

# Contents

USE THIS .Rmd TO TEST R CODE CHUNKS, FIGURES AND PLOTS BEFORE INSERTING INTO THE MAIN TEXT OR TO DEBUG

Table 1: Commercial landings and discards (mt) from the commercial fisheries. Data sources are the California Catch Reconstruction, CALCOM, and WCGOP GEMM report.

Year	Landings	Discards	Total Commercial Removals	Source
1916	3.88	0.38	4.27	Catch Reconstruction
1917	6.03	0.59	6.63	Catch Reconstruction
1918	7.06	0.69	7.75	Catch Reconstruction
1919	4.91	0.48	5.39	Catch Reconstruction
1920	5.01	0.49	5.50	Catch Reconstruction
1921	4.13	0.41	4.54	Catch Reconstruction
1922	3.56	0.35	3.90	Catch Reconstruction
1923	3.84	0.38	4.22	Catch Reconstruction
1924	2.22	0.22	2.44	Catch Reconstruction
1925	2.78	0.27	3.05	Catch Reconstruction
1926	4.48	0.44	4.92	Catch Reconstruction
1927	3.81	0.37	4.18	Catch Reconstruction
1928	4.60	0.45	5.06	Catch Reconstruction
1929	3.81	0.37	4.18	Catch Reconstruction
1930	5.40	0.53	5.93	Catch Reconstruction
1931	1.93	0.19	2.11	Catch Reconstruction
1932	6.24	0.61	6.85	Catch Reconstruction
1933	2.58	0.25	2.84	Catch Reconstruction
1934	1.75	0.17	1.92	Catch Reconstruction
1935	0.43	0.04	0.47	Catch Reconstruction
1936	0.01	0.00	0.01	Catch Reconstruction
1937	7.27	0.71	7.98	Catch Reconstruction
1938	10.29	1.01	11.30	Catch Reconstruction
1939	13.13	1.29	14.42	Catch Reconstruction
1940	16.90	1.66	18.56	Catch Reconstruction
1941	17.06	1.67	18.73	Catch Reconstruction
1942	8.55	0.84	9.38	Catch Reconstruction
1943	11.00	1.08	12.08	Catch Reconstruction
1944	0.05	0.00	0.05	Catch Reconstruction
1945	0.59	0.06	0.65	Catch Reconstruction
1946	16.71	1.64	18.35	Catch Reconstruction
1947	26.71	2.62	29.33	Catch Reconstruction
1948	23.95	2.35	26.30	Catch Reconstruction
1949	18.29	1.79	20.09	Catch Reconstruction

*Continues next page*

Table 1: Commercial landings and discards (mt) from the commercial fisheries. Data sources are the California Catch Reconstruction, CALCOM, and WCGOP GEMM report. tab:CommCatches

Year	Landings	Discards	Total Commercial Removals	Source
1950	17.15	1.68	18.83	Catch Reconstruction
1951	24.83	2.44	27.26	Catch Reconstruction
1952	27.59	2.71	30.29	Catch Reconstruction
1953	32.30	3.17	35.47	Catch Reconstruction
1954	40.75	4.00	44.74	Catch Reconstruction
1955	29.49	2.89	32.38	Catch Reconstruction
1956	40.66	3.99	44.65	Catch Reconstruction
1957	37.52	3.68	41.20	Catch Reconstruction
1958	33.56	3.29	36.86	Catch Reconstruction
1959	19.62	1.92	21.54	Catch Reconstruction
1960	11.30	1.11	12.41	Catch Reconstruction
1961	17.49	1.72	19.20	Catch Reconstruction
1962	27.18	2.67	29.85	Catch Reconstruction
1963	22.29	2.19	24.48	Catch Reconstruction
1964	16.55	1.62	18.17	Catch Reconstruction
1965	21.50	2.11	23.61	Catch Reconstruction
1966	13.44	1.32	14.76	Catch Reconstruction
1967	6.70	0.66	7.36	Catch Reconstruction
1968	8.29	0.81	9.10	Catch Reconstruction
1969	9.99	0.98	10.97	CALCOM
1970	14.21	1.39	15.60	CALCOM
1971	14.41	1.41	15.83	CALCOM
1972	19.42	1.91	21.33	CALCOM
1973	31.43	3.08	34.51	CALCOM
1974	33.41	3.28	36.69	CALCOM
1975	33.08	3.25	36.33	CALCOM
1976	33.90	3.33	37.23	CALCOM
1977	30.13	2.96	33.09	CALCOM
1978	43.41	4.26	47.67	CALCOM
1979	34.24	3.36	37.60	CALCOM
1980	63.65	6.24	69.89	CALCOM
1981	52.67	5.17	57.84	CALCOM
1982	38.96	3.82	42.78	CALCOM
1983	26.89	2.64	29.52	CALCOM
1984	14.82	1.45	16.27	CALCOM
1985	8.42	0.83	9.25	CALCOM
1986	25.49	2.50	27.99	CALCOM
1987	34.21	3.36	37.57	CALCOM

*Continues next page*

Table 1: Commercial landings and discards (mt) from the commercial fisheries. Data sources are the California Catch Reconstruction, CALCOM, and WCGOP GEMM report. tab:CommCatches

Year	Landings	Discards	Total Commercial Removals	Source
1988	55.73	5.47	61.20	CALCOM
1989	45.48	4.46	49.94	CALCOM
1990	46.77	4.59	51.36	CALCOM
1991	68.85	6.75	75.60	CALCOM
1992	83.99	8.24	92.23	CALCOM
1993	74.09	7.27	81.35	CALCOM
1994	60.06	5.89	65.95	CALCOM
1995	91.42	8.97	100.39	CALCOM
1996	94.71	9.29	104.00	CALCOM
1997	69.37	6.81	76.18	CALCOM
1998	65.28	6.40	71.68	CALCOM
1999	62.70	6.15	68.85	CALCOM
2000	53.91	5.29	59.20	CALCOM
2001	53.41	5.24	58.65	CALCOM
2002	42.28	4.15	46.42	CALCOM
2003	20.18	13.04	33.22	CALCOM & WCGOP
2004	26.27	2.66	28.93	CALCOM & WCGOP
2005	28.09	3.33	31.42	CALCOM & WCGOP
2006	23.87	4.10	27.96	CALCOM & WCGOP
2007	30.14	4.50	34.64	CALCOM & WCGOP
2008	36.06	1.63	37.69	CALCOM & WCGOP
2009	35.42	5.38	40.80	CALCOM & WCGOP
2010	38.65	3.92	42.57	CALCOM & WCGOP
2011	42.28	5.72	48.01	CALCOM & WCGOP
2012	33.46	1.93	35.39	CALCOM & WCGOP
2013	33.17	2.85	36.02	CALCOM & WCGOP
2014	36.15	2.85	39.00	CALCOM & WCGOP
2015	43.18	2.93	46.11	CALCOM & WCGOP
2016	36.84	2.42	39.26	CALCOM & WCGOP
2017	41.51	1.65	43.15	CALCOM & WCGOP
2018	46.08	2.54	48.62	CALCOM & WCGOP