

Table 4a. Total statewide landings (pounds) and ex-vessel value (dollars) generated by fin fish (excluding rockfish), 1987-1999

Fish:	Year and Pounds Landed and Ex-vessel Value (dollars)												
	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Anchovy, deepbody										50	100	650	
										\$25	\$50	\$7	
Anchovy, northern	3,063,684	3,258,054	5,399,826	7,073,116	8,848,805	2,477,803	4,317,635	3,943,602	4,157,914	9,746,774	12,606,229	3,212,545	11,417,540
	\$237,705	\$324,260	\$389,062	\$588,600	\$1,315,710	\$414,480	\$406,995	\$456,015	\$282,323	\$618,641	\$536,176	\$172,616	\$1,000,813
Barracuda, California	113,250	138,053	133,323	169,923	341,641	81,210	109,812	300,832	302,790	369,134	145,377	131,131	202,726
	\$104,613	\$113,025	\$94,716	\$97,810	\$144,096	\$59,107	\$76,297	\$136,125	\$139,244	\$147,510	\$82,270	\$76,570	\$124,178
Bass, barred sand	427		15	3									
	\$162		\$14	\$3									
Bass, giant sea	12,023	12,326	8,758	7,269	11,734	8,673	4,709	899	1,194	1,823	2,320	6,238	5,018
	\$15,624	\$16,830	\$13,191	\$10,887	\$16,017	\$13,239	\$7,542	\$1,302	\$2,087	\$2,749	\$4,117	\$10,415	\$8,816
Bass, kelp	23	0.2	61	10		113					25	2	
	\$18	\$0.3	\$44	\$5		\$135					\$13	\$1	
Bass, rock	18	23	20		20								
	\$13	\$11	\$12		\$10								
Bass, spotted sand					25								24
					\$12								\$42
Blacksmith	6,130		275		164	315	46		243	1,207	793	348	256
	\$307		\$69		\$41	\$92	\$12		\$243	\$1,418	\$215	\$437	\$372
Bonito, Pacific	11,350,831	8,682,915	2,406,750	9,589,390	562,057	2,337,818	1,047,606	921,160	157,439	980,471	641,598	2,495,167	191,269
	\$1,600,730	\$1,273,234	\$369,111	\$1,938,067	\$107,715	\$443,697	\$215,624	\$190,130	\$40,099	\$199,831	\$164,281	\$661,539	\$29,008
Butterfish (Pacific pompano)	18,409	20,413	21,126	29,474	22,719	14,123	20,339	14,411	6,450	7,494	2,367	2,191	1,591
	\$15,077	\$15,361	\$21,819	\$16,320	\$23,518	\$12,168	\$17,575	\$20,711	\$9,209	\$11,833	\$2,482	\$1,530	\$2,610
Cabazon	8,832	12,732	24,995	25,952	16,282	36,613	39,307	82,924	193,802	245,230	264,887	372,760	274,706
	\$2,765	\$5,596	\$8,732	\$9,404	\$13,636	\$54,114	\$123,617	\$274,370	\$665,842	\$842,609	\$858,279	\$1,231,924	\$1,014,958
Cabrilla, spotted						211		100	635			16	3
						\$109		\$50	\$635			\$18	\$5
Cod, Pacific	144,938	11,017	228	12	459	1,843	294	28	4	10	38	47	49
	\$45,943	\$3,193	\$84	\$3	\$201	\$2,046	\$553	\$8	\$1	\$4	\$52	\$21	\$22
Corbina, California	43	13											
	\$65	\$21											
Corvina, shortfin									1,047	1,245	462	2,131	58
									\$819	\$929	\$365	\$2,126	\$58
Croaker, black			50	2,660	525	4,388	230				33	29	
			\$25	\$1,824	\$367	\$3,084	\$173				\$31	\$40	

Table 4a (continued) Fish:	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Croaker, unspecified	80	46	45	40	37	77	420			20		374	593
	\$32	\$20	\$20	\$12	\$15	\$62	\$210			\$10		\$206	\$238
Croaker, white	912,952	1,135,750	1,042,291	774,854	996,314	715,950	714,249	474,552	565,313	528,786	345,034	142,441	203,161
	\$340,054	\$433,314	\$423,025	\$338,014	\$439,215	\$347,930	\$410,514	\$282,683	\$348,756	\$315,536	\$223,235	\$101,559	\$134,202
Croaker, yellowfin									55				755
									\$28				\$378
Dolphin (fish)	714	377	828	1,510	713	7,123	37,250	82,211	10,915	19,502	10,318	6,970	35,795
	\$357	\$510	\$59	\$1,978	\$1,155	\$6,253	\$43,346	\$74,889	\$5,443	\$10,656	\$10,129	\$10,284	\$47,825
Eel	227	117	1,742	570	1,284	6,104	5,826	1,514	54	132	1,171	215	6
	\$31	\$77	\$822	\$273	\$3,272	\$14,858	\$12,561	\$4,594	\$132	\$333	\$3,803	\$595	\$12
Eel, California moray	5			1,187	1,110	1,219	775	5,598	7,516	4,891	4,819	4,726	581
	\$3			\$4,345	\$3,329	\$3,323	\$2,457	\$13,959	\$26,801	\$16,344	\$13,326	\$13,636	\$3,941
Eel, spotted cusk-								117		128	45	1	
								\$58		\$64	\$22	\$1	
Eel, wolf (wolf-eel)	6,657	2,043	12,612	2,270	1,044	1,101	1,556	1,497	434	43	11	21	4
	\$2,685	\$714	\$3,316	\$905	\$654	\$652	\$715	\$2,716	\$283	\$77	\$9	\$15	\$2
Escolar								10,244	2,987	1,519	568	5,372	3,816
								\$11,113	\$3,633	\$1,633	\$519	\$6,786	\$4,454
Eulachon	3,046			20			25						
	\$361			\$20			\$5						
Fish, unspecified	143,249	101,550	46,052	25,463	23,957	14,779	8,208	2,333	9,695	6,522	4,599	4,675	1,213
	\$10,320	\$14,051	\$9,562	\$16,158	\$6,053	\$8,462	\$38,275	\$1,983	\$4,730	\$2,897	\$2,710	\$4,131	\$1,281
Flounder, arrowtooth	100,182	79,997	62,465	119,468	345,090	218,173	125,347	161,936	259,994	110,415	104,739	82,109	94,500
	\$14,548	\$12,446	\$8,675	\$12,759	\$41,464	\$23,874	\$12,590	\$20,996	\$31,969	\$11,844	\$11,093	\$9,849	\$10,292
Flounder, starry	210,972	217,395	135,934	80,390	102,933	78,185	41,897	33,244	25,580	49,286	94,591	100,303	76,463
	\$94,742	\$102,284	\$61,171	\$35,197	\$51,233	\$39,671	\$17,982	\$17,041	\$14,816	\$21,316	\$43,416	\$44,234	\$35,755
Flounder, unspecified	70,875	47,449	69,245	35,797	12,052	27,594	24,498	5,294	7,125	11,326	6,928	34,971	29,372
	\$33,643	\$22,449	\$39,057	\$18,458	\$6,550	\$17,237	\$15,962	\$4,010	\$8,651	\$14,723	\$3,462	\$18,282	\$14,957
Flyingfish	179,528	107,032	107,369	83,889	77,638	19,720	26,476	254				6	257
	\$74,548	\$42,386	\$41,373	\$33,612	\$34,496	\$10,478	\$13,122	\$109				\$9	\$162
Garibaldi	95	261		43					25				
	\$2,012	\$6,969		\$128					\$90				
Goby, bluebanded	18	32					120						
	\$5	\$37					\$60						
Goby, yellowfin				3,869	379	2,059	12,279	1,091	678	1,367	60	731	290
				\$16,897	\$2,052	\$2,797	\$12,960	\$3,414	\$2,069	\$1,761	\$360	\$2,378	\$945

