

A list of data inputs to the south coast rock lobster assessment

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(1) Catch data

Commercial catch data are available for the 1973-2004¹ seasons.

(2) CPUE

CPUE data are available for the 1977-2003 seasons.

(3) Catch-at-length data

Scientific sample-based catch-at-length data for 1994-2003 are available. These are reported in 5mm size classes from 45mm to 125mm. The 1999 values are considered unreliable because of poor sampling levels that season. They are omitted from the assessment.

(3) Catch-at-age data

Catch-at-age data are produced by applying cohort slicing to the observed catch-at-length data. See RLWS/DEC05/DAT/6/2/3/1 for details.

(5) Tagging data

Tag-recapture data are available from 1987-2001. Table 1 provides a summary of these data. These data were incorporated in the ASPM assessment of the resource until 2002, when the Working Group decided to omit them from the assessment in the future. The reason was that there was little difference in the results whether the tagging data were included or not, and there was substantial increased modeling complexity and run-time required for taking account of the tagging data.

¹ 1973 refers to the 1973/74 season

Table 1: Summary of the tag-recapture data available for the south coast rock lobster fishery.

Tagged		Recaptured														
Yr	Num	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
1987	2497	0	18	54	28	15	47	5	2	3	5	10	1	1	1	0
1988	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	3295	0	0	24	276	83	25	15	13	15	3	3	1	1	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	943	0	0	0	0	1	103	5	6	7	8	12	4	2	1	3
1992	4205	0	0	0	0	0	10	9	52	21	27	33	14	6	3	0
1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	2985	0	0	0	0	0	0	0	2	53	103	167	37	28	3	7
1995	4646	0	0	0	0	0	0	0	0	90	142	62	4	5	31	9
1996	5145	0	0	0	0	0	0	0	0	0	59	52	18	2	33	16
1997	4934	0	0	0	0	0	0	0	0	0	0	95	200	111	27	1
1998	4285	0	0	0	0	0	0	0	0	0	0	0	0	88	65	7
1999	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	766	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
m_y^{tag}		4.8	0	3.4	0	8	5.3	0	3.7	4.9	5.5	4.5	2.5	0	0	6.8

Note: m_y^{tag} is the average month in which the lobsters were tagged in season y .