Buldir, Kiska, and Kasatochi from 1990 to 2008. ‘–’ indicates years in which no data were collected

Year	Buldir			Kiska		Kasatochi	
	LEAU	CRAU	WHAU	LEAU	CRAU	LEAU	CRAU
1990	61	67	–	–	–	–	–
1991	81	74	46	–	–	–	–
1992	89	79	55	–	–	–	–
1993	44	49	54	–	–	–	–
1994	64	67	57	–	–	–	–
1995	64	66	67	–	–	–	–
1996	57	66	57	–	–	54	43
1997	84	82	90	–	–	91	76
1998	76	70	78	–	–	95	104
1999	–	–	–	–	–	100	110
2000	69	78	70	–	–	89	110
2001	65	75	75	210	31	85	109
2002	50	81	100	205	23	94	109
2003	83	45	44	208	20	110	136
2004	81	67	66	197	31	91	107
2005	73	79	70	–	–	93	103
2006	84	73	68	180	34	77	88
2007	68	66	67	173	36	124	143
2008	67	75	68	157	29	98	109

Table S2. *Aethia pusilla*, *Aethia pygmaea*, and *Aethia cristatella*. Reproductive success (number of chicks fledged per number of eggs laid) of least (LEAU), crested (CRAU), and whiskered auklets (WHAU) on the Aleutian islands Buldir, Kiska, and Kasatochi from 1990 to 2008. Sample sizes are listed in Table S1. ‘–’ indicates years in which no data were collected

Year	Buldir			Kiska		Kasatochi	
	LEAU	CRAU	WHAU	LEAU	CRAU	LEAU	CRAU
1990	0.38	0.49	–	–	–	–	–
1991	0.62	0.58	0.50	–	–	–	–
1992	0.54	0.72	0.60	–	–	–	–
1993	0.50	0.78	0.57	–	–	–	–
1994	0.41	0.69	0.74	–	–	–	–
1995	0.70	0.77	0.67	–	–	–	–
1996	0.60	0.61	0.70	–	–	0.69	0.74
1997	0.60	0.76	0.66	–	–	0.55	0.55
1998	0.45	0.76	0.53	–	–	0.49	0.66
1999	–	–	–	–	–	0.46	0.69
2000	0.48	0.62	0.46	–	–	0.66	0.75
2001	0.55	0.64	0.36	0.13	0.39	0.55	0.45
2002	0.60	0.60	0.48	0.10	0.43	0.53	0.59
2003	0.34	0.11	0.55	0.50	0.45	0.63	0.63
2004	0.53	0.45	0.53	0.52	0.68	0.53	0.70
2005	0.60	0.78	0.76	–	–	0.39	0.61
2006	0.75	0.64	0.62	0.54	0.85	0.44	0.66
2007	0.66	0.85	0.85	0.58	0.58	0.61	0.76
2008	0.70	0.83	0.84	0.64	0.59	0.61	0.77

Table S3. *Aethia pusilla*, *Aethia pygmaea*, and *Aethia cristatella*. Timing of breeding (mean egg hatch date) of least (LEAU), crested (CRAU), and whiskered auklets (WHAU) on the Aleutian islands Buldir, Kiska, and Kasatochi from 1990 to 2008. ‘–’ indicates years in which no data were collected

Year	Buldir			Kiska		Kasatochi	
	LEAU	CRAU	WHAU	LEAU	CRAU	LEAU	CRAU
1990	27 June	25 June	24 June	–	–	–	–
1991	30 June	29 June	27 June	–	–	–	–
1992	29 June	26 June	18 June	–	–	–	–
1993	26 June	27 June	22 June	–	–	–	–
1994	24 June	25 June	19 June	–	–	–	–
1995	29 June	29 June	25 June	–	–	–	–
1996	25 June	26 June	22 June	–	–	25 June	30 June
1997	27 June	28 June	24 June	–	–	28 June	01 July
1998	30 June	05 July	23 June	–	–	03 July	03 July
1999	–	–	–	–	–	30 June	29 June
2000	25 June	29 June	17 June	–	–	28 June	29 June
2001	26 June	29 June	22 June	28 June	–	28 June	30 June
2002	25 June	25 June	24 June	5 July	2 July	27 June	27 June
2003	27 June	02 July	25 June	2 July	–	25 June	29 June
2004	28 June	05 July	21 June	27 June	4 July	30 June	28 June
2005	25 June	25 June	18 June	–	–	29 June	29 June
2006	30 June	09 July	27 June	1 July	7 July	03 July	03 July
2007	27 June	23 June	17 June	28 June	28 June	30 June	01 July
2008	24 June	26 June	21 June	28 June	29 June	30 June	02 July