Table 4a (continued) Fish:	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Greenling, kelp	1,578	4,180	5,783	3,334	1,645	4,626	1,651	2,550	2,577	5,710	17,445	14,177	30,925
	\$393	\$1,234	\$2,990	\$2,758	\$1,121	\$2,092	\$3,718	\$7,357	\$5,018	\$14,975	\$50,590	\$50,768	\$123,107
Grenadiers	127,104	262,779	100,622	176,963	156,290	314,012	844,891	1,167,200	1,051,886	2,509,944	1,408,463	1,112,316	692,549
	\$19,155	\$40,107	\$11,556	\$26,455	\$19,926	\$30,374	\$98,773	\$158,516	\$164,764	\$352,865	\$177,146	\$155,492	\$85,553
Grouper	218	115			49		383	40					2
	\$157	\$152			\$54		\$243	\$20					\$4
Grouper, broomtail									29				
									\$58				
Grunion, California						1,089							
						\$327							
Guitarfish, shovelnose	55,037	52,707	53,728	52,393	52,704	39,623	31,743	10,687	7,679	12,578	24,333	31,171	37,354
	\$21,966	\$22,669	\$23,223	\$20,142	\$20,784	\$15,558	\$12,566	\$6,929	\$4,806	\$10,447	\$9,982	\$14,369	\$17,831
Hagfish		690,655	2,642,540	4,900,596	303,228	405,374	473	1,206	72	182,445	86	523	206
		\$299,144	\$1,061,859	\$2,159,512	\$158,993	\$76,621	\$144	\$672	\$72	\$36,718	\$181	\$2,312	\$117
Halfmoon	2,865	4,321	5,205	5,038	3,383	1,435	2,845	2,067	757	541	169	43	37
	\$1,814	\$3,694	\$4,159	\$4,011	\$2,952	\$1,189	\$2,595	\$1,821	\$732	\$606	\$231	\$39	\$36
Halibut, California	1,188,596	1,107,207	1,219,321	938,572	1,040,864	885,346	726,550	535,018	771,641	914,236	1,325,175	1,187,503	1,314,628
	\$2,552,378	\$2,469,965	\$2,720,709	\$2,157,683	\$2,478,805	\$2,138,355	\$1,846,736	\$1,520,105	\$2,169,094	\$2,488,430	\$3,321,403	\$2,814,031	\$3,298,315
Halibut, Pacific	62,056	42,802	304	18	4,583	2,102	3,625	371	8,506	7,504	13,707	6,313	4,011
	\$123,325	\$73,506	\$570	\$44	\$11,638	\$3,813	\$6,502	\$1,163	\$20,826	\$19,106	\$28,485	\$10,981	\$8,648
Halibut, unspecified	395		43	34	294	8,204		185	126	27	2,239	13,273	39,120
	\$886		\$115	\$78	\$833	\$18,374		\$546	\$260	\$36	\$5,100	\$30,029	\$95,914
Herring roe on kelp	43,359	15,877	87,584	185,750	143,971	127,872		67,855	56,229	255,162	339,267	82,411	86,695
	\$84,739	\$31,755	\$175,167	\$1,760,688	\$1,247,241	\$714,611		\$135,710	\$104,567	\$807,208	\$2,168,326	\$140,202	\$152,732
Herring, Pacific	18,563,149	19,050,726	20,494,005	16,393,533	16,196,408	13,931,446	8,479,520	168,660	6,055	548,083	52	250	
	\$5,627,892	\$5,598,399	\$4,772,588	\$7,014,340	\$8,323,371	\$9,492,302	\$2,068,727	\$73,849	\$209	\$403,171	\$10	\$3	
Herring, roe							558	6,335,797	10,282,009	11,379,679	20,164,390	4,429,243	5,024,647
							\$278	\$2,821,352	\$9,618,211	\$14,255,042	\$12,922,751	\$562,264	\$1,962,274
Herring, round						108,175	46,880	172,685	31,025	47,821	157,722	15,487	128,138
						\$6,826	\$2,858	\$6,959	\$1,786	\$2,632	\$21,595	\$720	\$5,126
Jack, Pacific crevalle								184			142	331	204
								\$92			\$142	\$331	\$140
Jacks, unspecified						5					5		
						\$5					\$1		
Jacksmelt	1,115	9,357	5,751	3,635	4,786	3,279	3,223	15,084	5,391	36,662	40,766	2,537	2,538
	\$326	\$3,614	\$2,018	\$1,593	\$1,698	\$2,529	\$1,157	\$9,469	\$4,100	\$21,595	\$26,187	\$1,472	\$1,742

Table 4a (continued) Fish:	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Kahawai			308										115
			\$154										\$57
Kelpfish, giant												27	50
												\$50	\$5
Kelpfishes				304				683	90	350		52	
				\$91				\$3,415	\$27	\$70		\$180	
Killifish, California							2,745						
							\$329						
Lingcod	1,858,526	1,958,599	2,790,918	2,346,140	1,736,081	1,351,684	1,519,826	1,251,353	1,185,454	1,065,951	1,132,240	331,245	326,138
	\$703,720	\$759,574	\$1,084,893	\$930,171	\$709,849	\$579,307	\$657,535	\$585,850	\$615,110	\$572,840	\$606,657	\$273,742	\$293,391
Lizardfish, California	4,770	8,269	17,748	20,654	19,346	6,397	10,062	6,077	10,284	10,204	600	1,778	110
	\$1,974	\$2,429	\$4,321	\$4,520	\$3,599	\$819	\$1,987	\$1,271	\$3,005	\$3,181	\$265	\$564	\$168
Louvar	11,673	10,916	8,196	14,099	6,147	17,498	15,020	5,191	5,300	9,512	6,343	11,201	8,509
	\$17,811	\$30,876	\$18,173	\$44,978	\$16,372	\$36,861	\$40,578	\$15,974	\$17,425	\$30,266	\$23,722	\$41,452	\$31,197
Mackerel, bullet	7,000							19		3,673	267,738	52,068	12,473
	\$350							\$8		\$514	\$66,811	\$12,615	\$499
Mackerel, jack	17,681,368	11,171,852	23,690,894	7,104,558	3,732,110	2,666,112	3,688,205	5,960,971	3,810,337	4,798,004	2,558,062	1,815,779	2,099,874
	\$747,349	\$729,168	\$1,484,524	\$441,288	\$253,979	\$247,797	\$287,846	\$377,037	\$275,975	\$294,867	\$229,748	\$259,452	\$186,755
Mackerel, Pacific	59,392,728	66,418,632	46,444,496	68,511,114	69,840,213	40,948,030	26,010,602	22,063,343	19,014,939	21,157,770	40,560,810	45,227,148	19,152,855
	\$2,907,656	\$4,712,407	\$3,159,159	\$4,147,929	\$5,303,462	\$4,166,208	\$1,503,579	\$1,291,080	\$1,264,231	\$1,302,967	\$2,724,257	\$2,502,061	\$1,088,514
Mackerel, unspecified	43,614,094	45,714,328	58,776,101	19,927,514	746,414	6,063		30		8,120	2,094		958
	\$1,702,269	\$2,253,731	\$3,309,826	\$1,222,659	\$70,239	\$1,496		\$12		\$2,026	\$723		\$331
Midshipman, plainfin	37			33	23			35	342		794	60	149
	\$18			\$18	\$11			\$28	\$41		\$79	\$30	\$30
Mudsucker, longjaw	564	116	44			184	14	10					
	\$3,578	\$266	\$611			\$263	\$70	\$20					
Mullet, striped	17,134	14,089	4,936	19,338	16,826	17,351	13,514	7,377	6,601	10,476	5,415	1,103	
	\$12,834	\$10,593	\$3,724	\$13,205	\$12,610	\$13,907	\$11,145	\$5,057	\$4,790	\$5,835	\$4,240	\$846	
Needlefish, California						103			50				
						\$51			\$25				
Oifish										3,166	285	767	1,257
										\$6,328	\$570	\$1,041	\$1,539
Opah	92,492	67,865	116,753	104,309	81,669	112,785	123,614	155,811	144,235	180,972	177,515	249,043	145,346
	\$39,819	\$35,053	\$53,495	\$56,644	\$45,146	\$50,449	\$53,645	\$69,597	\$65,703	\$84,480	\$70,668	\$98,075	\$66,552
Opaleye	4,599	12,104	8,690	6,939	1,278	4,124	3,777	6,017	963	986	358	1,717	939
	\$3,592	\$8,246	\$4,730	\$4,037	\$911	\$2,995	\$4,821	\$6,696	\$584	\$878	\$345	\$1,989	\$1,203

