

Table 1. 2005 Observer coverage of primary tier-limit sablefish catch landed by limited-entry sablefish-
endorsed fixed-gear vessels by port group and gear type, as recorded on fish tickets.

Port Group	Longline					Pot				
	Not observed		Observed		Total	Not observed		Observed		Total
	mt	Percent of unobserved mt by port group	mt	Percent of observed mt by port group	mt	mt	Percent of unobserved mt by port group	mt	Percent of observed mt by port group	mt
Bellingham	251	61%	164	39%	415					
Neah Bay	125	97%	4	3%	128					
Astoria	127	53%	112	47%	238	166	80%	40	20%	206
Newport	69	46%	82	54%	151	91	42%	127	58%	218
Coos Bay	92	68%	43	32%	134	14	11%	112	89%	126
Crecent City	51	47%	58	53%	109	57	100%	0	0%	57
Eureka	65	90%	7	10%	73					
Fort Bragg	18	31%	41	69%	60					
San Francisco	17	100%	0	0%	17					
Monterey	18	59%	12	41%	30					
ALL PORTS	834	62%	521	38%	1,355	327	54%	280	46%	605

Table 2. 2005 Observer coverage of groundfish catch (excluding skates and sharks) landed by limited-entry sablefish-endorsed fixed-gear vessels by port group and gear type, as recorded on fish tickets.

Port Group	Longline					Pot				
	Not observed		Observed		Total	Not observed		Observed		Total
	mt	Percent of unobserved mt by port group	mt	Percent of observed mt by port group	mt	mt	Percent of unobserved mt by port group	mt	Percent of observed mt by port group	mt
Bellingham	269	63%	175	39%	445					
Neah Bay	137	97%	5	3%	142					
Astoria	138	54%	117	46%	255	172	81%	41	19%	212
Newport	71	46%	83	54%	153	92	42%	128	58%	221
Coos Bay	93	68%	43	32%	136	14	11%	112	89%	126
Crecent City	56	49%	59	52%	115	57	100%	0	0%	57
Eureka	70	90%	8	10%	77					
Fort Bragg	21	32%	44	68%	64					
San Francisco	19	100%	0	0%	19					
Monterey	21	61%	13	39%	33					
ALL PORTS	893	63%	546	38%	1,439	333	54%	282	46%	617

Table 3. Number of 2005 observed limited-entry sablefish-endorsed fixed-gear trips by port group and gear type.

Port Group	Longline		Pot		All Gears	
	Number of trips	Percent of trips in port group	Number of trips	Percent of trips in port group	Number of trips	Percent of trips in port group
Bellingham	12	13%			12	9%
Neah Bay	6	6%			6	4%
Astoria	16	17%	12	31%	28	21%
Newport	7	7%	17	44%	24	18%
Coos Bay	12	13%	9	23%	21	16%
Crescent City	26	27%			26	19%
Eureka	3	3%			3	2%
Fort Bragg	4	4%			4	3%
Monterey	10	10%	1	3%	11	8%
ALL PORTS	96	100%	39	100%	134	100%

Table 4. Number of 2005 observed limited-entry sablefish-endorsed fixed-gear sets by depth strata and gear type. Depths used to partition sets into deep and shallow strata were 100 fathoms north of 40° 10' N. latitude and 150 fathoms south of 40° 10' N. latitude.

Area	Depth	Longline		Pot		All Gears	
		Number of sets	Percent of sets in depth strata	Number of sets	Percent of sets in depth strata	Number of sets	Percent of sets in depth strata
North	Deep	615	98%	488	100%	1103	99%
	Shallow	11	2%	1	0%	12	1%
	All Depth	626	100%	489	100%	1115	100%
South	Deep	26	100%	1	100%	27	100%
	Shallow	0	0%	0	0%	0	0%
	All Depth	26	100%	1	100%	27	100%
All Area	Deep	641	98%	489	100%	1130	99%
	Shallow	11	2%	1	0%	12	1%
	All Depth	652	100%	490	100%	1142	100%

Table 5. 2005 Discard rates for species or species groups from observed limited-entry sablefish-endorsed fixed-gear sets by area and gear type.

