

# Raw Data

Table 1: Table S1. Landings data and environmental covariates, part 1. N=Oct-Mar Kerala landings. S=Jul-Sep Kerala landings. Values have been rounded to 2 digits. ns- = nearshore (0-80km) boxes 2 to 5 in Figure 1 (main text). r- = regional (0-160km) boxes 1 to 5 and 7 to 10.

Year	N	S	Jun-Jul o-Precip	Apr-May o-Precip	Jun-Jul l-Precip	Apr-May l-Precip	ONI	Sep-Nov DMI	2.5 yr ave DMI	Jun-Sep Bakun UPW
1956	9.76	5.19	NA	NA	611.10	251.45	-0.58	-0.31	NA	NA
1957	12.27	9.81	NA	NA	853.65	225.70	0.96	-0.12	NA	NA
1958	11.02	8.99	NA	NA	668.00	244.30	0.83	-0.63	-0.20	NA
1959	10.15	8.56	NA	NA	1014.25	248.95	0.14	-0.32	-0.30	NA
1960	12.27	10.27	NA	NA	615.60	373.30	0.07	-0.42	-0.37	NA
1961	11.58	9.26	NA	NA	1075.85	297.30	-0.02	0.77	-0.27	NA
1962	11.19	8.49	NA	NA	598.00	283.75	-0.22	0.10	0.08	NA
1963	10.66	8.18	NA	NA	556.75	126.70	0.66	0.61	0.27	NA
1964	12.33	10.42	NA	NA	566.80	89.05	-0.34	-0.42	0.18	NA
1965	11.61	10.41	NA	NA	531.40	162.15	0.90	0.20	0.00	NA
1966	12.01	10.96	NA	NA	549.05	131.30	0.38	0.15	-0.16	NA
1967	12.06	10.23	NA	NA	641.55	157.50	-0.31	0.44	0.02	361.96
1968	12.06	10.97	NA	NA	1002.65	111.65	0.14	-0.23	0.19	1001.08
1969	11.66	9.62	NA	NA	684.65	172.30	0.74	0.18	0.13	320.38
1970	12.06	10.76	NA	NA	546.70	210.90	-0.32	-0.17	0.11	248.03
1971	11.72	9.87	NA	NA	769.10	215.25	-0.94	-0.11	0.10	388.74
1972	10.97	9.37	NA	NA	558.10	261.75	0.93	0.78	0.15	378.01
1973	11.21	9.85	NA	NA	600.25	125.70	-0.62	-0.11	0.31	553.12
1974	11.40	9.63	NA	NA	635.55	174.75	-0.89	-0.34	0.29	503.45
1975	10.94	9.43	NA	NA	697.85	143.00	-1.05	-0.40	0.03	504.33
1976	11.38	9.12	NA	NA	419.15	105.15	-0.05	0.13	0.05	444.57
1977	11.26	9.75	NA	NA	676.45	204.35	0.51	0.28	0.12	435.16
1978	11.54	9.73	NA	NA	722.40	235.35	-0.10	-0.06	0.13	498.40
1979	11.25	10.15	7.13	0.64	622.55	84.85	0.25	0.06	0.03	679.70
1980	10.72	8.69	7.28	2.97	749.95	110.05	0.25	-0.26	-0.02	467.86
1981	11.80	10.29	8.01	3.16	701.10	121.10	-0.27	-0.22	-0.01	360.28
1982	11.63	10.26	7.92	2.01	561.85	104.30	0.99	0.78	-0.01	158.49
1983	11.71	8.77	5.53	0.33	453.00	44.55	0.48	0.11	0.15	420.36
1984	11.39	9.55	8.25	3.98	748.10	123.35	-0.51	-0.21	0.22	454.20
1985	10.76	9.86	6.83	4.50	608.80	160.40	-0.60	0.12	-0.04	542.46
1986	9.19	5.24	7.05	2.46	461.35	94.90	0.25	0.19	-0.08	631.25
1987	9.43	10.36	4.53	2.30	396.80	82.75	1.28	0.53	-0.01	476.04
1988	11.24	9.85	12.44	3.25	507.05	167.40	-0.81	-0.02	0.15	238.77
1989	11.46	11.22	8.56	3.53	554.10	155.45	-0.60	0.02	0.12	316.99
1990	11.50	10.97	5.94	3.29	582.00	265.15	0.32	0.13	-0.05	352.55
1991	10.42	9.49	11.92	1.49	1000.80	105.20	0.65	0.36	0.02	298.60
1992	9.88	8.80	8.99	4.07	793.55	130.70	0.63	-0.28	0.06	270.65
1993	9.80	9.69	9.30	2.97	716.60	112.75	0.31	0.17	0.03	232.04

