Stock Name: Cowcod - Southern California

Assessed in: September 2013

Parameter Name	Catch	Abundance	Spawners
Type	Kill_Bio	Summary Biomass	Relative Depletion
Source	Model	Model	Model
Basis	Biomass-mt	Biomass-mt	Relative to Unfished
Range	Exploitable_dead	Age_11+	All
Statistic	External to Model	Median	Median
Scale	1	1	1
Year			
1900	0	3099	1.0
1901	5	3099	1.0
1902	11	3093	1.0
1903	16	3083	1.0
1904	21	3069	1.0
1905	27	3050	1.0
1906	32	3026	1.0
1907	37	2999	1.0
1908	43	2967	1.0
1909	48	2932	.9
1910	53	2895	.9
1911	59	2854	.9
1912	64	2810	.9
1913	69	2762	.9
1914	75	2713	.9
1915	80	2659	.9
1916	85	2600	.8
1917	138	2545	.8
1918	126	2444	.8
1919	75	2357	.8
1920	82	2328	.8
1921	71	2295	.7
1922	70	2272	.7
1923	94	2254	.7
1924	126	2216	.7
1925	138	2145	.7
1926	171	2064	.7
1927	142	1957	.6
1928	111	1888	.6
1929	103	1850	.6

1930	127	1820	.6
1931	161	1772	.6
1932	110	1691	.6
1933	82	1664	.5
1934	71	1665	.5
1935	53	1680	.6
1936	21	1708	.6
1937	25	1767	.6
1938	19	1808	.6
1939	22	1853	.6
1940	24	1896	.6
1941	29	1932	.6
1942	11	1954	.6
1943	12	1991	.6
1944	2	2029	.7
1945	5	2072	.7
1946	12	2116	.7
1947	19	2156	.7
1948	30	2182	.7
1949	39	2197	.7
1950	44	2205	.7
1951	49	2207	.7
1952	37	2205	.7
1953	31	2220	.7
1954	47	2238	.7
1955	52	2241	.7
1956	65	2237	.7
1957	56	2219	.7
1958	56	2215	.7
1959	52	2209	.7
1960	57	2207	.7
1961	60	2200	.7
1962	48	2191	.7
1963	57	2194	.7
1964	52	2188	.7
1965	70	2188	.7
1966	77	2170	.7
1967	102	2145	.7
1968	105	2095	.7
1969	125	2044	.7
1970	96	1977	.6
1971	106	1942	.6
1972	153	1899	.6

1973	172	1811	.6
1974	184	1707	.5
1975	183	1597	.5
1976	189	1494	.5
1977	191	1392	.4
1978	203	1292	.4
1979	262	1188	.4
1980	224	1027	.3
1981	216	911	.3
1982	328	809	.3
1983	177	600	.2
1984	228	548	.2
1985	208	444	.1
1986	194	364	.1
1987	106	295	.1
1988	101	313	.1
1989	39	329	.1
1990	30	400	.1
1991	26	464	.2
1992	36	522	.2
1993	25	557	.2
1994	40	583	.2
1995	25	587	.2
1996	30	596	.2
1997	9	586	.2
1998	4	589	.2
1999	7	601	.2
2000	5	613	.2
2001	1	636	.2
2002	1	670	.2
2003	0	711	.2
2004	1	749	.2
2005	0	791	.3
2006	0	829	.3
2007	0	866	.3
2008	0	895	.3
2009	0	926	.3
2010	0	958	.3
2011	1	990	.3
2012	1	1018	.3
2013		1049	.3

TIME SERIES HEADER DESCRIPTIONS

Type: Provides a more detailed definition of the data being entered.

Source: Describes where a particular type of data comes from. Typical data sources include Model (output from an assessment model), Survey (index of survey observations), or Fishery (e.g. reported catch rather than a model estimate of catch).

Basis: Describes the units for the values being reported. For example: biomass-mt means stock weight in metric tons.

Range: Used in conjunction with type to refine the description of the data being entered. The range specifies a subset of the population to which the data apply. For example, Age 3+ means fish that are age 3 and older, or mature means just the mature portion of the stock.

Statistic: Describes the statistical characteristics of a time series column, and may include mean, median, index, observed, official, MCMC, lower 95% CI, upper 95% CI, etc.

Scalar: Describes a multiplier by which the reported values should be multiplied to restore them to their natural units. For example, if biomass is reported in 1000 mt, then a value of 1000 is entered in this field.