Species	Area		Longline		Pot		All Gears	
			Pounds of species	Percent	Pounds of species	Percent	Pounds of species	Percent
Bocaccio Rockfish								
	North	Discarded	31	13%			31	13%
		Retained	212	87%			212	87%
		Total Catch	243	100%			243	100%
	South	Discarded						
		Retained	5	100%			5	100%
		Total Catch	5	100%			5	100%
	Total	Discarded	31	12%			31	12%
		Retained	217	88%			217	88%
		Total Catch	248	100%			248	100%
Canary Rockfish								
	North	Discarded	469	100%			469	100%
		Retained						
		Total Catch	469	100%			469	100%
	South	Discarded						
		Retained						
		Total Catch						
	Total	Discarded	469	100%			469	100%
		Retained						
		Total Catch	469	100%			469	100%
Widow Rockfish								
	North	Discarded			5	100%	5	100%
		Retained						
		Total Catch			5	100%	5	100%
	South	Discarded						
		Retained						
		Total Catch						
	Total	Discarded			5	100%	5	100%
		Retained						
		Total Catch			5	100%	5	100%
Yelloweye Rockfish								
	North	Discarded	457	100%	7	100%	464	100%
		Retained						
		Total Catch	457	100%	7	100%	464	100%
	South	Discarded						
		Retained						
		Total Catch						
	Total	Discarded	457	100%	7	100%	464	100%
		Retained						
		Total Catch	457	100%	7	100%	464	100%

Table 5 cont. 2005 Discard rates for species or species groups from observed limited-entry sablefish-
endorsed fixed-gear sets by area and gear type.

Species	Area		Longline		Pot		All Gears	
			Pounds of species	Percent	Pounds of species	Percent	Pounds of species	Percent
Darkblotched Rockfish								
North	Discarded		211	11%	94	39%	305	14%
	Retained		1,740	89%	145	61%	1,885	86%
	Total Catch		1,950	100%	239	100%	2,189	100%
South	Discarded		5	8%			5	8%
	Retained		61	92%			61	92%
	Total Catch		66	100%			66	100%
Total	Discarded		216	11%	94	39%	310	14%
	Retained		1,801	89%	145	61%	1,946	86%
	Total Catch		2,016	100%	239	100%	2,256	100%
Pacific Ocean Perch								
North	Discarded		159	42%			159	42%
	Retained		219	58%	1	100%	220	58%
	Total Catch		378	100%	1	100%	379	100%
South	Discarded							
	Retained							
	Total Catch							
Total	Discarded		159	42%			159	42%
	Retained		219	58%	1	100%	220	58%
	Total Catch		378	100%	1	100%	379	100%
Lingcod								
North	Discarded		5,256	54%	1,234	45%	6,490	52%
	Retained		4,532	46%	1,506	55%	6,038	48%
	Total Catch		9,788	100%	2,740	100%	12,528	100%
South	Discarded		20	66%			20	66%
	Retained		10	34%			10	34%
	Total Catch		30	100%			30	100%
Total	Discarded		5,276	54%	1,234	45%	6,510	52%
	Retained		4,543	46%	1,506	55%	6,049	48%
	Total Catch		9,819	100%	2,740	100%	12,559	100%
Dover Sole								
North	Discarded		1,204	82%	356	25%	1,560	54%
	Retained		258	18%	1,073	75%	1,331	46%
	Total Catch		1,462	100%	1,429	100%	2,890	100%
South	Discarded		72	58%	2	100%	73	58%
	Retained		53	42%			53	42%
	Total Catch		124	100%	2	100%	126	100%
Total	Discarded		1,275	80%	358	25%	1,633	54%
	Retained		311	20%	1,073	75%	1,383	46%
	Total Catch		1,586	100%	1,431	100%	3,017	100%

Table 5 cont. 2005 Discard rates for species or species groups from observed limited-entry sablefish-
endorsed fixed-gear sets by area and gear type.

