black_rockfish_sensitivity_table

₂ Contents

Table 1: One of the black rockfish sensitivity tables.

	Base case			Index removal	moval				Ler	Length comp removal	removal				A	Age comp removal	removal		
		1	2	3	4	22	9	7	∞	6	10	11	12	13	14	15	16	17	18
Total likelihood	1618	1628	1502	1629	1629	1633	1546	1593	1532	1482	1486	1571	1618	1576	1599	1110	1165	1581	638
Survey Intellinged components Onboard	6-	က	-10	6-	6-	6-	9-	6-		6-	6-	6-	-11	6-	6-	6-	6-	6-	6-
Tag	99	99	3232	99	99	99	3143	99	29	99	64	99		99	99	65	99	99	65
MRFSS	-11	-11	-7	eo ,	-11	-11	rć r	-11		-11	-10	-11		-11	-11	-11	-11	-11	-11
Orbs CommLog	-11	-11	-12	-11	-15	-11 15	ο 4.	-11	-11	-11	-11	-11	-13	-11	-11	-11	-11	-11 -15	-11
Length likelihood components			0	1	1	1	į	0		1	0	i					ì		ì
Trawl Live	427	24	26 83	22	25	25	27	32		7 22	23 73	25	32	24 70	24	24 75	255	24 76	25
Dead	118	118	125	118	118	118	124	118		249	117	118	1033	118	118	114	117	118	114
RecO Boos	94	94	94	95 46	95	95 16	94	94	94	88	5580 46	94 061	1301	94 46	94 16	89	92	94	827
Age likeklihood components	Ç.	Ç.	ř	2	O.F	O.F.	ř	2		o F	0.5	# O.O.	# -	o F	Q.	ř	ř	O.F	ř
Trawl	42	42	40	42	42	42	40	42	41	42	39	41	37	43	42	44	39	43	32
Live	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	20	19	19	23
RecO	427	425	414	427	427	426	414	427	431	427	415	428	432	425	425	420	550	427	729
Small	37	37	38	37	37	37	37	37	35	37	39	37	36	37	37	35	38	39	62
Millor intermood components Trawl	72	73	73	73	73	73	73	72		73	72	72	72		73	72	73	73	72
Dead	152	152	128	152	152	152	129	152	152	137	152	154	115	152	152	151	153	152	152
Farameters NatM \setminus p \setminus 1 \setminus Fem \setminus GP \setminus 1	0.17	0.17	0.17	0.17	0.17	0.17	0.17								0.17	0.17	0.17	0.17	0.17
NatM/p/2/Fem/GP/1	0.2	0.2	0.2	0.2	0.2	0.2	0.2								0.2	0.2	0.2	0.2	0.2
L/at/Amin/Fem/GP/1	20.32	19.92	19.7	20.34	20.33	20.23	19.69								19.91	20.37	21.93	19.8	27.84
VonBert K Fem GP 1	43.00	0.23	0.22	49.04	0.22	0.22	0.22								0.23	0.25	0.14	48.09 0.24	0.28
CV_young_Fem_GP_1	0.12	0.12	0.12	0.12	0.12	0.12	0.12					0.12			0.12	0.14	0.1	0.11	0.09
$CV \setminus old \setminus Fem \setminus GP \setminus 1$	0.07	0.07	0.08	0.07	0.07	0.07	0.08								0.07	0.06	80.0	0.07	0.08
$NatM_p = 1/Ma1/GP = 1$	0.17	0.17	0.17	0.17	0.17	0.17	0.17								0.17	0.17	0.17	0.17	0.17