Table 4a (continued) Fish:	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Sardine, Pacific	968,776	2,619,999	1,844,620	3,668,980	16,727,151	39,571,922	33,830,484	25,669,551	88,905,577	71,778,045	95,339,046	94,700,718	131,157,672
	\$62,610	\$64,782	\$131,446	\$187,430	\$892,770	\$1,739,164	\$1,541,446	\$1,400,585	\$3,577,735	\$3,094,812	\$4,351,379	\$3,616,938	\$5,088,319
Sargo	109	1,037	179	109	289	480	180	312			478	51	176
	\$75	\$852	\$117	\$76	\$202	\$339	\$150	\$298			\$496	\$54	\$210
Saury, Pacific									53				
									\$21				
Scorpionfish, California	28,786	29,829	42,450	86,189	63,827	77,323	58,877	113,123	90,770	76,649	83,472	112,824	86,688
	\$30,327	\$28,200	\$61,199	\$162,264	\$104,810	\$124,350	\$94,620	\$181,007	\$146,466	\$115,927	\$137,073	\$190,267	\$203,566
Sculpin, staghorn	110	4,920	2,684	5,730	5,087	5,238	5,198	3,557	1,838	1,711	2,221	3,097	2,723
	\$136	\$7,830	\$7,100	\$14,289	\$17,204	\$12,666	\$10,454	\$7,358	\$4,542	\$7,009	\$5,623	\$4,801	\$9,619
Sculpin, yellowchin									4				
									\$2				
Seabass, white	116,454	107,600	116,022	133,661	163,784	125,149	100,060	78,932	73,293	96,162	58,554	164,415	247,844
	\$222,521	\$216,176	\$248,660	\$286,979	\$341,799	\$264,110	\$206,040	\$149,947	\$163,941	\$197,242	\$128,095	\$314,475	\$426,548
Senorita								4	222				
								\$2	\$129				
Shad, American	19,327	28,102	32,642	44,051	70,659	35,938	12,092	957	108	378	1,014	797	5
	\$34,238	\$45,917	\$46,443	\$75,385	\$121,702	\$60,259	\$21,903	\$1,433	\$34	\$132	\$994	\$804	\$3
Shad, threadfin	16,878	4,308	1,718	10,984	11,521	26,317	36,522	56,692	35,086	68,022	64,241	53,976	52,858
	\$26,811	\$7,641	\$3,436	\$17,505	\$24,384	\$49,278	\$62,297	\$97,760	\$61,537	\$109,958	\$102,102	\$74,269	\$47,039
Shark, basking				81		902	80						193
				\$49		\$902	\$116						\$199
Shark, bigeye thresher	25,304	12,033	22,093	39,931	40,911	27,899	56,545	47,942	40,345	24,741	40,930	14,098	7,090
	\$21,021	\$9,634	\$21,175	\$34,607	\$24,783	\$14,758	\$29,176	\$34,066	\$25,230	\$16,432	\$35,655	\$9,773	\$5,877
Shark, blacktip							1,600						34
							\$960						\$68
Shark, blue	3,410	7,147	13,521	43,675	1,200	2,880	522	24,828	7,360	320	236	1,070	116
	\$1,321	\$2,093	\$3,309	\$11,129	\$515	\$1,750	\$387	\$15,972	\$2,610	\$95	\$65	\$385	\$29
Shark, brown smoothhound	12,905	15,515	11,132	12,452	10,444	10,156	7,118	3,886	454	882	2,676	5,020	9,518
	\$6,650	\$10,286	\$5,586	\$5,993	\$5,299	\$5,432	\$4,428	\$5,033	\$587	\$382	\$1,233	\$3,805	\$6,070
Shark, dusky						526							
						\$79							
Shark, gray smoothhound		20	412	606	68	87		38	238	760	1,007	83	1,100
		\$22	\$102	\$341	\$124	\$38		\$13	\$65	\$207	\$443	\$78	\$1,318
Shark, horn	53	136	32	134		1		7	81		69		40
	\$1,607	\$3,343	\$64	\$135		\$1		\$175	\$111		\$17		\$20

Table 4a (continued) Fish:	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Shark, leopard	55,344	41,704	50,495	41,130	47,735	42,242	52,150	27,615	18,660	13,849	20,508	26,219	25,584
	\$38,249	\$34,895	\$40,593	\$29,702	\$34,778	\$32,176	\$36,056	\$19,533	\$17,677	\$11,223	\$18,114	\$24,322	\$23,820
Shark, Pacific angel	940,136	491,284	268,841	250,895	181,748	123,554	66,654	23,230	19,711	17,995	33,673	55,342	53,396
	\$542,591	\$307,172	\$166,148	\$164,619	\$119,567	\$77,768	\$43,741	\$14,735	\$12,550	\$14,297	\$29,423	\$51,729	\$50,869
Shark, pelagic thresher	2,294	773	249	1,733		638	684	210	6,270	1,504	45,162	2,334	13,398
	\$1,842	\$822	\$149	\$1,680		\$602	\$416	\$42	\$8,778	\$1,557	\$63,388	\$2,666	\$18,424
Shark, salmon	255	265	351		22		15,453	168	263		188	126	278
	\$189	\$201	\$176		\$11		\$7,908	\$168	\$95		\$94	\$139	\$695
Shark, sevengill	170	21	13		15	77		48		89	40	30	174
	\$119	\$20	\$11		\$15	\$37		\$38		\$58	\$22	\$22	\$106
Shark, shortfin mako	611,981	489,183	388,299	567,601	333,055	215,876	185,254	193,782	145,278	142,152	210,350	151,416	95,234
	\$709,317	\$650,342	\$544,253	\$740,895	\$416,464	\$230,773	\$221,345	\$245,255	\$165,856	\$163,069	\$237,658	\$173,544	\$110,397
Shark, sixgill	55	20		1,086	17		165	916			25	190	208
	\$110	\$40		\$543	\$8		\$165	\$275			\$16	\$168	\$200
Shark, smooth hammerhead	1,807	537	158	1,994	51	5,031	922	648		518	382	1,803	
	\$984	\$565	\$79	\$1,264	\$43	\$2,415	\$411	\$482		\$237	\$221	\$1,158	
Shark, soupfin	201,420	140,507	165,346	125,713	104,849	95,779	77,432	79,486	63,911	83,868	84,933	78,530	98,434
	\$171,315	\$128,878	\$136,961	\$103,276	\$79,690	\$71,883	\$59,157	\$68,910	\$55,123	\$70,654	\$79,812	\$65,759	\$85,437
Shark, spiny dogfish	53,935	3,773	3,430	6,873	1,523	3,350	6,230	1,221	232	1,320	8,405	14,996	77,752
	\$5,253	\$630	\$803	\$1,304	\$232	\$469	\$1,587	\$596	\$52	\$2,462	\$2,334	\$7,093	\$68,048
Shark, swell		2	4					778	125	210	26	50	10
		\$10	\$20					\$78	\$96	\$120	\$13	\$50	\$5
Shark, thresher	525,076	536,232	650,054	462,041	758,238	394,192	356,059	427,513	342,335	405,042	411,487	459,437	328,592
	\$787,169	\$817,859	\$887,667	\$637,978	\$968,655	\$459,971	\$458,863	\$583,587	\$472,558	\$585,543	\$589,824	\$604,971	\$469,958
Shark, unspecified	167,849	44,227	22,769	18,184	10,704	6,966	9,773	12,445	25,076	9,485	12,919	11,797	13,354
	\$51,280	\$27,331	\$14,853	\$10,023	\$5,917	\$4,008	\$6,141	\$7,378	\$22,637	\$4,040	\$12,680	\$10,491	\$5,860
Shark, white	1,343	2,196	1,345	265	121	957		364	332	512	258	136	
	\$1,099	\$1,014	\$350	\$256	\$128	\$345		\$285	\$1,492	\$480	\$258	\$210	
Sharks, cow	358	156	131	23		557	47	122	81		27		
	\$162	\$184	\$96	\$23		\$470	\$59	\$73	\$81		\$11		
Sheephead, California	32,865	29,314	33,019	123,539	191,705	258,502	314,151	259,099	253,658	252,035	301,815	261,640	129,598
	\$19,678	\$29,820	\$55,378	\$457,787	\$503,857	\$603,259	\$812,820	\$749,345	\$702,094	\$693,805	\$849,389	\$690,653	\$414,464
Sierra, Pacific	52												
	\$26												
Silversides	4,854	1,973	1,707	1,451	7,546	381	2,056	35	1,200	162	130	34	24
	\$1,256	\$705	\$687	\$773	\$1,940	\$99	\$818	\$18	\$392	\$37	\$44	\$17	\$6

