

vessels or to estimate the amount of fish that would be allowed for landing by non-qualifying vessels under incidental fishery regulations.

Results

It was determined that about 65 percent (713 of 1,103 vessels) of each TSVG would be needed to meet the GAC request for balanced TSVG representation based on 2004-2006 window period data (**GAC Table 1**). This resulted in as few as 16 vessels for the non-TSVG to 289 vessels for the sablefish TSVG. The B species qualifying poundage ranged from as few as 127 lbs for the Other species TSVG to 3,816 lbs for the sablefish TSVG (**GAC Table 1**). The comparative data for A-4 ranged from 10 vessels (27.8 percent of A-1) for the other species TSVG to 387 vessels (86.6 percent of A-1) for the sablefish TSVG. The A-4 data showed relatively high fleet proportions for the sablefish, slope rockfish and non-target TSVGs, which is consistent with the results produced in Appendix E showing relatively large catch histories for vessels in these TSVGs.

GAC Table 1. Number of vessels that made directed B species fishery landings during 2004-2006 window period by target species vessel group (TSVG) and comparative data for GAC request and A-4 B permit qualification criteria for 713v-3 (A-4) (see Appendix E)

TSVG	A-1		GAC Request			A-4 1/	
	# vsls	Prop 2/	# vsls	Prop 3/	Qualify lbs	# vsls	Prop 3/
Slope	29	2.6%	19	65.5%	1,972	21	72.4%
Shelf	123	11.2%	79	64.2%	283	51	41.5%
Shark	57	5.2%	37	64.9%	640	33	57.9%
Sable	447	40.5%	289	64.7%	3,816	387	86.6%
Non-target	25	2.3%	16	64.0%	2,154	17	68.0%
Other	36	3.3%	23	63.9%	127	10	27.8%
Lingcod	386	35.0%	250	64.8%	576	194	50.3%
Total	1,103	100.0%	713	64.6%	NA	713	64.6%

1/ Data from Appendix E Table E-14; 1,071 lbs to qualify

2/ Proportion of Total

3/ Proportion of TSVG under A-1

The GAC request resulted in proportionately more lingcod and shelf rockfish vessels (250, 35 percent and 79, 11 percent, respectively) than the A-4 approach (194, 27 percent and 51, 7 percent)(**GAC Table 1; GAC Figure 1**). The Other species TSVG also fared better under the GAC approach (23, 3.2 percent) than under A-4 (10, 1.4 percent)(**GAC Table a; GAC Figure 1**). For sablefish the GAC request resulted in a fleet of 289 vessels (41 percent) compared to 387 vessels (54 percent) under A-4 (**GAC Table 1; GAC Figure 1**). These results could be expected because of generally larger catch histories of sablefish vessels compared to lingcod, shelf rockfish and other species vessels, as reported in Appendix E. There were other relatively small differences in number of qualifying vessels among the other TSVGs between A-4 and the GAC request (**GAC Table 3; GAC Figure 1**).

Table 2-5 (updated). Directed B species open access fishery participation and landing statistics by species group, year, state and total, April 1998-2008 including data for 1998-2006 window period.