Species	Area		Longline		Pot		All Gears	
			Pounds of species	Percent	Pounds of species	Percent	Pounds of species	Percent
Longspine Thornyhead								
North	Discarded				7	83%	7	74%
	Retained		1	100%	1	17%	3	26%
	Total Catch		1	100%	9	100%	10	100%
South	Discarded		5	16%			5	16%
	Retained		27	84%			27	84%
	Total Catch		32	100%			32	100%
Total	Discarded		5	15%	7	83%	12	30%
	Retained		28	85%	1	17%	29	70%
	Total Catch		33	100%	9	100%	42	100%
Shortspine Thornyhead								
North	Discarded		548	9%	43	11%	592	9%
	Retained		5,488	91%	335	89%	5,824	91%
	Total Catch		6,036	100%	379	100%	6,415	100%
South	Discarded		13	4%			13	4%
	Retained		348	96%			348	96%
	Total Catch		361	100%			361	100%
Total	Discarded		561	9%	43	11%	605	9%
	Retained		5,837	91%	335	89%	6,172	91%
	Total Catch		6,398	100%	379	100%	6,777	100%
Mixed Thornyheads								
North	Discarded		4	2%			4	2%
	Retained		253	98%			253	98%
	Total Catch		257	100%			257	100%
South	Discarded		6	6%			6	6%
	Retained		90	94%			90	94%
	Total Catch		96	100%			96	100%
Total	Discarded		10	3%			10	3%
	Retained		343	97%			343	97%
	Total Catch		353	100%			353	100%
Sablefish								
North	Discarded		118,453	11%	100,506	14%	218,959	12%
	Retained		1,006,894	89%	615,975	86%	1,622,870	88%
	Total Catch		1,125,347	100%	716,482	100%	1,841,829	100%
South	Discarded		5,237	10%	160	29%	5,398	10%
	Retained		47,274	90%	394	71%	47,668	90%
	Total Catch		52,511	100%	554	100%	53,065	100%
Total	Discarded		123,690	11%	100,666	14%	224,356	12%
	Retained		1,054,168	89%	616,370	86%	1,670,537	88%
	Total Catch		1,177,858	100%	717,036	100%	1,894,894	100%

Table 5 cont. 2005 Discard rates for species or species groups from observed limited-entry sablefish-
endorsed fixed-gear sets by area and gear type.

Species	Area		Longline		Pot		All Gears	
			Pounds of species	Percent	Pounds of species	Percent	Pounds of species	Percent
Pacific Hake								
	North	Discarded	292	100%	52	100%	344	100%
		Retained						
		Total Catch	292	100%	52	100%	344	100%
	South	Discarded						
		Retained						
		Total Catch						
	Total	Discarded	292	100%	52	100%	344	100%
		Retained						
		Total Catch	292	100%	52	100%	344	100%
Arrowtooth Flounder								
	North	Discarded	45,579	96%	1,511	81%	47,091	96%
		Retained	1,714	4%	349	19%	2,063	4%
		Total Catch	47,294	100%	1,860	100%	49,154	100%
	South	Discarded						
		Retained						
		Total Catch						
	Total	Discarded	45,579	96%	1,511	81%	47,091	96%
		Retained	1,714	4%	349	19%	2,063	4%
		Total Catch	47,294	100%	1,860	100%	49,154	100%
Petrale Sole								
	North	Discarded	24	10%			24	10%
		Retained	207	90%			207	90%
		Total Catch	231	100%			231	100%
	South	Discarded						
		Retained						
		Total Catch						
	Total	Discarded	24	10%			24	10%
		Retained	207	90%			207	90%
		Total Catch	231	100%			231	100%
Other Flatfish								
	North	Discarded	7	100%	5	100%	12	100%
		Retained						
		Total Catch	7	100%	5	100%	12	100%
	South	Discarded						
		Retained						
		Total Catch						
	Total	Discarded	7	100%	5	100%	12	100%
		Retained						
		Total Catch	7	100%	5	100%	12	100%

Table 5 cont. 2005 Discard rates for species or species groups from observed limited-entry sablefish-
endorsed fixed-gear sets by area and gear type.