Table 4a (continued) Fish:	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Skate, big									230		534	3,592	1,257
									\$87		\$96	\$647	\$478
Skate, California								155					141
								\$28					\$56
Skate, thornback										18	70	1,427	24
										\$5	\$28	\$1,070	\$2
Skate, unspecified	169,691	127,852	174,838	143,732	113,144	103,469	78,070	93,236	413,048	1,830,076	2,964,740	1,831,148	1,867,897
	\$49,808	\$37,917	\$44,667	\$39,537	\$32,875	\$31,563	\$24,014	\$29,635	\$89,345	\$392,291	\$574,032	\$385,361	\$288,068
Smelt, night	581	11,477	80,062	556,356	901,367	455,907	666,811	1,242,232	1,217,488	1,254,119	894,487	399,502	548,446
	\$195	\$3,698	\$24,026	\$166,789	\$262,272	\$116,070	\$136,094	\$322,265	\$367,017	\$328,200	\$211,463	\$106,666	\$165,079
Smelt, surf	5,778	11,058	189,765	286,295	419,288	393,537	433,715	665,020	803,179	819,301	847,022	103,397	11,611
	\$1,575	\$2,356	\$28,709	\$44,861	\$67,893	\$63,825	\$68,839	\$162,176	\$243,773	\$190,170	\$192,921	\$30,683	\$3,577
Smelt, whitebait	487,819	449,070	394,581	52,675	26,761	53,910	8,864	1,610	5,855	1,995	40		1,519
	\$146,790	\$137,313	\$120,070	\$19,039	\$8,550	\$14,233	\$2,697	\$615	\$3,806	\$1,082	\$10		\$288
Smelts, true	434,618	395,662	80,739	5,200	4,713	554	3,486	3,584	5,829		100	219	1,794
	\$68,822	\$60,545	\$13,002	\$1,751	\$1,373	\$386	\$879	\$3,233	\$2,898		\$48	\$153	\$717
Snapper -Mexico-								9					
								\$4					
Sole, bigmouth	178				202	20			103		3		
	\$45				\$77	\$20			\$64		\$1		
Sole, butter	32,794	9,962	3,611	2,429	1,774	15	993	262		1,897	57	6	55
	\$6,269	\$2,128	\$539	\$845	\$537	\$10	\$325	\$105		\$1,648	\$21	\$2	\$24
Sole, Dover	23,723,647	18,071,140	17,027,320	13,933,131	17,021,228	19,054,146	14,426,111	9,888,498	13,417,995	14,107,539	11,693,676	7,900,722	8,434,519
	\$6,368,720	\$5,285,117	\$4,484,889	\$3,672,285	\$5,059,314	\$5,414,020	\$3,924,129	\$2,904,261	\$4,293,648	\$4,245,105	\$3,360,089	\$2,670,791	\$2,800,814
Sole, English	2,914,757	2,351,349	2,321,579	1,967,038	1,789,770	1,268,119	1,044,544	1,019,534	1,101,103	1,281,212	1,430,131	940,527	840,107
	\$1,152,143	\$940,724	\$873,285	\$682,100	\$664,297	\$464,067	\$367,102	\$379,473	\$426,130	\$478,519	\$493,343	\$343,840	\$290,949
Sole, fantail	29,901	67,589	93,253	317	2,729	4,439	1,129	476	527	1,534	224	1,889	684
	\$6,020	\$24,419	\$36,779	\$238	\$1,630	\$2,446	\$556	\$380	\$465	\$1,544	\$207	\$1,398	\$456
Sole, petrale	1,815,848	1,752,935	1,853,223	1,495,649	1,620,124	1,172,949	1,021,859	1,211,845	1,305,154	1,803,639	1,836,090	1,042,122	1,247,391
	\$1,390,414	\$1,346,999	\$1,450,391	\$1,221,002	\$1,331,403	\$938,151	\$824,601	\$1,037,680	\$1,193,853	\$1,615,539	\$1,635,933	\$995,843	\$1,165,621
Sole, rex	1,818,775	1,854,323	1,651,683	1,226,689	1,369,558	970,859	1,007,925	1,256,861	1,517,177	1,097,983	1,000,369	638,160	629,783
	\$649,399	\$695,984	\$606,943	\$427,388	\$489,357	\$341,729	\$364,269	\$475,495	\$599,554	\$409,423	\$362,639	\$242,359	\$244,256
Sole, rock	9,151	12,064	22,070	15,659	14,618	9,434	14,971	8,400	15,691	7,822	20,762	21,506	14,515
	\$3,762	\$5,405	\$8,979	\$5,764	\$5,329	\$3,936	\$7,096	\$3,624	\$7,318	\$3,370	\$8,405	\$9,653	\$6,387
Sole, sand	336,256	247,970	244,088	207,528	144,703	138,343	161,789	121,880	81,496	137,148	109,918	77,254	60,137
	\$245,295	\$184,864	\$179,200	\$156,514	\$107,671	\$104,454	\$123,425	\$94,443	\$65,663	\$112,194	\$88,147	\$58,591	\$47,321

Table 4a (continued) Fish:	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Sole, slender			3							41		6	
			\$2							\$4		\$5	
Sole, tongue								96				17	21
								\$64				\$43	\$13
Sole, unspecified	78,811	56,487	46,632	27,251	59,642	38,370	31,221	35,829	82,800	65,390	48,002	50,688	32,745
	\$34,544	\$30,244	\$27,394	\$14,708	\$34,067	\$19,416	\$19,094	\$19,566	\$43,278	\$33,158	\$26,974	\$29,863	\$21,671
Splittail						31	62				340		
						\$30	\$93				\$398		
Stickleback, threespine	2,549	177		14	121			167	31			61	254
	\$6,644	\$5,342		\$462	\$2,653			\$20,280	\$1,020			\$1,534	\$1,387
Stingray	298	36		240		40	130	543	48	125	2,111	545	1,463
	\$2,981	\$1,824		\$92		\$6	\$39	\$109	\$17	\$56	\$477	\$136	\$386
Sturgeons			16										
			\$8										
Sunfish, ocean	245	334	5	18					117				
	\$341	\$333	\$6	\$9					\$94				
Surfperch, barred	22,357	23,203	16,584	18,842	22,912	25,200	8,699	36,936	39,982	33,169	28,038	34,411	9,562
	\$27,523	\$28,707	\$20,954	\$27,378	\$34,281	\$41,190	\$14,451	\$63,987	\$72,270	\$52,715	\$45,710	\$60,854	\$14,781
Surfperch, black	553	397	581	933	1,951	1,258	150	1,303	117	20	303	15	42
	\$120	\$127	\$312	\$450	\$757	\$860	\$114	\$1,159	\$204	\$10	\$76	\$53	\$69
Surfperch, calico			2	1	157	148		1			67		
			\$2	\$3	\$236	\$215		\$3			\$43		
Surfperch, dwarf										6			
										\$7			
Surfperch, pile	55		6				124	795	1,160	3,493	1,461	62	505
	\$33		\$8				\$81	\$685	\$1,160	\$3,199	\$1,052	\$61	\$578
Surfperch, rainbow		476	894	1,837	640	2,188	2,098	640	23	48	55	8	44
		\$384	\$893	\$1,774	\$598	\$2,162	\$2,030	\$770	\$22	\$70	\$33	\$4	\$182
Surfperch, redtail	23,045	21,223	32,354	40,158	26,590	35,976	49,139	35,404	38,023	32,773	32,230	25,252	29,798
	\$19,417	\$16,912	\$29,523	\$39,936	\$26,818	\$35,188	\$49,240	\$35,831	\$37,299	\$34,996	\$35,405	\$27,720	\$33,422
Surfperch, rubberlip		31	3	106	68	6	30	282	418	930	261	42	314
		\$22	\$1	\$100	\$61	\$4	\$31	\$444	\$417	\$1,064	\$278	\$110	\$362
Surfperch, shiner	53	2,650	1,490	1,344	455	225	20	4	45		35	12	
	\$23	\$1,639	\$742	\$962	\$250	\$138	\$12	\$34	\$27		\$35	\$9	
Surfperch, unspecified	99,492	59,061	65,822	74,252	49,526	64,101	50,519	18,027	9,872	13,505	12,041	13,911	6,609
	\$71,819	\$54,452	\$54,354	\$52,983	\$60,807	\$95,809	\$76,301	\$19,889	\$15,508	\$17,834	\$17,978	\$23,661	\$11,149

Table 4a (continued) Fish:	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Surfperch, walleye		10	100	19	434	511	482	271	4	1,258	2,011	18	
		\$5	\$50	\$13	\$303	\$362	\$316	\$279	\$5	\$1,111	\$1,608	\$21	
Surfperch, white	12	19	366	157	2,014	49		10			12		2,538
	\$10	\$12	\$236	\$94	\$1,188	\$32		\$8			\$4		\$7,479
Swordfish	2,740,942	2,484,395	2,063,996	1,878,811	1,564,925	2,355,208	2,684,829	2,574,910	1,764,736	1,767,400	2,204,962	2,063,901	3,072,454
	\$10,409,413	\$9,508,443	\$7,889,380	\$7,159,740	\$6,345,295	\$7,491,326	\$9,016,840	\$9,510,874	\$6,484,145	\$5,828,587	\$6,072,476	\$5,652,514	\$8,379,186
Thornyhead, longspine								944	5,856,808	5,420,006	4,607,623	2,924,672	2,379,618
								\$872	\$5,872,599	\$4,603,316	\$3,527,194	\$1,995,337	\$2,052,541
Thornyhead, shortspine								179	1,666,441	1,543,123	1,315,231	1,230,993	785,582
								\$251	\$1,904,808	\$1,518,085	\$1,283,673	\$1,169,431	\$913,486
Thornyheads (unspecified)	6,508,187	9,956,776	11,846,487	11,884,714	6,313,351	9,648,266	9,167,428	7,294,240	502,621	345,132	271,310	107,811	131,417
	\$1,892,486	\$3,433,289	\$4,355,554	\$4,578,588	\$2,892,374	\$4,689,243	\$4,582,094	\$5,558,046	\$534,317	\$392,329	\$372,955	\$168,045	\$181,287
Tomcod, Pacific	186			392	11	33	125	39	203	13,421	18,665	6,633	2,045
	\$61			\$784	\$22	\$66	\$75	\$87	\$157	\$1,740	\$1,943	\$1,286	\$205
Topsmelt		119	186					69			133		
		\$105	\$171					\$35			\$95		
Trawled fish for animal food	64,155	89,900	121,731	76,274	23,659	1,117		44					
	\$39,135	\$73,718	\$74,256	\$51,104	\$14,432	\$726		\$29					
Trawled fish, unspecified												45	
												\$27	
Triggerfish	525	5	4			4	4	298			11		48
	\$105	\$5	\$3			\$2	\$2	\$209			\$12		\$133
Tuna, albacore	3,511,483	2,669,518	1,918,907	1,902,312	1,493,802	2,802,513	4,027,882	6,989,093	1,833,340	11,332,004	7,398,253	5,315,548	12,318,023
	\$2,076,713	\$1,774,609	\$972,170	\$1,820,271	\$1,165,818	\$3,129,151	\$3,772,396	\$6,320,708	\$1,510,437	\$10,731,960	\$5,797,422	\$3,347,768	\$10,320,614
Tuna, bigeye	109,671	14,171	1,374	4,924	16,092	14,701	56,310	83,238	85,475	111,005	167,015	100,376	216,306
	\$70,149	\$20,336	\$2,413	\$8,295	\$45,717	\$43,135	\$209,792	\$307,349	\$259,527	\$263,993	\$349,667	\$271,931	\$669,741
Tuna, blackfin	1,154						890						
	\$866						\$890						
Tuna, bluefin	1,814,038	1,771,704	2,246,117	2,040,069	228,895	2,396,650	1,231,796	2,012,277	1,368,432	10,327,599	4,958,129	4,282,466	364,680
	\$2,294,248	\$2,732,567	\$785,784	\$1,630,756	\$115,514	\$1,244,456	\$785,212	\$1,678,673	\$974,248	\$4,042,445	\$2,688,981	\$2,852,225	\$1,067,840
Tuna, longtail								82					
								\$98					
Tuna, skipjack	12,619,100	19,539,462	9,932,414	4,972,810	7,511,801	5,700,648	10,006,587	4,653,967	15,327,491	12,024,568	13,387,085	12,614,505	8,286,038
	\$5,478	\$788,642	\$29,636	\$1,728,506	\$2,272,981	\$970,500	\$2,417,196	\$1,751,403	\$4,789,673	\$3,984,396	\$5,556,802	\$5,230,061	\$2,748,207
Tuna, skipjack, black			360				137,980	176,460	221,937	184,420	91,867	509,362	197,308
			\$687				\$28,976	\$35,292	\$48,737	\$37,067	\$20,670	\$151,575	\$61,033