Yr	Sablefish			Slope RF			Lingcod			Sharks			Others 1/			Total Directed						
	vsl	mts	000s	vsl	mts	000s	vsl	mts	000s	vsl	mts	000s	vsl	mts	000s	vsl	mts					
1998	CA	92	94.6	\$219.0	433	797.3	\$1,161.0	171	192.3	\$220.0	257	46.2	\$105.0	54	25.2	\$34.0	71	29.0	\$43.0	654	1,185.1	\$1,782.0
	OR	30	16.3	\$45.0	135	178.5	\$272.0	3	4.4	\$6.0	103	20.7	\$47.0	0	0.0	\$0.0	44	21.0	\$38.0	200	240.8	\$409.0
	WA	29	25.6	\$79.0	10	12.4	\$9.0	0	0.0	\$0.0	17	5.6	\$7.0	0	0.0	\$0.0	20	57.0	\$65.0	46	100.7	\$160.0
1999	sum	151	136.5	\$343.0	578	988.2	\$1,442.0	174	196.7	\$226.0	377	72.5	\$159.0	54	25.2	\$34.0	135	107.0	\$146.0	900	1,526.6	\$2,351.0
	CA	102	176.9	\$454.0	479	264.1	\$538.0	72	16.9	\$29.0	293	39.9	\$119.0	52	25.2	\$37.0	105	49.0	\$86.0	677	571.9	\$1,263.0
	OR	15	20.6	\$65.0	132	99.3	\$194.0	8	1.2	\$2.0	125	27.1	\$74.0	0	0.0	\$0.0	58	13.0	\$43.0	180	155.4	\$377.0
2000	WA	28	36.0	\$115.0	7	9.1	\$7.0	0	0.0	\$0.0	14	4.8	\$6.0	2	4.8	\$2.0	15	9.0	\$11.0	44	63.2	\$141.0
	sum	145	233.5	\$634.0	618	366.5	\$739.0	80	18.1	\$31.0	432	71.8	\$199.0	54	30.0	\$39.0	178	71.0	\$140.0	901	790.5	\$1,781.0
	CA	115	299.0	\$944.0	403	96.3	\$282.0	65	8.5	\$22.0	221	19.8	\$64.0	55	22.3	\$31.0	127	81.0	\$118.0	642	526.7	\$1,460.0
2001	OR	34	43.6	\$159.0	103	7.3	\$19.0	1	0.5	\$1.0	89	12.3	\$45.0	2	0.1	\$0.0	0	0.0	\$0.0	154	63.9	\$224.0
	WA	32	51.9	\$202.0	9	1.7	\$3.0	2	1.5	\$2.0	12	4.8	\$6.0	1	1.5	\$1.0	2	1.0	\$2.0	49	62.8	\$215.0
	sum	181	394.5	\$1,305.0	515	105.3	\$304.0	68	10.5	\$25.0	322	36.9	\$115.0	58	23.9	\$32.0	129	82.0	\$120.0	845	653.4	\$1,899.0
2002	CA	112	273.7	\$820.0	301	667.7	\$1,177.0	41	25.9	\$52.0	244	29.0	\$97.0	49	24.4	\$34.0	96	48.0	\$106.0	518	467.5	\$1,286.0
	OR	64	58.9	\$199.0	89	5.5	\$15.0	1	0.6	\$1.0	119	24.1	\$82.0	0	0.0	\$0.0	2	0.0	\$0.0	180	89.3	\$296.0
	WA	44	60.3	\$218.0	8	0.8	\$1.0	2	1.4	\$1.0	12	3.6	\$5.0	0	0.0	\$0.0	0	1.0	\$1.0	54	66.8	\$225.0
2003	sum	220	392.9	\$1,237.0	398	73.0	\$193.0	44	27.9	\$54.0	375	56.7	\$184.0	49	24.4	\$34.0	98	49.0	\$107.0	752	623.6	\$1,807.0
	CA	119	268.3	\$798.0	222	19.7	\$72.0	45	60.7	\$133.0	244	37.2	\$132.0	40	16.0	\$24.0	68	49.0	\$80.0	480	451.4	\$1,238.0
	OR	53	49.7	\$180.0	61	3.6	\$9.0	1	0.1	\$0.0	126	27.4	\$94.0	1	4.2	\$1.0	8	0.0	\$0.0	176	81.2	\$283.0
2004	WA	44	65.2	\$237.0	0	0.6	\$0.0	0	0.9	\$1.0	9	2.9	\$4.0	0	0.0	\$0.0	0	1.0	\$0.0	47	74.4	\$244.0
	sum	216	383.2	\$1,215.0	283	23.9	\$81.0	46	61.7	\$134.0	379	67.5	\$230.0	44	20.2	\$25.0	76	50.0	\$80.0	703	607.0	\$1,765.0
	CA	118	312.6	\$946.0	169	8.7	\$39.0	46	82.4	\$194.0	240	32.5	\$131.0	47	28.1	\$37.0	50	55.0	\$50.0	445	519.6	\$1,398.0
2005	OR	96	134.3	\$492.0	52	3.3	\$8.0	13	0.8	\$1.0	123	28.9	\$91.0	0	0.0	\$0.0	0	1.0	\$0.0	202	168.1	\$593.0
	WA	64	118.2	\$450.0	0	0.2	\$0.0	0	1.5	\$2.0	4	2.1	\$3.0	1	43.9	\$18.0	0	2.0	\$1.0	68	167.7	\$473.0
