

Methods/Substrate	Nest Cover	Habitat	Year	Season	Sample Size	productivity	sd	se	ci	Observations
invasive-guano	covered	beach/cave	2001	2	2	0	0	0	0	not included
invasive-guano	covered	beach/cave	2002	2	1	0	NA	NA	NA	not included
invasive-guano	covered	beach/cave	2003	2	2	0	0	0	0	not included
invasive-guano	covered	beach/cave	2004	1	2	2	0	0	0	not included
invasive-guano	covered	beach/cave	2005	1	3	1.333333333	1.15	0.67	2.87	not included
invasive-guano	covered	beach/cave	2005	2	2	1	1.41	1	12.7	not included
invasive-guano	covered	beach/cave	2006	1	1	0	NA	NA	NA	not included
invasive-guano	covered	beach/cave	2006	2	1	0	NA	NA	NA	not included
invasive-guano	covered	beach/cave	2007	1	5	0.8	1.1	0.49	1.36	not included
invasive-guano	covered	beach/cave	2007	2	1	0	NA	NA	NA	not included
invasive-guano	covered	beach/cave	2008	1	1	2	NA	NA	NA	not included
invasive-guano	covered	beach/cave	2008	2	5	0	0	0	0	not included
invasive-guano	covered	beach/cave	2009	1	3	0	0	0	0	not included
invasive-guano	covered	beach/cave	2009	2	2	0	0	0	0	not included
invasive-guano	covered	beach/cave	2010	1	4	0	0	0	0	not included
invasive-guano	covered	beach/cave	2010	2	1	0	NA	NA	NA	not included
invasive-guano	covered	beach/cave	2011	1	3	0	0	0	0	not included
invasive-guano	covered	beach/cave	2012	1	2	0	0	0	0	not included
invasive-other	covered	beach/cave	2000	1	36	0.333333333	0.68	0.11	0.23	main model
invasive-other	covered	beach/cave	2000	2	17	0.117647059	0.49	0.12	0.25	main model
invasive-other	covered	beach/cave	2001	1	31	0.935483871	0.93	0.17	0.34	main model
invasive-other	covered	beach/cave	2001	2	26	0.346153846	0.75	0.15	0.3	main model
invasive-other	covered	beach/cave	2002	1	45	0.8	0.92	0.14	0.28	main model
invasive-other	covered	beach/cave	2002	2	37	0.27027027	0.56	0.09	0.19	main model
invasive-other	covered	beach/cave	2003	1	53	0.867924528	0.94	0.13	0.26	main model
invasive-other	covered	beach/cave	2003	2	25	0.12	0.44	0.09	0.18	main model
invasive-other	covered	beach/cave	2004	1	68	0.985294118	0.91	0.11	0.22	main model
invasive-other	covered	beach/cave	2004	2	45	0.222222222	0.64	0.09	0.19	main model
invasive-other	covered	beach/cave	2005	1	67	0.23880597	0.58	0.07	0.14	main model
invasive-other	covered	beach/cave	2005	2	54	0.259259259	0.62	0.08	0.17	main model
invasive-other	covered	beach/cave	2006	1	76	0.197368421	0.59	0.07	0.13	main model
invasive-other	covered	beach/cave	2006	2	23	0	0	0	0	main model