Table 4a (continued) Fish:	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Tuna, unspecified	283,784	24,205	169,037	101,520	25,290	22,466	35,229	70,963	3,036	6,948	23,369	23,832	24,660
	\$448,055	\$49,588	\$298,616	\$76,834	\$20,994	\$21,532	\$70,659	\$70,274	\$6,367	\$32,081	\$19,059	\$61,685	\$60,851
Tuna, yellowfin	51,148,999	43,033,184	38,834,295	18,759,198	9,209,748	7,384,579	8,275,912	11,142,007	6,543,938	7,376,320	10,524,823	12,736,163	2,981,179
	\$914,323	\$3,009,702	\$558,575	\$21,291,712	\$9,592,636	\$4,976,279	\$6,127,052	\$4,517,965	\$2,972,220	\$3,140,444	\$5,026,131	\$5,779,220	\$1,444,180
Turbot	42,582	23,810	30,573	20,161	20,574	26,855	17,262	10,055	14,961	16,450	20,905	11,473	8,020
	\$13,940	\$8,039	\$7,302	\$6,548	\$6,532	\$7,639	\$5,320	\$2,815	\$3,295	\$4,615	\$7,201	\$4,141	\$2,983
Turbot, c-o								106					
								\$53					
Turbot, curlfin								211	275		5	30	90
								\$53	\$158		\$2	\$30	\$68
Turbot, diamond						15							
						\$8							
Turbot, hornyhead									333	105		34	
									\$119	\$37		\$12	
Wahoo	23,328	2,714	238	10,587	7,610	19,450	15,342	4,533	5,954	3,452	16,248	18,988	4,161
	\$11,294	\$4,642	\$602	\$6,957	\$3,454	\$15,970	\$11,046	\$4,521	\$4,141	\$3,547	\$8,689	\$16,290	\$4,102
Whitefish, ocean	7,036	3,095	3,174	6,067	5,014	5,886	10,380	50,746	27,822	31,450	21,232	23,857	11,188
	\$2,766	\$2,172	\$3,079	\$5,456	\$3,396	\$4,538	\$10,367	\$32,309	\$15,704	\$20,438	\$16,475	\$29,215	\$22,307
Whiting, Pacific	9,959,960	14,401,883	16,089,053	12,166,679	15,196,943	10,868,278	6,834,597	7,964,783	9,018,285	6,395,184	14,028,191	12,617,919	2,883,014
	\$610,541	\$978,338	\$911,376	\$793,201	\$886,944	\$597,377	\$343,358	\$353,990	\$456,482	\$238,893	\$607,223	\$394,216	\$115,612
Wrasse, rock		1						4					
		\$90						\$14					
Yellowtail	56,853	85,118	28,321	40,312	21,549	15,281	59,066	31,992	9,789	29,680	73,428	244,858	66,620
	\$55,644	\$74,899	\$30,935	\$42,660	\$22,557	\$15,340	\$67,519	\$45,664	\$12,040	\$38,605	\$79,007	\$249,393	\$72,142
Zebraperch	218	232		1,519	11	630				5	1,060	40	
	\$185	\$197		\$1,095	\$13	\$444				\$10	\$795	\$40	
Total pounds	303,832,338	308,966,179	293,156,412	232,260,433	201,708,709	183,484,413	153,958,226	139,112,495	210,931,704	220,497,580	273,077,797	231,697,259	231,791,846
Total ex-vessel value (dollars)	\$78,239,153	\$98,856,119	\$62,956,272	\$87,934,173	\$69,326,861	\$62,893,684	\$53,750,962	\$58,346,011	\$74,530,384	\$85,964,049	\$86,570,235	\$54,475,863	\$62,515,997

Table 4b. Total statewide landings (pounds) and ex-vessel value (dollars) generated by rockfish, 1987-1999

Year and Pounds Landed and Ex-vessel Value (dollars)													
Rockfish:	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Rockfish, aurora							332				97	4	
							\$481				\$114	\$3	
Rockfish, bank	80,657	113,561	35,467	35,317	91,414	27,715	99,524	55,867	106,376	66,639	81,466	451,477	27,166
	\$33,542	\$27,389	\$7,193	\$11,630	\$32,000	\$9,800	\$40,684	\$24,766	\$46,460	\$28,833	\$33,974	\$207,119	\$12,833
Rockfish, black	42,402	61,385	230,297	284,390	277,053	194,145	85,711	248,713	244,928	272,928	269,332	188,642	130,194
	\$15,452	\$26,967	\$82,336	\$119,876	\$109,381	\$85,535	\$41,684	\$117,568	\$130,038	\$152,812	\$155,543	\$104,802	\$98,715
Rockfish, black-and-yellow	222	44	13		41		80	5		7	889	2,063	23,581
	\$103	\$18	\$17		\$35		\$40	\$3		\$30	\$3,066	\$5,460	\$102,634
Rockfish, blackgill	455,711	649,016	602,888	510,549	618,695	688,650	490,442	579,005	411,473	479,860	414,246	348,550	77,867
	\$237,182	\$317,067	\$337,567	\$323,936	\$377,212	\$382,856	\$282,994	\$403,854	\$279,173	\$354,919	\$278,240	\$238,846	\$57,397
Rockfish, blue	21,735	21,389	37,938	45,029	19,439	27,419	26,269	73,600	40,356	25,311	86,180	92,215	30,423
	\$7,610	\$7,245	\$14,082	\$20,348	\$8,356	\$12,095	\$14,584	\$39,314	\$23,336	\$15,351	\$49,700	\$57,707	\$24,788
Rockfish, bocaccio		27	3	5,741	2,163,113	2,994,177	2,575,401	1,883,077	1,678,908	1,022,044	599,972	298,388	156,872
		\$13	\$1	\$1,630	\$725,640	\$1,120,121	\$978,095	\$763,518	\$735,044	\$431,416	\$261,093	\$149,332	\$84,732
Rockfish, bronzespotted					8	13	31	54	627		16	137	
					\$2	\$3	\$11	\$41	\$627		\$7	\$150	
Rockfish, brown	9,257	28,355	60,474	28,239	3,061	11,166	8,343	9,200	3,843	2,729	6,612	13,012	24,502
	\$3,782	\$9,107	\$16,614	\$13,307	\$1,240	\$5,425	\$3,657	\$9,590	\$5,243	\$3,807	\$3,369	\$12,490	\$41,507
Rockfish, canary	3,868	5,481	7,719	104,073	60,737	107,805	84,992	205,338	341,969	404,248	477,672	399,489	239,625
	\$2,391	\$3,543	\$5,865	\$73,028	\$40,167	\$68,267	\$43,532	\$146,615	\$219,914	\$256,227	\$321,791	\$240,086	\$162,052
Rockfish, chameleon						6						18	
						\$2						\$14	
Rockfish, chilipepper	7,604	18,004	35,487	9,204	1,937,001	3,303,642	2,074,784	2,682,990	2,819,834	2,749,430	2,802,935	2,052,347	1,936,287
	\$3,123	\$6,083	\$11,276	\$3,836	\$661,436	\$1,177,028	\$814,037	\$1,182,397	\$1,275,636	\$1,190,742	\$1,239,134	\$920,537	\$889,318
Rockfish, China	12,766	17,874	12,637	13,331	17,997	11,962	10,324	67,963	58,156	38,388	47,657	21,837	14,362
	\$8,085	\$12,918	\$8,535	\$11,858	\$21,260	\$14,071	\$17,281	\$124,167	\$108,771	\$70,260	\$106,259	\$61,711	\$55,535
Rockfish, copper	6,348	3,935	27,420	56,812	36,183	37,439	15,804	76,832	97,591	141,988	100,456	66,148	35,418
	\$4,137	\$2,637	\$12,134	\$30,265	\$20,720	\$19,945	\$12,640	\$110,748	\$137,132	\$203,733	\$118,404	\$84,277	\$65,756
Rockfish, copper (whitebelly)	689	710	1,716	2,615	10,375	6,414	5,339	25			597	10	48
	\$646	\$650	\$1,075	\$1,836	\$8,060	\$5,035	\$5,347	\$30			\$612	\$10	\$144
Rockfish, cowcod	102,849	41,627	53,789	35,733	15,180	25,517	30,391	33,596	52,129	34,007	21,625	25,768	6,809
	\$92,089	\$43,851	\$39,552	\$36,540	\$20,041	\$30,788	\$37,832	\$39,335	\$60,196	\$36,094	\$23,319	\$35,154	\$8,717
Rockfish, darkblotched										10,078	25,513	8,203	1,259
										\$4,636	\$9,808	\$339	\$423

