

**Appendix D:** Forecasts and decision tables based on F<sub>50%</sub> and California nearshore 60:20 rule.

Emphasis on CPUE index = 1								
Year	60:20 adjustment	Biomass Age 1+	Spawning Biomass	Depletion	Commercial Catch	Commercial Harvest Rate	Recreational Catch	Recreational Harvest Rate
2005	0.99	1174	862	59.2%	26	5.7%	54	10.7%
2006	0.98	1147	839	57.6%	26	6.2%	54	11.8%
2007	0.97	1130	825	56.6%	46	12.1%	102	24.1%
2008	0.92	1058	755	51.8%	36	11.5%	83	22.9%
2009	0.90	1023	723	49.6%	31	11.2%	75	22.2%
2010	0.88	1005	708	48.6%	29	11.1%	72	21.9%
2011	0.88	994	700	48.1%	28	11.0%	71	21.7%
2012	0.87	986	695	47.7%	27	10.9%	70	21.6%
2013	0.87	980	690	47.3%	27	10.8%	69	21.5%
2014	0.86	975	685	47.0%	27	10.8%	68	21.4%
2015	0.86	970	681	46.7%	26	10.7%	68	21.3%
2016	0.85	966	677	46.5%	26	10.7%	67	21.2%
Emphasis on CPUE index = 5								
Year	60:20 adjustment	Biomass Age 1+	Spawning Biomass	Depletion	Commercial Catch	Commercial Harvest Rate	Recreational Catch	Recreational Harvest Rate
2005	1	2385	1931	96.8%	26	2.1%	54	4.7%
2006	1	2304	1850	92.7%	26	2.3%	54	5.1%
2007	1	2235	1781	89.3%	112	10.5%	234	23.9%
2008	1	1931	1480	74.2%	85	10.5%	183	23.9%
2009	1	1736	1292	64.8%	68	10.5%	153	23.9%
2010	0.99	1609	1174	58.9%	56	10.4%	134	23.6%
2011	0.96	1527	1101	55.2%	48	10.0%	120	22.8%
2012	0.93	1474	1057	53.0%	44	9.8%	112	22.3%
2013	0.92	1438	1026	51.5%	41	9.6%	107	21.9%
2014	0.90	1411	1004	50.3%	39	9.5%	104	21.6%
2015	0.89	1390	985	49.4%	38	9.4%	101	21.3%
2016	0.88	1373	970	48.6%	37	9.3%	98	21.1%
Emphasis on CPUE index = 10								
Year	60:20 adjustment	Biomass Age 1+	Spawning Biomass	Depletion	Commercial Catch	Commercial Harvest Rate	Recreational Catch	Recreational Harvest Rate
2005	1	3058	2533	110.0%	26	1.6%	54	3.5%
2006	1	2940	2414	104.9%	26	1.7%	54	3.9%
2007	1	2836	2310	100.3%	145	9.9%	299	23.5%
2008	1	2409	1883	81.8%	109	9.9%	230	23.5%
2009	1	2131	1611	70.0%	86	9.9%	189	23.5%
2010	1	1949	1439	62.5%	71	9.9%	165	23.5%
2011	0.98	1827	1329	57.7%	60	9.7%	147	23.0%
2012	0.95	1746	1259	54.7%	53	9.4%	135	22.4%
2013	0.93	1692	1213	52.7%	48	9.2%	127	21.9%
2014	0.91	1654	1180	51.2%	46	9.1%	123	21.5%
2015	0.90	1624	1155	50.1%	44	8.9%	119	21.2%
2016	0.89	1600	1134	49.2%	42	8.8%	116	20.9%

**Decision table for the gopher rockfish stock assessment model ( $F_{50\%}$  and 60:20).**

Management Action	Year			CPUE emph1 least likely (p=0.22)		CPUE emph5 most likely (p=0.40)		CPUE emph10 less likely (p=0.38)	
		Commercial Catch	Recreational Catch	Spawning Biomass	Depletion	Spawning Biomass	Depletion	Spawning Biomass	Depletion
<b>Low Catch</b>	<b>2005</b>	26	54	862	59.2%	1931	96.8%	2533	110.0%
	<b>2006</b>	26	54	839	57.6%	1850	92.7%	2414	104.9%
	<b>2007</b>	46	102	825	56.6%	1781	89.3%	2310	100.3%
	<b>2008</b>	36	83	755	51.8%	1662	83.3%	2158	93.7%
	<b>2009</b>	31	75	723	49.6%	1588	79.6%	2055	89.2%
	<b>2010</b>	29	72	708	48.6%	1537	77.1%	1981	86.0%
	<b>2011</b>	28	71	700	48.1%	1500	75.2%	1924	83.5%
	<b>2012</b>	27	70	695	47.7%	1469	73.7%	1878	81.5%
	<b>2013</b>	27	69	690	47.3%	1445	72.4%	1840	79.9%
	<b>2014</b>	27	68	685	47.0%	1423	71.4%	1808	78.5%
<b>Medium Catch</b>	<b>2015</b>	26	68	681	46.7%	1405	70.4%	1781	77.3%
	<b>2016</b>	26	67	677	46.5%	1390	69.7%	1758	76.3%
<b>High Catch</b>	<b>2005</b>	26	54	862	59.2%	1931	96.8%	2533	110.0%
	<b>2006</b>	26	54	839	57.6%	1850	92.7%	2414	104.9%
	<b>2007</b>	112	234	825	56.6%	1781	89.3%	2310	100.3%
	<b>2008</b>	85	183	575	39.5%	1480	74.2%	1974	85.7%
	<b>2009</b>	68	153	430	29.5%	1292	64.8%	1757	76.3%
	<b>2010</b>	56	134	371	25.5%	1174	58.9%	1615	70.1%
	<b>2011</b>	48	120	356	24.5%	1101	55.2%	1524	66.2%
	<b>2012</b>	44	112	345	23.7%	1057	53.0%	1466	63.7%
	<b>2013</b>	41	107	330	22.6%	1026	51.5%	1425	61.9%
	<b>2014</b>	39	104	312	21.4%	1004	50.3%	1395	60.6%
	<b>2015</b>	38	101	296	20.3%	985	49.4%	1371	59.6%
	<b>2016</b>	37	98	283	19.4%	970	48.6%	1352	58.7%

First two years were based on GMT recommendations:

Commercial - the average for the last 5 years (2000-2004) = 26 mtions.

Recreational - the average for 2002 and 2004 only = 54 mtions.

< 60%