Year	N	S	Jun-Jul o-Precip	Apr-May o-Precip	Jun-Jul l-Precip	Apr-May l-Precip	ONI	Sep-Nov DMI	2.5 yr ave DMI	Jun-Sep Bakun UPW
1994	6.57	5.91	8.72	4.01	900.25	147.90	0.48	0.84	-0.01	147.73
1995	9.67	8.27	6.69	1.96	597.95	245.25	-0.16	0.06	0.31	211.98
1996	10.64	9.29	7.67	2.16	634.20	99.30	-0.46	-0.53	0.30	174.91
1997	10.57	9.61	8.29	1.97	757.35	97.10	1.17	1.30	0.02	105.08
1998	10.93	10.09	8.42	2.66	686.95	106.35	-0.06	-0.28	0.26	-10.37
1999	11.45	10.80	7.42	5.22	653.85	282.40	-1.23	0.22	0.33	69.47
2000	11.20	11.31	5.18	4.82	488.50	110.40	-0.84	0.16	0.16	195.69
2001	11.11	10.78	9.07	7.39	648.30	238.25	-0.31	0.03	0.20	126.03
2002	11.98	11.15	5.54	4.52	404.95	228.80	0.63	0.60	0.14	134.28
2003	11.88	10.83	10.15	1.87	518.10	108.55	0.25	0.18	0.14	94.71
2004	11.90	11.04	6.97	4.65	545.80	353.60	0.45	0.25	0.16	387.97
2005	11.82	10.91	6.72	4.73	756.00	170.10	0.04	-0.07	0.13	429.31
2006	11.87	10.81	4.97	5.62	573.25	297.10	0.10	0.83	0.03	464.25
2007	12.01	11.00	11.90	3.26	866.75	173.05	-0.58	0.43	0.18	369.20
2008	11.51	11.06	8.74	2.55	493.35	91.15	-0.76	0.34	0.32	317.37
2009	11.58	11.21	8.07	4.61	680.55	129.10	0.31	0.27	0.33	405.72
2010	12.27	10.63	10.02	3.86	649.55	165.05	-0.45	-0.06	0.31	99.47
2011	12.18	11.01	6.85	4.11	664.45	143.40	-0.83	0.63	0.27	110.04
2012	12.44	11.71	5.78	1.94	402.60	140.65	-0.13	0.49	0.28	131.89
2013	11.40	9.92	8.88	3.36	936.45	84.30	-0.29	0.25	0.32	158.15
2014	11.30	10.76	5.05	3.31	566.10	173.35	0.14	0.33	0.21	216.61
2015	NA	10.20	8.32	3.62	687.95	174.65	1.49	0.70	0.14	152.07

Table 2: Table S2. Landings data and environmental covariates, part 1.

Year	Apr-May r-SST	Oct-Dec ns-SST	Jun-Sep sst-diff UPW	Jun-Sep ns-SST	2.5 yr ave r-SST	Jul-Sep log CHL	Oct-Dec log CHL
1982	29.41	29.18	1.43	26.51	NaN	NaN	NaN
1983	29.27	28.76	0.70	27.67	28.48	NaN	NaN
1984	29.49	28.39	1.87	25.70	28.49	NaN	NaN
1985	29.53	28.54	1.44	25.91	28.38	NaN	NaN
1986	29.46	28.23	1.26	25.86	28.22	NaN	NaN
1987	30.02	29.54	1.12	26.93	28.27	NaN	NaN
1988	29.69	28.60	0.56	27.08	28.54	NaN	NaN
1989	29.78	28.53	1.24	26.03	28.67	NaN	NaN
1990	29.43	28.92	1.22	26.06	28.35	NaN	NaN
1991	29.72	28.13	1.04	26.43	28.28	NaN	NaN
1992	29.49	28.47	0.98	26.50	28.23	NaN	NaN
1993	29.47	28.77	0.47	27.04	28.22	NaN	NaN
1994	29.36	28.56	1.48	26.11	28.25	NaN	NaN
1995	30.12	28.73	0.88	26.79	28.39	NaN	NaN
1996	29.51	28.32	0.78	26.28	28.43	NaN	NaN
1997	30.19	29.80	0.93	27.64	28.56	0.09	-0.90
1998	30.60	28.45	-0.10	27.79	28.87	1.46	-0.06
1999	28.86	28.16	0.74	26.72	28.91	1.45	0.07
2000	29.11	29.13	1.12	26.72	28.53	1.65	-0.56
2001	29.38	28.62	1.30	26.19	28.32	1.54	-0.08
2002	29.84	28.80	1.12	26.73	28.37	1.85	-0.32
2003	29.72	28.67	1.15	26.90	28.46	2.12	0.22
2004	29.70	29.14	1.07	26.67	28.58	2.49	-0.01
2005	30.01	28.67	0.78	27.45	28.69	1.75	0.70
2006	29.40	28.96	0.63	27.72	28.71	2.07	-0.14
2007	29.81	28.60	0.27	27.87	28.82	1.69	-0.28
2008	29.18	28.92	0.62	27.49	28.70	1.57	-0.43
2009	29.78	29.03	0.66	27.48	28.71	1.90	1.04
2010	30.31	28.57	1.01	27.51	28.82	1.92	0.38
2011	29.57	29.06	1.06	27.45	28.81	1.84	0.25
2012	29.31	29.38	0.69	27.66	28.78	1.52	-0.14
2013	29.79	28.64	1.18	26.70	28.78	1.71	0.04
2014	29.88	29.02	0.59	27.78	28.72	1.73	-0.54
2015	30.00	29.55	0.39	28.42	28.79	0.94	-0.63