Table 4b (continued) Rockfish:	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Rockfish, flag						9	1,943	180	1,005	18	130	170	1
						\$8	\$4,167	\$243	\$890	\$20	\$52	\$72	\$5
Rockfish, gopher		13	28	91	5	7,449	350	31,337	17,327	12,095	19,409	23,477	93,449
		\$13	\$30	\$91	\$4	\$9,857	\$732	\$35,686	\$36,382	\$20,199	\$48,483	\$66,295	\$330,711
Rockfish, grass					3,653	11,267	22,139	72,601	108,714	93,276	87,829	92,196	59,258
					\$3,658	\$15,694	\$72,514	\$293,826	\$506,216	\$425,433	\$408,586	\$446,713	\$299,142
Rockfish, greenblotched				5								19	
				\$2								\$10	
Rockfish, greenspotted		541	935	104	2,886	29,605	9,323	33,381	15,356	41,785	44,779	27,160	13,523
		\$352	\$608	\$81	\$2,024	\$19,081	\$6,391	\$32,441	\$13,614	\$38,603	\$32,572	\$19,464	\$14,335
Rockfish, greenstriped					1,045	1,686	1,643	3,140	4,219	1,529	1,909	7,317	1,781
					\$523	\$765	\$721	\$1,115	\$1,280	\$381	\$520	\$5,436	\$1,129
Rockfish, group black/blue								10,309	384	2,226	8,192	2,695	487
								\$5,545	\$404	\$1,173	\$4,503	\$1,414	\$449
Rockfish, group bocaccio/chilipepper	5,029,299	4,023,948	4,139,424	3,851,594	23,127	10,674	15,472				542		
	\$1,994,719	\$1,524,876	\$1,494,614	\$1,409,842	\$9,490	\$3,546	\$5,599				\$325		
Rockfish, group bolina	96,714	144,545	168,133	135,187	203,945	162,079	103,485	73,926	56,229	97,338	126,021	125,799	99,723
	\$84,516	\$138,407	\$178,366	\$141,807	\$244,180	\$207,895	\$175,393	\$152,424	\$111,308	\$206,527	\$241,731	\$263,417	\$313,006
Rockfish, group canary/vermillion								147	227	33	58		164
								\$117	\$204	\$30	\$123		\$148
Rockfish, group deepwater reds	1,876			578	257	1,063	500	2,368	36,572	6,138	4,332	379	
	\$814			\$282	\$84	\$433	\$150	\$1,637	\$17,129	\$3,793	\$3,375	\$178	
Rockfish, group gopher	95,702	156,017	129,756	134,073	183,256	172,256	170,080	147,069	167,911	221,320	141,795	135,196	28,471
	\$113,252	\$198,064	\$150,127	\$154,259	\$224,407	\$251,517	\$256,801	\$258,739	\$342,448	\$530,940	\$356,083	\$359,805	\$94,691
Rockfish, group nearshore													129
													\$468
Rockfish, group red	1,670,231	2,045,468	2,623,973	2,804,469	2,326,616	1,682,520	1,274,731	1,354,762	1,044,708	1,225,176	850,531	710,605	239,341
	\$1,065,156	\$1,366,042	\$1,891,067	\$1,811,606	\$1,719,551	\$1,481,297	\$1,299,091	\$1,245,298	\$1,028,278	\$1,068,647	\$871,191	\$666,841	\$265,505
Rockfish, group rosefish	1,143,584	911,889	803,828	1,028,221	910,364	854,455	756,903	549,425	650,929	594,180	773,483	2,763,788	407,670
	\$307,099	\$236,303	\$183,231	\$244,414	\$230,086	\$217,334	\$183,755	\$149,876	\$220,292	\$157,797	\$194,823	\$670,435	\$104,121
Rockfish, group small	620,535	1,016,713	687,511	1,032,725	808,536	497,502	774,441	1,099,744	924,333	1,210,981	1,487,399	1,235,179	288,183
	\$178,826	\$255,649	\$168,646	\$269,209	\$233,214	\$140,483	\$233,180	\$355,132	\$289,709	\$321,413	\$384,920	\$352,208	\$89,951
Rockfish, honeycomb							24						
							\$9						
Rockfish, kelp		40			1,222	68	5,663	6,673	5,307	4,297	2,009	1,653	2,974
		\$215			\$916	\$35	\$5,652	\$10,254	\$6,083	\$7,377	\$2,103	\$2,402	\$10,439
Rockfish, olive	12	290	793	627	136	623	483	135	564	720	645	1,259	1,218
	\$5	\$201	\$402	\$358	\$66	\$351	\$336	\$83	\$310	\$2,089	\$1,701	\$4,693	\$1,993

Table 4b (continued) Rockfish:	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Rockfish, Pacific ocean perch	389	15				3,176	128	323	20	45			3,426
	\$339	\$9				\$982	\$117	\$113	\$7	\$135			\$975
Rockfish, pink	13	192	6								2		
	\$10	\$114	\$8								\$10		
Rockfish, pinkrose						597	244	214			296	3,757	
						\$219	\$90	\$107			\$118	\$1,690	
Rockfish, quillback								2,776	11,448	17,936	20,739	26,145	18,030
								\$4,021	\$16,457	\$35,702	\$31,765	\$48,063	\$55,315
Rockfish, redbanded			1,308		18	890	200	6,138	2,173	1,104	1,480	447	251
			\$1,439		\$12	\$558	\$111	\$4,776	\$1,361	\$837	\$1,330	\$359	\$218
Rockfish, rosethorn					5,752	1,297	2,547	10,157	10,248	15,855	18,792	5,307	1,106
					\$2,677	\$499	\$927	\$4,856	\$5,353	\$8,411	\$7,912	\$2,039	\$923
Rockfish, rosy	5,013	118	760	1,328	64	276		1,002	202	39		8,560	591
	\$1,588	\$30	\$114	\$865	\$22	\$69		\$587	\$103	\$34		\$4,047	\$209
Rockfish, shortbelly			1,143	6,202		400		6,195	12,600	61,440	44,888	15,088	17,634
			\$137	\$1,058		\$48		\$1,073	\$1,957	\$5,690	\$5,827	\$1,776	\$1,069
Rockfish, speckled	307							13	10	4,706	455	1,447	4,975
	\$184							\$10	\$10	\$1,995	\$336	\$986	\$6,702
Rockfish, splitnose	3,704			2,674	111,995	21,459	17,602	4,029	18	370	936	89,585	74,081
	\$3,646			\$1,846	\$31,722	\$5,757	\$4,443	\$1,075	\$32	\$107	\$234	\$15,809	\$21,188
Rockfish, squarespot								1,413	94				23
								\$1,198	\$41				\$23
Rockfish, starry				3,261	33,652	31,381	26,325	20,236	5,050	455	148	3,482	2,274
				\$5,049	\$55,158	\$47,754	\$41,003	\$25,380	\$6,766	\$644	\$170	\$4,213	\$3,070
Rockfish, swordspine										1,423	2		295
										\$1,399	\$1		\$192
Rockfish, treefish		1				16	17	114	199	1,536	1,744	231	1,960
		\$35				\$44	\$50	\$353	\$713	\$1,861	\$2,693	\$1,097	\$10,026
Rockfish, unspecified	15,816,720	13,090,228	15,358,303	16,036,264	11,326,256	8,613,889	7,177,482	4,329,766	4,329,514	3,851,532	3,859,872	3,019,771	635,388
	\$5,895,226	\$4,713,694	\$5,371,711	\$6,157,204	\$4,788,224	\$4,090,234	\$3,608,946	\$1,925,436	\$1,994,592	\$1,742,302	\$1,658,466	\$1,546,531	\$424,966
Rockfish, vermilion	42	66	540	102	1,591	2,167	2,277	48,690	46,501	30,819	32,021	22,659	23,347
	\$25	\$53	\$384	\$85	\$1,161	\$1,206	\$2,009	\$42,746	\$43,232	\$28,608	\$31,460	\$26,472	\$35,424
Rockfish, widow	4,684,568	3,759,179	3,486,417	4,190,872	2,536,781	2,392,724	2,560,432	2,015,399	3,741,581	3,106,827	3,088,267	2,140,151	1,410,627
	\$1,540,747	\$1,109,186	\$916,231	\$1,135,405	\$723,601	\$714,845	\$775,457	\$693,815	\$1,348,173	\$1,050,573	\$1,036,202	\$890,565	\$609,988
Rockfish, yelloweye	51,291	35,670	49,631	86,607	86,866	64,620	40,158	56,754	66,949	99,667	92,249	38,202	21,106
	\$32,717	\$23,221	\$32,650	\$70,334	\$70,694	\$55,553	\$36,919	\$60,035	\$87,698	\$133,270	\$117,986	\$50,851	\$37,294
Rockfish, yellowtail	183,285	216,017	48,200	205,446	294,035	430,696	251,775	543,557	533,686	465,389	547,713	755,097	231,128
	\$89,996	\$94,656	\$21,749	\$88,929	\$117,302	\$182,988	\$103,278	\$248,330	\$249,965	\$208,571	\$274,270	\$396,270	\$126,865