Species	Area		Longline		Pot		All Gears	
			Pounds of species	Percent	Pounds of species	Percent	Pounds of species	Percent
Yellowtail Rockfish								
	North	Discarded	239	60%			239	60%
		Retained	162	40%			162	40%
		Total Catch	400	100%			400	100%
	South	Discarded						
		Retained	5	100%			5	100%
		Total Catch	5	100%			5	100%
	Total	Discarded	239	59%			239	59%
		Retained	166	41%			166	41%
		Total Catch	405	100%			405	100%
Other Shelf Rockfish								
	North	Discarded	1,871	48%	10	38%	1,881	48%
		Retained	2,025	52%	16	62%	2,041	52%
		Total Catch	3,896	100%	26	100%	3,922	100%
	South	Discarded						
		Retained	20	100%			20	100%
		Total Catch	20	100%			20	100%
	Total	Discarded	1,871	48%	10	38%	1,881	48%
		Retained	2,045	52%	16	62%	2,061	52%
		Total Catch	3,916	100%	26	100%	3,942	100%
Other Slope Rockfish								
	North	Discarded	9,188	22%	129	10%	9,318	22%
		Retained	32,019	78%	1,214	90%	33,233	78%
		Total Catch	41,207	100%	1,344	100%	42,551	100%
	South	Discarded	86	6%			86	6%
		Retained	1,396	94%			1,396	94%
		Total Catch	1,482	100%			1,482	100%
	Total	Discarded	9,274	22%	129	10%	9,404	21%
		Retained	33,415	78%	1,214	90%	34,629	79%
		Total Catch	42,689	100%	1,344	100%	44,033	100%
Unid. Roundfish								
	North	Discarded	1,510	71%	912	75%	2,422	72%
		Retained	631	29%	311	25%	942	28%
		Total Catch	2,141	100%	1,223	100%	3,364	100%
	South	Discarded	134	11%			134	11%
		Retained	1,096	89%			1,096	89%
		Total Catch	1,230	100%			1,230	100%
	Total	Discarded	1,644	49%	912	75%	2,555	56%
		Retained	1,727	51%	311	25%	2,038	44%
		Total Catch	3,371	100%	1,223	100%	4,594	100%

Table 5 cont. 2005 Discard rates for species or species groups from observed limited-entry sablefish-
endorsed fixed-gear sets by area and gear type.

Species	Area		Longline		Pot		All Gears	
			Pounds of species	Percent	Pounds of species	Percent	Pounds of species	Percent
Pacific Halibut								
	North	Discarded	177,824	84%	3,415	100%	181,239	85%
		Retained	32,989	16%			32,989	15%
		Total Catch	210,813	100%	3,415	100%	214,228	100%
	South	Discarded	13	100%			13	100%
		Retained						
		Total Catch	13	100%			13	100%
	Total	Discarded	177,837	84%	3,415	100%	181,252	85%
		Retained	32,989	16%			32,989	15%
		Total Catch	210,826	100%	3,415	100%	214,241	100%
Coho Salmon								
	North	Discarded	8	100%			8	100%
		Retained						
		Total Catch	8	100%			8	100%
	South	Discarded						
		Retained						
		Total Catch						
	Total	Discarded	8	100%			8	100%
		Retained						
		Total Catch	8	100%			8	100%

Table 6. 2005 Ratio estimates and standard errors for the total bycatch of overfished species and sablefish per one-hundred pounds of retained sablefish from observed limited-entry sablefish- endorsed fixed-gear sets by area and gear type.

Species	Area	Longline			Pot		
		Lbs of species caught per 100 lb of retained sablefish			Lbs of species caught per 100 lb of retained sablefish		
		n	ratio	se	n	ratio	se
Bocaccio Rockfish	North	626	0.0241	0.0118	489	0.0000	
	South	26	0.0106	0.0054	1		
Canary Rockfish	North	626	0.0466	0.0161	489	0.0000	
	South	26	0.0000		1		
Cowcod Rockfish	North	626	0.0000		489	0.0000	
	South	26	0.0000		1		
Darkblotched Rockfish	North	626	0.1937	0.0498	489	0.0388	0.0095
	South	26	0.1401	0.0848	1		
Lingcod ¹	North	626	0.9721	0.1440	489	0.4449	0.1151
	South	26	0.0644	0.0485	1		
Pacific Ocean Perch	North	626	0.0375	0.0202	489	0.0002	0.0001
	South	26	0.0000		1		
Widow Rockfish	North	626	0.0000		489	0.0008	0.0008
	South	26	0.0000		1		
Yelloweye Rockfish	North	626	0.0454	0.0158	489	0.0011	0.0011
	South	26	0.0000		1		
Sablefish	North	626	111.7641	0.8014	489	116.3166	1.2622
	South	26	111.0791	1.7925	1		

¹Lingcod was declared rebuilt in 2006.

Table 7. 2005 Ratio estimates and standard errors for the discard of 35 selected species or species groups from observed limited-entry sablefish-endorsed fixed-gear sets by area and gear type. Where quantities could not be estimated, cells were left blank.

