Stock Name: Red snapper - Gulf of Mexico

Assessed in: January 2015

Parameter Name	Abundance	Recruitment	Spawners	Catch
Type	Biomass	Age	Female_Mature	Kill_Bio
Source	Model	Model	Model	Model
Basis	Biomass - mt	Numbers	Eggs	Biomass - mt
Range	Age_0+	Age_0	Mature	Exploitable_dead
Statistic	Mean	Mean	Mean	Mean
Scale	1	1000	1	1
Year				
1872	201327	99502	2870000000000	236
1873	201081	99502	2870000000000	355
1874	200694	99501	2870000000000	532
1875	200101	99500	2860000000000	650
1876	199361	99499	2850000000000	769
1877	198476	99498	2830000000000	650
1878	197698	99497	2820000000000	591
1879	196989	99496	2810000000000	650
1880	196239	99495	2800000000000	1232
1881	194896	99493	2780000000000	1295
1882	193447	99491	2760000000000	1358
1883	191911	99489	2740000000000	1426
1884	190303	99487	2710000000000	1494
1885	188640	99484	2690000000000	1562
1886	186935	99482	2660000000000	1631
1887	185198	99479	2630000000000	1645
1888	183499	99476	2610000000000	1583

1889	181928	99474	2580000000000	1702
1890	180306	99471	2560000000000	2012
1891	178428	99468	2530000000000	1856
1892	176754	99465	2510000000000	1952
1893	175045	99462	2480000000000	2016
1894	173328	99459	2460000000000	2065
1895	171616	99456	2430000000000	2023
1896	170005	99453	2410000000000	2045
1897	168434	99450	2380000000000	2032
1898	166944	99447	2360000000000	2339
1899	165193	99090	2330000000000	2663
1900	163134	99061	2310000000000	2978
1901	160747	99029	2270000000000	3197
1902	158115	98994	2230000000000	3361
1903	155288	98955	2190000000000	3077
1904	152741	98914	2160000000000	2857
1905	150459	98869	2120000000000	2584
1906	148533	98821	2090000000000	2318
1907	146991	98771	2070000000000	2057
1908	145853	98720	2050000000000	1860
1909	145076	98666	2030000000000	1599
1910	144735	98610	2030000000000	1350
1911	144829	98550	2020000000000	1353
1912	145094	98486	2030000000000	1357

1913	145494	98417	2030000000000	1361
1914	145995	98343	2040000000000	1364
1915	146569	98264	2050000000000	1366
1916	147191	98181	2060000000000	1368
1917	147842	98092	2070000000000	1337
1918	148537	97996	2080000000000	1339
1919	149234	97893	2090000000000	1447
1920	149806	97782	2100000000000	1560
1921	150227	97662	2110000000000	1677
1922	150476	97532	2110000000000	1797
1923	150536	97394	2120000000000	1918
1924	150397	97244	2120000000000	1871
1925	150233	97077	2110000000000	1866
1926	150017	96897	2110000000000	1815
1927	149808	96699	2110000000000	2016
1928	149353	96481	2100000000000	1756
1929	149121	96253	2100000000000	1849
1930	148780	96012	2090000000000	1264
1931	149037	95765	2090000000000	1176
1932	149442	95513	2100000000000	1283
1933	149783	95250	2100000000000	1194
1934	150236	94965	2110000000000	1102
1935	150800	94655	2120000000000	1400
1936	151059	94317	2120000000000	1654

1937	151008	93942	2130000000000	1545
1938	150996	93528	2130000000000	1867
1939	150586	93072	2120000000000	2081
1940	149861	92581	2110000000000	1503
1941	149646	92069	2110000000000	1365
1942	149559	91548	2110000000000	1072
1943	149781	91038	2110000000000	825
1944	150291	90545	2120000000000	884
1945	150777	90082	2120000000000	730
1946	151437	89702	2130000000000	1201
1947	151608	89405	2140000000000	1329
1948	151573	88832	2140000000000	1471
1949	151294	88403	2140000000000	1839
1950	150513	87903	2130000000000	2654
1951	148675	87399	2110000000000	2938
1952	146149	87101	2080000000000	3246
1953	142922	86828	2040000000000	3115
1954	139489	86948	2000000000000	3170
1955	135733	86875	1940000000000	3414
1956	131523	87258	1880000000000	3953
1957	126580	87672	1810000000000	3893
1958	121531	88448	1740000000000	5258
1959	114950	88667	1640000000000	5184
1960	108248	88767	1550000000000	5481

1961	101120	88512	1440000000000	5545
1962	93863	88668	1340000000000	5463
1963	86712	89084	1230000000000	4917
1964	80215	89249	1130000000000	5094
1965	73741	89727	1030000000000	5149
1966	67405	89869	940000000000	4575
1967	61848	90067	856000000000	5065
1968	56031	89605	772000000000	5327
1969	50154	89452	687000000000	4830
1970	44941	88029	610000000000	4938
1971	39857	87312	537000000000	5312
1972	38092	379633	462000000000	5751
1973	34240	169717	392000000000	5095
1974	31443	96382	341000000000	5390
1975	28874	109213	311000000000	5652
1976	26533	116618	290000000000	5564
1977	23973	125274	263000000000	4593
1978	21650	87633	238000000000	4231
1979	19900	109959	214000000000	4207
1980	19590	235538	193000000000	4389
1981	19208	217601	169000000000	4552
1982	18415	149115	148000000000	4489
1983	17283	83812	137000000000	5504
1984	15150	60015	128000000000	3706

1985	14783	84640	127000000000	4149
1986	14270	100226	126000000000	4031
1987	13160	67320	120000000000	3394
1988	12678	87115	114000000000	3888
1989	12804	178509	104000000000	3410
1990	12968	133826	98400000000	2474
1991	14961	183346	103000000000	3007
1992	16597	144819	114000000000	4339
1993	18048	176958	125000000000	5276
1994	18425	150947	134000000000	4890
1995	19967	209580	145000000000	4969
1996	20822	137811	157000000000	5125
1997	21949	149136	170000000000	5981
1998	22017	127441	181000000000	5304
1999	23672	206696	197000000000	6063
2000	24174	188480	204000000000	5983
2001	24230	140344	208000000000	5877
2002	24754	174345	214000000000	6448
2003	25194	196384	219000000000	5888
2004	26658	241887	226000000000	6324
2005	27520	212639	229000000000	5192
2006	30083	226898	243000000000	5420
2007	32788	188586	265000000000	5903
2008	35216	120203	299000000000	3666
2009	41247	198749	364000000000	4749

2010	46710	159298	441000000000	3508
2011	53887	160942	544000000000	5844
2012	59680	251324	623000000000	6897
2013	64132	196300	690000000000	8371

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.