Table 4b (continued) Rockfish:	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Total pounds	30,147,392	26,362,356	28,606,537	30,651,460	24,112,352	22,430,914	18,724,130	16,348,238	17,650,267	16,417,911	16,193,930	15,225,130	6,387,025
Total ex-vessel value (dollars)	\$11,717,006	\$10,118,605	\$10,947,759	\$12,140,816	\$10,484,325	\$10,380,023	\$9,110,740	\$8,518,274	\$9,352,574	\$8,753,420	\$8,324,303	\$7,968,186	\$4,465,090

Table 4c. Total statewide landings (pounds) and ex-vessel value (dollars) generated by crustaceans, 1987-1999

Year and Pounds Landed and Ex-vessel Value (dollars)													
Crustaceans:	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Barnacle		2 \$4								0.4 \$20			
Crab, box	130 \$88	67 \$32	314 \$191	53 \$46	384 \$604		110 \$140	2,419 \$2,852	82 \$79	2,309 \$1,326	5,544 \$5,706	5,676 \$4,722	6,709 \$7,804
Crab, brown rock										942 \$942	3,977 \$2,651	491 \$491	929 \$557
Crab, claws	82,931 \$47,536	96,471 \$29,434	76,090 \$45,299	64,856 \$19,382	28,805 \$7,733	27,368 \$8,585	19,482 \$5,284	4,423 \$4,299	3,812 \$3,172	6,490 \$6,924	4,958 \$5,079	5,447 \$5,374	3,347 \$4,235
Crab, Dungeness	6,857,070 \$9,715,352	11,297,696 \$14,856,839	5,718,017 \$7,648,592	10,369,518 \$16,275,391	4,246,044 \$6,800,726	8,327,150 \$10,722,225	11,958,438 \$13,225,576	13,488,794 \$18,564,551	9,237,245 \$14,650,778	12,333,218 \$17,229,688	9,912,147 \$18,684,054	10,693,094 \$19,938,753	8,717,607 \$17,131,220
Crab, king	138 \$116	687 \$437	154 \$142	110 \$77	275 \$275	29 \$41	88 \$259	313 \$542	115 \$217	481 \$763	22 \$44	229 \$456	483 \$976
Crab, pelagic red													2 \$1
Crab, red rock									21 \$23	20,612 \$22,944	20,702 \$21,839	27,626 \$31,561	1,308 \$1,055
Crab, rock unspecified	1,567,101 \$1,480,488	1,239,273 \$1,202,763	1,309,975 \$1,305,472	1,789,198 \$1,819,480	1,623,381 \$1,679,537	1,468,309 \$1,544,544	1,287,378 \$1,333,647	1,002,373 \$1,051,492	935,535 \$1,103,204	1,043,165 \$1,222,919	1,181,150 \$1,368,883	1,239,905 \$1,446,998	796,366 \$1,015,118
Crab, sand	50 \$60	5 \$6		798 \$439	96 \$48	57 \$56	1,072 \$789	127 \$315	51 \$1,275	5 \$6	216 \$426	3 \$34	110 \$144
Crab, shore	8 \$140							8,272 \$11,498	40 \$40			12 \$12	926 \$1,243
Crab, spider	99,546 \$49,997	107,569 \$58,579	70,057 \$42,072	93,444 \$60,042	99,500 \$65,742	89,871 \$67,767	71,173 \$45,599	67,290 \$46,856	59,427 \$47,720	58,852 \$47,019	95,801 \$86,280	99,797 \$86,035	68,621 \$61,118
Crab, tanner	6 \$3	100 \$50					2,364 \$827	2,008 \$2,791	6,841 \$7,911	202 \$101	37,051 \$26,706		262 \$909
Crab, yellow rock									111,760 \$134,166	92,502 \$104,432	90,927 \$99,012	12,395 \$13,802	322 \$475
Crustacean, unspecified	67 \$3,790	26 \$1,297						32 \$175	19 \$49	11 \$71	20 \$9	245 \$181	943 \$326
Lobster, California spiny	449,488 \$2,131,972	610,563 \$3,151,506	737,069 \$3,913,696	708,108 \$3,978,864	605,100 \$3,820,157	585,570 \$3,822,461	554,391 \$3,588,971	470,180 \$3,493,799	616,183 \$4,846,991	651,411 \$5,074,620	914,224 \$6,794,017	654,509 \$4,118,710	486,215 \$3,572,100
Prawn, golden								25 \$132		29 \$22		13 \$26	25 \$194

Table 4c (continued) Crustaceans:	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Prawn, ridgeback	241,857	142,680	165,519	90,835	128,483	75,757	80,532	162,761	414,660	574,624	387,549	435,841	1,392,691
	\$296,219	\$199,269	\$221,166	\$155,237	\$184,216	\$210,419	\$170,270	\$230,803	\$466,080	\$775,016	\$696,716	\$767,183	\$1,553,130
Prawn, spot	88,500	166,621	189,809	303,781	313,086	225,441	347,792	444,354	394,934	527,516	761,605	788,901	613,390
	\$417,515	\$805,994	\$797,602	\$1,456,759	\$1,619,314	\$1,342,922	\$2,180,884	\$2,760,499	\$2,596,163	\$3,579,419	\$5,039,654	\$5,337,446	\$4,211,713
Shrimp, bay	105,168	132,950	128,859	151,382	140,725	114,923	155,891	95,328	98,053	113,398	69,231	89,348	99,319
	\$257,043	\$284,894	\$269,778	\$507,354	\$484,384	\$413,663	\$333,819	\$422,739	\$426,144	\$531,418	\$320,215	\$360,568	\$350,046
Shrimp, brine	96,906	123,253	1,156,754	1,617,039	1,611,437	944,428	1,459,514	741,360	945,017	1,037,590	1,578,368	1,138,635	1,631,889
	\$1,431	\$3,464	\$14,872	\$206,172	\$161,144	\$109,978	\$145,951	\$526,366	\$803,264	\$944,207	\$1,057,507	\$865,362	\$16,324
Shrimp, coonstriped	2,301	911							2,486	35,136	79,173	63,809	75,540
	\$7,478	\$4,557							\$3,729	\$137,374	\$297,409	\$256,888	\$313,783
Shrimp, ghost	55	9,087	11,996	1,356	87	850	43,031	1		11	825	1,957	513
	\$346	\$2,658	\$6,695	\$1,372	\$610	\$1,385	\$24,493	\$6		\$30	\$12,163	\$27,898	\$8,194
Shrimp, mantis								200					
								\$1,000					
Shrimp, Pacific Ocean	8,023,388	11,236,298	13,351,216	8,700,916	10,364,782	18,682,775	7,126,933	11,225,390	5,784,944	9,351,086	14,001,640	1,843,246	4,241,744
	\$5,441,155	\$4,481,021	\$4,739,668	\$4,190,250	\$5,833,603	\$6,214,244	\$2,504,821	\$6,556,654	\$4,203,443	\$5,608,356	\$5,363,328	\$985,167	\$2,042,684
Shrimp, red rock	254	48	18		100		73	27	186	99	15	78	334
	\$1,879	\$1,983	\$220		\$946		\$183	\$205	\$276	\$787	\$150	\$1,636	\$6,950
Shrimp, unspecified	19,866	2,791	20,960	18,934	42	45,012	1,282	3,982	105	194	12,452	305	2,077
	\$97,460	\$12,759	\$24,038	\$9,840	\$179	\$22,656	\$4,280	\$2,190	\$158	\$922	\$8,327	\$597	\$4,309
Total pounds	17,634,828	25,167,096	22,936,806	23,910,329	19,162,327	30,587,538	23,109,544	27,719,658	18,611,515	25,849,885	29,157,596	17,101,562	18,141,671
Total ex-vessel value (dollars)	\$19,950,066	\$25,097,546	\$19,029,502	\$28,680,705	\$20,659,218	\$24,480,945	\$23,565,792	\$33,679,763	\$29,294,882	\$35,289,326	\$39,890,176	\$34,249,898	\$30,304,608