	sum	278	565.1	\$1,888.0	221	12.2	\$47.0	59	84.7	\$197.0	367	63.5	\$225.0	48	72.0	\$55.0	50	58.0	\$51.0	715	855.4	\$2,464.0
2006 2/	CA	92	288.3	\$831.0	189	23.9	\$104.0	48	52.2	\$130.0	215	39.9	\$158.0	43	23.6	\$48.0	60	57.0	\$52.0	402	484.9	\$1,323.0
	OR	67	73.6	\$225.0	66	2.9	\$7.0	3	1.0	\$1.0	120	31.1	\$97.0	0	0.2	\$0.0	3	0.0	\$0.0	177	109.1	\$330.0
	WA	53	96.4	\$326.0	1	0.5	\$1.0	2	1.4	\$1.0	4	1.7	\$3.0	4	86.1	\$38.0	0	1.0	\$1.0	57	187.3	\$369.0
2007	sum	212	458.3	\$1,382.0	256	27.3	\$112.0	53	54.6	\$132.0	339	72.7	\$258.0	47	109.9	\$86.0	68	58.0	\$53.0	636	781.3	\$2,022.0
	CA	101	458.3	\$1,312.0	170	21.2	\$99.0	46	30.8	\$84.0	192	35.8	\$145.0	44	21.9	\$31.0	49	39.0	\$34.0	367	607.5	\$1,704.0
	OR	107	257.6	\$916.0	54	3.4	\$9.0	4	5.1	\$7.0	150	29.4	\$101.0	2	0.2	\$0.0	2	5.0	\$2.0	232	300.5	\$1,035.0
2008	WA	68	182.2	\$678.0	2	0.4	\$1.0	2	6.5	\$8.0	5	2.4	\$4.0	2	3.2	\$2.0	0	1.0	\$1.0	78	195.5	\$693.0
	sum	276	898.1	\$2,906.0	226	25.0	\$109.0	52	42.4	\$99.0	347	67.6	\$250.0	48	25.3	\$33.0	51	45.0	\$37.0	677	1,103.5	\$3,432.0
	CA	126	379.2	\$1,069.5	174	29.9	\$139.8	36	38.0	\$97.5	198	30.9	\$131.4	42	25.4	\$46.9	32	16.9	\$41.7	396	520.8	\$1,526.8
2009	OR	132	251.7	\$985.6	42	3.8	\$11.1	3	5.4	\$7.3	136	32.8	\$129.3	0	0.0	\$0.0	2	4.3	\$2.1	242	297.5	\$1,135.5
	WA	86	157.5	\$612.0	0	0.2	\$0.0	1	0.8	\$1.0	4	2.7	\$5.0	2	59.8	\$31.0	0	1.0	\$0.0	90	221.6	\$649.0
	sum	344	788.4	\$2,667.1	216	33.8	\$150.9	40	44.2	\$105.8	338	66.3	\$265.7	44	85.2	\$77.9	34	22.2	\$43.9	728	1,039.9	\$3,311.3
2010	CA	149	289.8	\$993.2	217	36.4	\$174.4	83	13.9	\$50.8	240	30.6	\$140.8	40	9.3	\$17.7	91	16.1	\$39.6	416	396.2	\$1,416.6
	OR	93	110.1	\$468.8	83	3.2	\$10.5	36	3.8	\$5.3	155	36.4	\$148.1	2	0.3	\$0.0	38	2.3	\$1.2	215	156.2	\$634.0
	WA	53	53.6	\$246.2	13	0.4	\$0.4	20	1.0	\$1.1	16	3.1	\$5.7	2	0.2	\$0.1	8	0.4	\$0.2	55	58.7	\$253.7
2011	sum	295	453.6	\$1,708.2	313	40.0	\$185.4	139	18.7	\$57.2	411	70.1	\$294.5	44	9.8	\$17.9	137	18.8	\$41.0	686	611.1	\$2,304.3
	CA	144	341.4	\$1,426.8	178	22.1	\$121.1	71	18.1	\$61.5	199	28.8	\$140.1	26	5.5	\$7.1	89	27.7	\$37.5	357	443.8	\$1,794.0
	OR	89	181.2	\$948.5	87	3.6	\$12.4	46	3.7	\$5.1	177	43.7	\$207.2	2	0.2	\$0.0	59	7.3	\$3.9	209	239.8	\$1,177.1
2012	WA	39	44.3	\$228.9	10	0.3	\$0.2	17	1.0	\$1.2	18	2.3	\$4.2	9	10.9	\$4.7	8	2.3	\$1.2	39	61.1	\$240.4
	sum	272	567.0	\$2,604.2	275	26.0	\$133.6	134	22.8	\$67.8	394	74.8	\$351.4	37	16.6	\$11.9	156	37.3	\$42.6	605	744.6	\$3,211.5
	CA	144	341.4	\$1,426.8	178	22.1	\$121.1	71	18.1	\$61.5	199	28.8	\$140.1	26	5.5	\$7.1	89	27.7	\$37.5	357	443.8	\$1,794.0

1/ others species includes unspecified rockfish, flatfishes, rays and chimeras
2/ 2006 data have been updated with post window period data (Oct-Dec)