Species	Area	Longline							Pot						
		Number of sets	Percent of species discarded from total catch of species		Discarded lbs of species per unit effort		Discarded lbs of species per 100 lbs of retained sablefish		Number of sets	Percent of species discarded from total catch of species		Discarded lbs of species per unit effort		Discarded lbs of species per 100 lbs of retained sablefish	
			%	se	ratio	se	ratio	se		%	se	ratio	se	ratio	se
Arrowtooth Flounder	North	626	96.38%	1.19%	4.2367	0.3727	4.5267	0.4102	489	81.24%	4.58%	0.0188	0.0028	0.2454	0.0356
	South	26			0.0000		0.0000		1						
Black Rockfish	North	626			0.0000		0.0000		489			0.0000		0.0000	
	South	26			0.0000		0.0000		1						
Blackgill Rockfish	North	626	1.15%	0.64%	0.0010	0.0006	0.0011	0.0006	489	7.41%	4.77%	0.0003	0.0002	0.0043	0.0028
	South	26	7.03%	3.33%	0.1080	0.0522	0.1602	0.0747	1						
Bocaccio Rockfish	North	626	12.73%	8.93%	0.0029	0.0017	0.0031	0.0018	489			0.0000		0.0000	
	South	26	0.00%		0.0000		0.0000		1						
California Halibut	North	626			0.0000		0.0000		489			0.0000		0.0000	
	South	26			0.0000		0.0000		1						
Canary Rockfish	North	626	100.00%		0.0436	0.0150	0.0466	0.0161	489			0.0000		0.0000	
	South	26			0.0000		0.0000		1						
Chinook Salmon	North	626			0.0000		0.0000		489			0.0000		0.0000	
	South	26			0.0000		0.0000		1						
Chum Salmon	North	626			0.0000		0.0000		489			0.0000		0.0000	
	South	26			0.0000		0.0000		1						
Coho Salmon	North	626	100.00%		0.0008	0.0008	0.0008	0.0008	489			0.0000		0.0000	
	South	26			0.0000		0.0000		1						
Cowcod Rockfish	North	626			0.0000		0.0000		489			0.0000		0.0000	
	South	26			0.0000		0.0000		1						
Darkblotched Rockfish	North	626	10.79%	2.81%	0.0196	0.0042	0.0209	0.0046	489	39.29%	12.36%	0.0012	0.0005	0.0153	0.0066
	South	26	7.66%	3.74%	0.0072	0.0071	0.0107	0.0106	1						
Dover sole	North	626	82.36%	5.14%	0.1119	0.0144	0.1196	0.0161	489	24.92%	4.05%	0.0044	0.0007	0.0578	0.0088
	South	26	57.58%	17.26%	0.1020	0.0354	0.1513	0.0654	1						
English Sole	North	626			0.0000		0.0000		489			0.0000		0.0000	
	South	26			0.0000		0.0000		1						
Lingcod	North	626	53.70%	6.57%	0.4885	0.0976	0.5220	0.1081	489	45.04%	10.87%	0.0153	0.0066	0.2004	0.0860
	South	26	65.69%	32.51%	0.0285	0.0279	0.0423	0.0427	1						
Longspine Thornyhead	North	626	0.00%		0.0000		0.0000		489	83.50%	10.04%	0.0001	0.0000	0.0012	0.0004
	South	26	15.93%	6.41%	0.0072	0.0047	0.0107	0.0079	1						

Table 7 cont. 2005 Ratio estimates and standard errors for the discard of 35 selected species or species groups from observed limited-entry sablefish-endorsed fixed-gear sets by area and gear type. Where quantities could not be estimated, cells were left blank.