L = at Amin Mal GP = 1	17.47	17.32	16.72	17.49	17.48	17.43	16.72								17.3	17.09	18.2	15.86	21.18
L = at = Amax = Mal = GP = 1	43.27	43.24	43.45	43.27	43.27	43.27	43.46								43.23	42.99	43.54	43.09	41.72
VonBert / K / Mal / GP / 1 $CV / vonng / Mal / GP / 1$	0.34	0.35	0.33	0.34	0.34	0.34	0.33	0.34	0.33	0.35	0.32		0.24	0.34	0.35	0.35 0.18	0.33	0.37	0.54
$CV \setminus Old \setminus Mal \setminus GP \setminus I$	70.0	0.06	90.0	0.07	0.07	0.07	90.0								90.0	90.0	0.07	0.07	0.07
Wtlen = 2 Fem	2.88	2.88	2.88	2.88	2.88	2.88	2.88								2.88	2.88	2.88	2.88	2.88
Mat50 \% _Fem Eggs/kg_inter_Fem	43.69 0.27	0.27	43.69	43.69	43.69	43.69	43.69								43.69 0.27	43.69 0.27	43.69 0.27	43.69 0.27	43.69
Eggs/kg/slope/wt/Fem	60.0	0.09	0.09	0.09	0.09	0.09	60.0								60.0	0.09	60.0	60.0	0.09
$\frac{\text{Wtlen}}{\text{CD}}$ $\frac{2}{\text{Mal}}$	2.89	2.89	2.89	2.89	2.89	2.89	2.89								2.89	2.89	2.89	2.89	2.89
SR BH steep	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77				0.77	_		0.77	0.77	0.77	0.77	0.77
	0.5	0.5	0.5	0.5	0.5	0.5	0.5					0.5			0.5	0.5	0.5	0.5	0.5
Q_extraSD_6_Onboard O_extraSD_8_MBESS	0.24	0.08	0.23	0.24	0.24	0.24	O.0	0.24					0.21		0.24	2.0	0.24	0.24	0.24
$Q = \exp(3D) / ORBS$	0.16	0.16	0.14	0.16	0.33	0.16	0.5								0.16	0.16	0.16	0.16	0.16
10	0	0	0	0	0	4.36	0.5								0	0	0	0	0
	-1.39	-1.39	-1.39	-1.39	-1.39	-1.39	-1.39	-1.39	-1.39			-1.39	-1.39	-1.39	-1.39	-1.39	-1.39	-1.39	-1.39
SizeSel_1F_1_1rawl SizeSel\ 1P\ 3\ Trawl	5.06	5.71	48.4	5.07	5.07	48.42 5.19	5.01							5.32	5.71	5.55	5.28	5.71	5.43
SizeSel_1P_4_Trawl	2.2	2.2	2.2	2.2	2.2	2.2	2.2			2.2				2.2	2.2	2.2	2.2	2.2	2.2
	تن ر	ω ;	50	ۍ	ъ.	50	ت د د	د د		25	ъ.		٠	5	5	ى 1	ت		ا ا
$SzSel/_IFem/_Peak/_Trawl$	-2.53	14.77	-2.09	-3.1	-3.1	-2.34	-2.12	-1.33	-4.16 -0.85	-3.02	-4	-3.24	-11.18	14.98 1.16	14.72	9.7	-3.18	14.49	2.78
	-6.85	0	-2.35	1.86	1.87	-2.18	-14.61	-4.21	-8.07		-0.82		-7.38	0	0.01	0.00	-1.7	0	0
SzSel/_IFem/_Final/_Trawl	-5.08	0	-11.72	-10	-9.98	-10.85	-12.02	-12.39			-9.96	-10.31			0	0	-13.48	0	-0.01
SizeSel = ZP = I - Live SizeSel = 2P = 2 - Live	38.15 -2.47	-2.51	40.42	38.15 -2.48	38.15 -2.48	38.11 -2.49	40.38 -2.45	38.13 -2.43		-2.48	37.08 -3.83	38.24 -2.43	-1.38	38.04 -2.51	37.99 -2.51	37.74 -2.41	38.95 -2.61	37.8 -2.43	37.51 -0.45
2P	3.38	3.36	3.75	3.38	3.38	3.38	3.75	3.38			3.29	3.4			3.36	3.31	3.5	3.32	3.38

