Stock Name: Vermilion snapper - Gulf of Mexico

Assessed in: June 2016

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_1+	Age_0	Mature	Exploitable_dead
Statistic	Mean	Mean	Mean	Mean
Scale	1	1000	1	1
Year				
1950	31938	37752	651000000000	119
1951	31770	37711	648000000000	162
1952	31560	37659	644000000000	192
1953	31285	37589	638000000000	204
1954	31004	37517	632000000000	261
1955	30620	37415	624000000000	273
1956	30253	37316	617000000000	342
1957	29806	37194	608000000000	386
1958	29348	37065	598000000000	461
1959	28794	36905	587000000000	490
1960	28245	36742	576000000000	491
1961	27709	36576	565000000000	391
1962	27357	36462	557000000000	386
1963	27037	36357	550000000000	434
1964	26730	36255	544000000000	455
1965	26447	36160	538000000000	494
1966	26166	36066	532000000000	473

1967	25931	35985	528000000000	522
1968	25623	35878	521000000000	560
1969	25307	35765	515000000000	617
1970	24917	35624	507000000000	592
1971	24612	35511	501000000000	579
1972	24329	35402	495000000000	568
1973	24105	35315	490000000000	605
1974	23860	35218	485000000000	606
1975	23661	35139	481000000000	698
1976	23402	35034	475000000000	677
1977	23188	34947	471000000000	819
1978	22839	34802	464000000000	807
1979	22525	34670	457000000000	821
1980	22204	34532	451000000000	769
1981	21949	34420	445000000000	760
1982	21721	34317	441000000000	904
1983	21391	34163	434000000000	802
1984	21193	34070	430000000000	1264
1985	20572	33770	417000000000	1332
1986	19972	33469	404000000000	1726
1987	19020	32965	385000000000	1616
1988	18307	32561	370000000000	1689
1989	17575	32121	355000000000	1469
1990	17167	31866	346000000000	1850

1991	16448	31395	331000000000	1711
1992	15933	31044	321000000000	2143
1993	14999	30368	302000000000	2339
1994	13900	20054	279000000000	2355
1995	12204	24947	246000000000	1996
1996	11136	23298	224000000000	1555
1997	10642	23506	214000000000	1710
1998	9833	19020	197000000000	1472
1999	9194	33345	185000000000	1406
2000	9376	29591	185000000000	1143
2001	10103	29777	200000000000	1431
2002	10183	27952	202000000000	1589
2003	10400	26576	206000000000	1719
2004	10176	20598	202000000000	1667
2005	9847	24227	197000000000	1361
2006	9832	35520	196000000000	1184
2007	10814	25102	214000000000	1418
2008	11070	22197	220000000000	1547
2009	10729	19835	214000000000	2068
2010	10074	25960	201000000000	1207
2011	10342	28897	206000000000	1997
2012	10320	34292	205000000000	1508
2013	10914	26511	215000000000	1280
2014	11483	27189	228000000000	1167

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.