Species	Area	Longline								Pot							
		Number of sets	Percent of species discarded from total catch of species		Discarded lbs of species per unit effort		Discarded lbs of species per 100 lbs of retained sablefish		Number of sets	Percent of species discarded from total catch of species		Discarded lbs of species per unit effort		Discarded lbs of species per 100 lbs of retained sablefish			
			%	se	ratio	se	ratio	se		%	se	ratio	se	ratio	se		
Mixed Thornyheads	North	626	1.59%	1.19%	0.0004	0.0003	0.0004	0.0003	489			0.0000		0.0000			
	South	26	6.49%	3.25%	0.0089	0.0087	0.0132	0.0136	1								
Other Flatfish	North	626	100.00%		0.0006	0.0006	0.0007	0.0007	489	100.00%		0.0001	0.0000	0.0008	0.0004		
	South	26			0.0000		0.0000		1								
Other Nearshore Rockfish	North	626			0.0000		0.0000		489			0.0000		0.0000			
	South	26			0.0000		0.0000		1								
Other Roundfish	North	626	70.53%	7.98%	0.1403	0.0251	0.1500	0.0277	489	74.54%	6.08%	0.0113	0.0045	0.1480	0.0585		
	South	26	10.88%	3.85%	0.1908	0.0891	0.2831	0.1608	1								
Other Shelf Rockfish	North	626	48.03%	10.84%	0.1740	0.0363	0.1859	0.0398	489	38.21%	14.55%	0.0001	0.0000	0.0016	0.0006		
	South	26	0.00%		0.0000		0.0000		1								
Other Slope Rockfish	North	626	22.79%	3.23%	0.8531	0.1532	0.9115	0.1683	489	10.45%	2.61%	0.0013	0.0003	0.0167	0.0040		
	South	26	2.56%	0.92%	0.0147	0.0097	0.0218	0.0132	1								
Pacific Halibut	North	626	84.35%	3.03%	16.5292	3.2228	17.6606	3.5279	489	100.00%		0.0424	0.0195	0.5544	0.2571		
	South	26	100.00%		0.0188	0.0184	0.0278	0.0275	1								
Pacific Hake	North	626	100.00%		0.0272	0.0051	0.0290	0.0055	489	100.00%		0.0006	0.0002	0.0084	0.0031		
	South	26			0.0000		0.0000		1								
Pacific Ocean Perch	North	626	42.06%	12.99%	0.0148	0.0056	0.0158	0.0060	489	0.00%		0.0000		0.0000			
	South	26			0.0000		0.0000		1								
Petrale Sole	North	626	10.34%	7.27%	0.0022	0.0016	0.0024	0.0018	489			0.0000		0.0000			
	South	26			0.0000		0.0000		1								
Pink Salmon	North	626			0.0000		0.0000		489			0.0000		0.0000			
	South	26			0.0000		0.0000		1								
Sablefish	North	626	10.53%	0.64%	11.0105	0.7686	11.7641	0.8014	489	14.03%	0.93%	1.2475	0.1055	16.3166	1.2622		
	South	26	9.97%	1.45%	7.4688	1.3854	11.0791	1.7925	1								
Shortspine Thornyhead	North	626	9.08%	0.95%	0.0509	0.0059	0.0544	0.0066	489	11.48%	5.56%	0.0005	0.0003	0.0071	0.0034		
	South	26	3.61%	1.46%	0.0186	0.0090	0.0276	0.0161	1								
Sockeye Salmon	North	626			0.0000		0.0000		489			0.0000		0.0000			
	South	26			0.0000		0.0000		1								
Starry Flounder	North	626			0.0000		0.0000		489			0.0000		0.0000			
	South	26			0.0000		0.0000		1								

Table 7 cont. 2005 Ratio estimates and standard errors for the discard of 35 selected species or species groups from observed limited-entry sablefish-endorsed fixed-gear sets by area and gear type. Where quantities could not be estimated, cells were left blank.

Species	Area	Longline								Pot							
		Number of sets	Percent of species discarded from total catch of species		Discarded lbs of species per unit effort		Discarded lbs of species per 100 lbs of retained sablefish		Number of sets	Percent of species discarded from total catch of species		Discarded lbs of species per unit effort		Discarded lbs of species per 100 lbs of retained sablefish			
			%	se	ratio	se	ratio	se		%	se	ratio	se	ratio	se		
Steelhead	North	626			0.0000		0.0000		489			0.0000		0.0000			
	South	26			0.0000		0.0000		1								
Unidentified Salmon Species	North	626			0.0000		0.0000		489			0.0000		0.0000			
	South	26			0.0000		0.0000		1								
Widow Rockfish	North	626			0.0000		0.0000		489	100.00%		0.0001	0.0001	0.0008	0.0008		
	South	26			0.0000		0.0000		1								
Yelloweye Rockfish	North	626	100.00%		0.0425	0.0147	0.0454	0.0158	489	100.00%		0.0001	0.0001	0.0011	0.0011		
	South	26			0.0000		0.0000		1								
Yellowtail Rockfish	North	626	59.65%	15.11%	0.0222	0.0107	0.0237	0.0115	489			0.0000		0.0000			
	South	26	0.00%		0.0000		0.0000		1								