invasive-other	covered	beach/cave	2007	1	66	0.681818182	0.91	0.11	0.22	main model
invasive-other	covered	beach/cave	2007	2	32	0.03125	0.18	0.03	0.06	main model
invasive-other	covered	beach/cave	2008	1	88	0.465909091	0.79	0.08	0.17	main model
invasive-other	covered	beach/cave	2008	2	70	0	0	0	0	main model
invasive-other	covered	beach/cave	2009	1	55	0.036363636	0.27	0.04	0.07	main model
invasive-other	covered	beach/cave	2009	2	47	0.021276596	0.15	0.02	0.04	main model
invasive-other	covered	beach/cave	2010	1	45	0.022222222	0.15	0.02	0.04	main model
invasive-other	covered	beach/cave	2010	2	23	0	0	0	0	main model
invasive-other	covered	beach/cave	2011	1	34	0.058823529	0.24	0.04	0.08	main model
invasive-other	covered	beach/cave	2012	1	49	0.306122449	0.68	0.1	0.2	main model
invasive-other	covered	beach/cave	2012	2	21	0.238095238	0.54	0.12	0.25	main model
invasive-other	covered	cliff top	2000	1	14	0.285714286	0.61	0.16	0.35	main model
invasive-other	covered	cliff top	2000	2	10	0.2	0.42	0.13	0.3	main model
invasive-other	covered	cliff top	2001	1	5	1.6	0.89	0.4	1.11	not included
invasive-other	covered	cliff top	2001	2	7	0	0	0	0	not included
invasive-other	covered	cliff top	2002	1	11	1.363636364	0.92	0.28	0.62	main model
invasive-other	covered	cliff top	2002	2	9	0	0	0	0	not included
invasive-other	covered	cliff top	2003	1	12	0.416666667	0.79	0.23	0.5	main model
invasive-other	covered	cliff top	2003	2	2	0	0	0	0	not included
invasive-other	covered	cliff top	2004	1	16	1	0.97	0.24	0.51	main model
invasive-other	covered	cliff top	2004	2	17	0.411764706	0.71	0.17	0.37	main model
invasive-other	covered	cliff top	2005	1	28	0.642857143	0.91	0.17	0.35	main model
invasive-other	covered	cliff top	2005	2	19	0.263157895	0.65	0.15	0.31	main model
invasive-other	covered	cliff top	2006	1	35	0.514285714	0.85	0.14	0.29	main model
invasive-other	covered	cliff top	2006	2	7	0	0	0	0	not included
invasive-other	covered	cliff top	2007	1	31	0.774193548	0.88	0.16	0.32	main model
invasive-other	covered	cliff top	2007	2	8	0.25	0.71	0.25	0.59	not included
invasive-other	covered	cliff top	2008	1	32	0.375	0.75	0.13	0.27	main model
invasive-other	covered	cliff top	2008	2	23	0	0	0	0	main model
invasive-other	covered	cliff top	2009	1	33	0.515151515	0.87	0.15	0.31	main model
invasive-other	covered	cliff top	2009	2	18	0	0	0	0	main model
invasive-other	covered	cliff top	2010	1	14	0.285714286	0.73	0.19	0.42	main model
invasive-other	covered	cliff top	2010	2	23	0	0	0	0	main model

invasive-other	covered	cliff top	2011	1	19	0.210526316	0.63	0.14	0.3	main model
invasive-other	covered	cliff top	2012	1	43	0.558139535	0.85	0.13	0.26	main model
invasive-other	covered	cliff top	2012	2	9	0	0	0	0	not included
invasive-other	uncovered	beach/cave	2000	1	1	0	NA	NA	NA	not included
invasive-other	uncovered	beach/cave	2002	1	1	1	NA	NA	NA	not included
invasive-other	uncovered	beach/cave	2002	2	1	1	NA	NA	NA	not included
invasive-other	uncovered	beach/cave	2003	1	1	0	NA	NA	NA	not included
invasive-other	uncovered	beach/cave	2003	2	1	0	NA	NA	NA	not included
invasive-other	uncovered	beach/cave	2004	1	4	1.25	0.96	0.48	1.52	not included
invasive-other	uncovered	beach/cave	2004	2	2	0	0	0	0	not included
invasive-other	uncovered	beach/cave	2005	1	2	0.5	0.71	0.5	6.35	not included
invasive-other	uncovered	beach/cave	2005	2	3	0	0	0	0	not included
invasive-other	uncovered	beach/cave	2006	1	8	0	0	0	0	not included
invasive-other	uncovered	beach/cave	2006	2	5	0.2	0.45	0.2	0.56	not included
invasive-other	uncovered	beach/cave	2007	1	6	1	1.1	0.45	1.15	not included
invasive-other	uncovered	beach/cave	2007	2	6	0	0	0	0	not included
invasive-other	uncovered	beach/cave	2008	1	12	0.583333333	0.9	0.26	0.57	main model
invasive-other	uncovered	beach/cave	2008	2	10	0	0	0	0	main model
invasive-other	uncovered	beach/cave	2009	1	6	0	0	0	0	not included
invasive-other	uncovered	beach/cave	2009	2	9	0	0	0	0	not included
invasive-other	uncovered	beach/cave	2010	1	3	0	0	0	0	not included
invasive-other	uncovered	beach/cave	2010	2	1	0	NA	NA	NA	not included
invasive-other	uncovered	beach/cave	2011	1	4	0	0	0	0	not included
invasive-other	uncovered	beach/cave	2011	2	1	0	NA	NA	NA	not included
invasive-other	uncovered	beach/cave	2012	1	11	0.545454545	0.93	0.28	0.63	main model
invasive-other	uncovered	beach/cave	2012	2	2	0	0	0	0	not included
invasive-other	uncovered	cliff top	2012	1	1	2	NA	NA	NA	not included
invasive-other	uncovered	cliff top	2012	2	1	0	NA	NA	NA	not included
non invasive-guano	artificial	cliff top	2012	1	42	1	0.73	0.11	0.23	only in artificial nest model
non invasive-guano	artificial	cliff top	2012	2	37	0.378378378	0.64	0.11	0.21	only in artificial nest model
non invasive-guano	covered	beach/cave	2012	1	48	0.708333333	0.82	0.12	0.24	analyzed in model 1 and 2
non invasive-guano	covered	beach/cave	2012	2	34	0.705882353	0.8	0.14	0.28	analyzed in main model and artificial nest model
non invasive-guano	covered	cliff top	2000	1	7	0.714285714	0.95	0.36	0.88	not included