SizeSel_2P_4_Live	3.6	3.65	3.3	3.61	3.61	3.63	3.31	3.59	-1.55	3.78	3.77	3.57	0.25	3.65	3.66	3.7	3.4	3.71	0.91
SizeSel_2P_6_Live	-3.25	-2.82	-2.34	-3.27	-3.26	-3.15	-2.42	-3.21	-4.98	-4.03	-2.59	-3.49	-4.99	-2.83	-2.79	-1.17	-4.98	-2.87	0.58
SizeSel_3P_1_Dead	41.09	40.96	41.55	41.08	41.08	41.03	41.53	41.13	42.03	47.34	39.43	41.15	50	40.95	40.94	40.71	41.97	40.78	40.21
SizeSel_3P_2_Dead	-3.72	-4.33	-2.42	-3.7	-3.71	-3.83	-2.48	-3.7	-4.02	-8.69	-9.73	-3.46	1.65	-4.29	-4.34	-9.31	-3.44	-3.97	-0.7
SizeSel_3P_3_Dead	3.89	3.87	3.85	3.88	3.88	3.88	3.85	3.89	4.01	5.37	3.52	3.89	6.41	3.86	3.87	3.82	3.97	3.87	3.98
SizeSel_3P_4_Dead	0.13	0.53	5.85	0.13	0.14	0.27	5.85	0.01	-1.44	1.38	1.95	-0.18	2.02	0.49	0.53	-1.96	-1.96	0.49	1.32
SizeSel_3P_6_Dead	0.26	0.33	3.53	0.26	0.26	0.27	3.56	0.34	0.32	-4.07	-0.93	0.29	3.93	0.35	0.34	0.81	-0.36	0.42	-3.19
SzSel_3Fem_Peak_Dead	-2.12	-2.09	-1.44	-2.1	-2.1	-2.08	-1.46	-2.16	-2.96	-3.92	-1.05	-2.09	-0.83	-2.05	-2.09	-1.93	-2.56	-1.98	-0.95
SzSel_3Fem_Ascend_Dead	-0.35	-0.34	-0.18	-0.35	-0.35	-0.34	-0.19	-0.36	-0.46	-0.51	-0.11	-0.35	3.02	-0.33	-0.34	-0.31	-0.43	-0.34	-0.25
SzSel_3Fem_Descend_Dead	3.44	3.16	-2.74	3.44	3.43	3.33	-2.71	3.56	4.96	92.0	1.92	3.68	0.25	3.19	3.16	5.41	5.35	3.21	-5.95
SzSel_3Fem_Final_Dead	-12.32	-13.04	-14.95	-12.52	-12.52	-12.79	-14.95	-12.65	-10.86	-10.98	-9.51	-12.65	4.83	-13.19	-13.12	-1.85	-11.02	-13.51	3.44
SizeSel_4P_1_RecO	38.39	38.28	39.9	38.4	38.39	38.36	39.89	38.4	38.67	38.02	40.27	38.47	35	38.32	38.27	38.27	39.7	38.13	37.77
SizeSel_4P_2_RecO	-4.24	-4.23	-3.83	-4.24	-4.24	-4.23	-3.84	-4.24	-4.23	-4.28	-1.66	-4.25	-1.02	-4.26	-4.23	-4.5	-4.09	-4.17	-4.12
SizeSel_4P_3_RecO	3.79	3.79	3.94	3.79	3.79	3.79	3.94	3.8	3.83	3.74	-1.8	3.8	-0.73	3.79	3.79	3.8	3.93	3.77	3.87
SizeSel_5P_1_RecS	29.45	29.41	29.8	29.45	29.45	29.44	29.79	29.44	29.4	29.47	29.24	39.65	15.01	29.42	29.4	29.46	29.34	29.32	28.65
SizeSel_5P_2_RecS	-8.77	-8.76	-8.61	-8.77	-8.77	-8.76	-8.62	-8.77	-8.84	-8.74	-8.86	-5.82	-4.38	-8.75	-8.75	-8.61	-8.94	-8.71	-8.88
SizeSel_5P_3_RecS	4.14	4.13	4.19	4.14	4.14	4.14	4.19	4.14	4.12	4.14	4.08	-2.8	9.03	4.13	4.13	4.15	4.14	4.12	4.11
SizeSel_5P_4_RecS	3.53	3.51	3.39	3.53	3.53	3.52	3.4	3.53	3.59	3.5	3.65	-1.46	-1.31	3.51	3.51	3.39	3.87	3.49	3.25
SizeSel_5P_6_RecS	-1.83	-1.84	-1.42	-1.83	-1.83	-1.83	-1.44	-1.83	-1.82	-1.89	-2.18	-4.98	5	-1.83	-1.84	-1.77	-1.95	-1.87	-1.83
AgeSel_4Fem_Peak_RecO	-3.89	-3.87	-1.34	-3.88	-3.89	-3.88	-1.65	-3.89	-3.85	-3.79	0.48	-3.88	5.48	-3.85	-3.86	-3.37	-2.54	-3.87	9.64
AgeSel_4Fem_Descend_RecO	3.26	3.34	3.44	3.27	3.27	3.29	3.45	3.27	3.1	3.27	3.22	3.24	1.27	3.33	3.35	3.53	-8.92	3.38	-1.8
AgeSel_4Fem_Final_RecO	-9.33	-9.27	-12.75	-9.3	-9.3	-9.28	-12.8	-9.33	-9.43	-9.18	-12.34	-9.36	-11.85	-9.33	-9.25	-9.53	-8.82	-9.12	-11.53
Derived quantitities																			
\$SB_0\$	1385	1319	802	1382	1382	1361	813	1381	1492	1396	1420	1404	2290	1316	1310	1061	2053	1299	800
\$SB_{2015}\$	836	795	198	834	834	821	206	833	920	842	851	853	1249	792	790	622	1341	782	441
$SB_{2015}SB_0$	%\09	%\09	25/%	%\09	%\09	%\09	25/%	%\09	62\%	%\09	%\09	61/%	25/%	%\09	%\09	29/%	65/%	%\09	55/%
Yield at \$SPR_{50%}\$	518	517	309	517	517	517	311	517	531	519	523	519	424	516	517	504	562	517	476

- $_{\tt 3}$ "Scorpion fish don't recruit well in cold water regime (which we've been in)"
- 4 "dsfa"
- 5 "dffsdfs"