Table 4d. Total statewide landings (pounds) and ex-vessel value (dollars) generated by echinoderms, 1987-1999

Year and Pounds Landed and Ex-vessel Value (dollars)													
Echinoderms:	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Echinoderm, unspecified			587				11	236	15	354	228	316	143
			\$408				\$5	\$1,180	\$75	\$1,177	\$1,140	\$1,520	\$766
Sand dollar													80
													\$800
Sea cucumber, unspecified	107,678	159,106	160,011	148,163	581,972	549,191	646,210	646,929	589,888	839,389	452,640	769,852	601,504
	\$22,921	\$32,318	\$32,890	\$36,542	\$180,940	\$229,486	\$363,319	\$407,510	\$412,725	\$586,471	\$222,838	\$458,222	\$419,652
Sea stars	7	12,664	5					668	375	739	486	610	236
	\$66	\$3,084	\$10					\$763	\$406	\$1,679	\$642	\$1,555	\$399
Urchin, purple sea			2,781	89,633	390,186	316,134	165,032	146,033	79,802	67,682	130,946	23,329	40,095
			\$1,363	\$42,491	\$231,683	\$257,650	\$133,157	\$166,029	\$89,481	\$89,760	\$146,047	\$29,474	\$44,791
Urchin, red	46,061,649	51,987,990	51,200,303	45,266,911	41,945,432	32,366,557	26,852,646	23,772,372	22,256,820	20,062,039	18,020,975	10,553,437	14,182,789
	\$11,794,461	\$17,116,602	\$18,459,543	\$24,504,625	\$33,352,143	\$29,050,006	\$26,542,296	\$25,322,733	\$22,506,879	\$18,776,974	\$15,137,175	\$8,001,731	\$13,465,475
Urchin, white	8	2,101		35				1,481	3,887	3,548	6,457	3,882	4,867
	\$1	\$21,010		\$350				\$5,985	\$8,896	\$8,778	\$32,640	\$19,380	\$15,963
Total pounds	46,169,341	52,161,861	51,363,687	45,504,741	42,917,590	33,231,882	27,663,898	24,567,719	22,930,787	20,973,750	18,611,731	11,351,426	14,829,714
Total ex-vessel value (dollars)	\$11,817,448	\$17,173,014	\$18,494,214	\$24,584,008	\$33,764,766	\$29,537,142	\$27,038,777	\$25,904,201	\$23,018,462	\$19,464,839	\$15,540,482	\$8,511,882	\$13,947,847

Table 4e. Total statewide landings (pounds) and ex-vessel value (dollars) generated by mollusks, 1987-1999

Year and Pounds Landed and Ex-vessel Value (dollars)													
Mollusks:	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Abalone	1,550	75	775	217	1,350			15		67			
	\$8,768	\$225	\$4,359	\$1,872	\$405			\$87		\$622			
Abalone, black	309,786	201,660	222,671	94,193	27,220	37,714	2,031						
	\$774,039	\$559,188	\$782,436	\$393,683	\$122,129	\$183,232	\$10,789						
Abalone, flat								1					
								\$1					
Abalone, green	28,985	23,521	20,150	27,333	8,162	10,304	10,858	992	1,073	56			
	\$135,389	\$124,417	\$121,350	\$179,466	\$54,847	\$71,088	\$42,787	\$10,720	\$12,510	\$810			
Abalone, pink	31,597	19,025	22,554	23,268	12,883	18,229	19,932	15,575	16,398	4			
	\$138,220	\$91,295	\$120,038	\$139,980	\$80,874	\$123,850	\$121,272	\$157,650	\$172,647	\$48			
Abalone, pinto								8	46	6			
								\$18	\$130	\$6			

Table 4e (continued) Mollusks:	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Oyster, giant Pacific		108											
		\$45											
Oyster, unspecified									3		41		
									\$1		\$21		
Scallop, rock									35		6		
									\$17		\$3		
Scallop, unspecified							233						
							\$527						
Sea hare	0.3	647						6,648	6,073	4,781	6,938	9,272	9,528
	\$5	\$16,175						\$44,258	\$46,231	\$43,561	\$50,962	\$57,976	\$60,228
Sea slug	1,384	1,086	0.3	1				2,830	248	9	24	600	325
	\$30,222	\$27,102	\$6	\$24				\$16,065	\$1,043	\$176	\$840	\$4,180	\$1,547
Snail, bubble		134	5					838	385	299	548	875	437
		\$5,340	\$5					\$7,898	\$3,943	\$1,714	\$5,474	\$7,550	\$4,370
Snail, sea	29,722	29,169	22,065	24,762	25,846	24,043	167,704	2,893	6,910	1,763	3,631	6,188	6,110
	\$14,432	\$12,147	\$8,734	\$9,714	\$11,692	\$9,087	\$50,951	\$1,423	\$9,956	\$2,546	\$1,651	\$2,555	\$2,952
Snail, top										721	3,681	86,956	24,276
										\$360	\$1,963	\$38,295	\$9,803
Snails, moon	27				2		46	591	146	210	70	38	1,990
	\$14				\$1		\$23	\$537	\$73	\$67	\$36	\$19	\$762
Squid, jumbo	26			3,370	735,960	37				1,525	12,159	238,851	13,902
	\$6			\$236	\$73,596	\$2				\$1,394	\$5,617	\$69,815	\$4,853
Squid, market	44,056,899	82,082,351	90,152,659	62,714,435	82,426,950	28,902,796	94,185,071	122,372,050	159,685,409	178,095,778	155,174,428	6,381,504	202,712,530
	\$3,791,837	\$5,577,919	\$4,559,836	\$5,188,339	\$6,151,528	\$2,529,135	\$10,101,101	\$16,370,395	\$22,055,264	\$21,723,407	\$20,610,983	\$1,631,073	\$33,279,164
Whelk, Kellet's	1,216	142	1,033	1,621	1,983	1,584	4,590	39,513	29,959	20,391	18,453	29,698	43,779
	\$382	\$114	\$390	\$725	\$1,496	\$1,424	\$1,547	\$16,265	\$11,705	\$8,605	\$7,849	\$14,206	\$30,210
Total pounds	44,978,401	82,742,953	90,985,736	63,326,247	83,625,895	29,507,716	94,872,630	122,751,779	160,014,797	178,378,833	155,384,821	6,793,107	202,831,201
Total ex-vessel value (dollars)	\$6,344,578	\$7,690,326	\$7,648,677	\$7,781,195	\$8,117,592	\$5,413,629	\$13,342,127	\$19,152,613	\$24,645,388	\$24,011,117	\$21,788,192	\$1,858,302	\$33,418,107

Table 4f. Total statewide landings (pounds) and ex-vessel value (dollars) generated by marine plants, 1987-1999

Year and Pounds Landed and Ex-vessel Value (dollars)													
Plants:	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Agar			2 \$1										
Algae, marine	43 \$28		44 \$35	36 \$52	38 \$18			7 \$4	170 \$174	439 \$177	27 \$10	25 \$253	30 \$70
Kelp	1,115 \$836	780 \$172	1,840 \$443	29 \$13	5,992 \$1,803			65 \$65		1,678 \$1,249	1,109 \$1,337	1,718 \$3,209	2,415 \$1,503
Total (pounds)	1,158	780	1,885	65	6,030			72	170	2,117	1,136	1,743	2,445
Total (ex-vessel dollars)	\$864	\$172	\$479	\$65	\$1,821			\$69	\$174	\$1,427	\$1,346	\$3,461	\$1,573

Table 4g. Total statewide landings (pounds) and ex-vessel value(dollars) generated by miscellaneous species, 1987-1999

Year and Pounds Landed and Ex-vessel Value (dollars)													
Miscellaneous species:	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Anemones										187 \$7,460			
Invertebrate, unspecified													61 \$121
Invertebrates, colonial	18 \$509	18,488 \$15,727		330 \$3,300	590 \$3,623	305 \$3,050		685 \$1,653	379 \$1,550	1,392 \$5,107	1,944 \$6,170	1,110 \$2,877	1,087 \$2,773
Sea pansy													6 \$68
Spiders, sea													2 \$2
Sponges								74 \$75	8 \$24	4 \$6			
Tunicates		40 \$71	17 \$30					52 \$246	251 \$927	247 \$809	128 \$311	145 \$340	141 \$688
Worms, marine	1,224 \$790	1,631 \$679	33 \$165		127 \$1,059	37 \$469	13 \$72	8 \$8	144 \$176	24 \$39	1,167 \$700	2,709 \$1,280	70 \$143
Unspecified species			3,638 \$2,707	3,639 \$2,141		4,209 \$2,800	608 \$469	2,239 \$970	104,376 \$45,613	54,256 \$45,379	124,589 \$112,524	6,131 \$4,190	
Total pounds	1,242	20,160	3,688	3,969	717	4,551	621	3,057	105,158	56,109	127,828	10,094	1,367
Total ex-vessel value (dollars)	\$1,299	\$16,476	\$2,902	\$5,441	\$4,682	\$6,319	\$540	\$2,952	\$48,290	\$58,801	\$119,705	\$8,688	\$3,795