non invasive-guano	covered	cliff top	2000	2	11	0.090909091	0.3	0.09	0.2	main model
non invasive-guano	covered	cliff top	2001	1	7	0.571428571	0.98	0.37	0.9	not included
non invasive-guano	covered	cliff top	2001	2	6	0	0	0	0	not included
non invasive-guano	covered	cliff top	2002	1	12	0.5	0.8	0.23	0.51	main model
non invasive-guano	covered	cliff top	2002	2	19	0.263157895	0.65	0.15	0.31	main model
non invasive-guano	covered	cliff top	2003	1	42	0.785714286	0.87	0.13	0.27	main model
non invasive-guano	covered	cliff top	2003	2	25	0	0	0	0	main model
non invasive-guano	covered	cliff top	2004	1	65	0.630769231	0.84	0.1	0.21	main model
non invasive-guano	covered	cliff top	2004	2	10	0	0	0	0	main model
non invasive-guano	covered	cliff top	2005	1	44	1.068181818	0.9	0.14	0.27	main model
non invasive-guano	covered	cliff top	2005	2	27	0.148148148	0.46	0.09	0.18	main model
non invasive-guano	covered	cliff top	2006	1	39	0.948717949	0.79	0.13	0.26	main model
non invasive-guano	covered	cliff top	2006	2	30	0.7	0.79	0.15	0.3	main model
non invasive-guano	covered	cliff top	2007	1	67	0.865671642	0.81	0.1	0.2	main model
non invasive-guano	covered	cliff top	2007	2	34	0.441176471	0.7	0.12	0.25	main model
non invasive-guano	covered	cliff top	2012	1	74	0.959459459	0.87	0.1	0.2	analyzed in main model and artificial nest model
non invasive-guano	covered	cliff top	2012	2	40	0.5	0.64	0.1	0.2	analyzed in main model and artificial nest model
non invasive-guano	uncovered	beach/cave	2012	1	81	0.864197531	0.86	0.1	0.19	analyzed in main model and artificial nest model
non invasive-guano	uncovered	beach/cave	2012	2	43	0.651162791	0.78	0.12	0.24	analyzed in main model and artificial nest model
non invasive-guano	uncovered	cliff top	2000	1	76	0.473684211	0.74	0.08	0.17	main model
non invasive-guano	uncovered	cliff top	2000	2	57	0	0	0	0	main model
non invasive-guano	uncovered	cliff top	2001	1	42	0.452380952	0.71	0.11	0.22	main model
non invasive-guano	uncovered	cliff top	2001	2	64	0	0	0	0	main model
non invasive-guano	uncovered	cliff top	2002	1	33	0.696969697	0.77	0.13	0.27	main model
non invasive-guano	uncovered	cliff top	2002	2	32	0.4375	0.76	0.13	0.27	main model
non invasive-guano	uncovered	cliff top	2003	1	32	0.59375	0.87	0.15	0.32	main model
non invasive-guano	uncovered	cliff top	2003	2	21	0.047619048	0.22	0.05	0.1	main model
non invasive-guano	uncovered	cliff top	2004	1	119	0.663865546	0.85	0.08	0.15	main model
non invasive-guano	uncovered	cliff top	2004	2	35	0	0	0	0	main model
non invasive-guano	uncovered	cliff top	2005	1	58	0.724137931	0.85	0.11	0.22	main model
non invasive-guano	uncovered	cliff top	2005	2	47	0.127659574	0.45	0.07	0.13	main model
non invasive-guano	uncovered	cliff top	2006	1	78	0.756410256	0.82	0.09	0.19	main model
non invasive-guano	uncovered	cliff top	2006	2	72	0.541666667	0.8	0.09	0.19	main model

non invasive-guano	uncovered	cliff top	2007	1	88	0.477272727	0.71	0.08	0.15	main model
non invasive-guano	uncovered	cliff top	2007	2	84	0.238095238	0.55	0.06	0.12	main model
non invasive-guano	uncovered	cliff top	2012	1	191	0.811518325	0.82	0.06	0.12	analyzed in main model and artificial nest model
non invasive-guano	uncovered	cliff top	2012	2	117	0.641025641	0.75	0.07	0.14	analyzed in main model and artificial nest model
non invasive-other	artificial	cliff top	2012	1	36	0.611111111	0.77	0.13	0.26	only in artificial nest model
non invasive-other	artificial	cliff top	2012	2	26	0.115384615	0.33	0.06	0.13	only in artificial nest model