



# Victorian Fisheries Authority Commercial Fish Production

Information Bulletin

July 2018 to June 2019



## Notes to the reader

This 2018/19 Victorian Fisheries Authority Commercial Fish Production Information Bulletin is produced by the Victorian Fisheries Authority.

This edition has been compiled from catch and effort data supplied by Victorian commercial fishery access licence holders completing monthly fishing returns and from aquaculture production data supplied by Victorian aquaculture licence holders via 6-monthly aquaculture returns. Production value was estimated from price-at-first-sale data supplied by selected fish processors and selected fish aquaculture farms. The provision of accurate and timely data from licence holders and processors is greatly appreciated by the Victorian Fisheries Authority.

All data in this bulletin has been computer validated. It does not include data received or processed after 28 November. Wildcatch fishery production compliance rates for submission of return forms was 99% for 2018/19 whilst Aquaculture was 93%.

Data presented in this Bulletin has been provided in an aggregated form to protect commercial confidentiality of individual licence holders; summary data is not provided where less than five licence holders have supplied the data, unless prior permission was obtained.

To maintain consistency with other States and the Commonwealth, the names for fish used in this Bulletin are those in the List of Standardised Australian Fish Names developed as a National Standard based on the Codes for Australian Aquatic Biota (<http://www.marine.csiro.au/caab/namelist.htm>). Therefore, some fish names are different from those used in previous Bulletins and may be different from the names used on the catch and effort returns completed by fishers. Please refer to the list of names on pages 16 and 17 of the Bulletin to find any previously used species names.

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For further information or to obtain a copy of this Bulletin go to <https://vfa.vic.gov.au/commercial-fishing/commercial-fish-production> .

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## Victorian fisheries production summary

In order of weight for fiscal year 2018/19.

Species	2016/17		2017/18		2018/19	
	Weight <sup>1</sup>	Value <sup>2</sup>	Weight <sup>1</sup>	Value <sup>2</sup>	Weight <sup>1</sup>	Value <sup>2</sup>
<b>Molluscs and Echinoderms</b>						
Abalone	721	20,499	756	26,980	693	31,310
Octopus	45	nd <sup>3</sup>	41	408	89	908
Squids	33	nd	41	nd	63	nd
Scallop	id	nd	id	nd	id	nd
Other	169	na <sup>4</sup>	206	na	193	na
Sub-total	968	na	1,044	na	1,037	na
<b>Crustaceans</b>						
Rock Lobster, southern	262	20,792	287	23,277	290	26,047
Prawns	73	nd	137	nd	132	nd
Crab, giant	id <sup>5</sup>	nd	id	nd	id	nd
Other	108	na	90	na	73	na
Sub-total	443	na	514	na	495	na
<b>Teleosts and Chondrichthyans</b>						
Sardine, Australian (Pilchard)	2,344	1,711	1,217	841	1,288	1,985
Australian salmon	265	162	242	160	443	556
Whiting, King George	115	nd	54	nd	118	nd
Eels, freshwater	93	1,220	59	643	67	771
Garfish, southern (sea)	61	nd	54	nd	59	nd
Snapper	54	nd	64	nd	49	nd
Breams	47	nd	20	nd	35	nd
Chondrichthyans <sup>6</sup>	29	nd	33	nd	39	nd
Other	536	na	670	na	607	na
Sub-total	3,545	na	2,413	na	2,704	na
<b>Total</b>	<b>4,957</b>	<b>na</b>	<b>3,972</b>	<b>na</b>	<b>4,236</b>	<b>na</b>
<b>Aquaculture<sup>7</sup></b>						
<b>Inland</b>						
Shellfish <sup>8</sup>	1,598	22,032	1,871	30,406	1,706	26,575
Finfish <sup>9</sup>	1,545	24,807	1,488	26,440	1,611	31,630
Crustaceans <sup>10</sup>	4	153	4	192	3	160
Ornamental finfish <sup>11</sup>	no	1,279	no	1,149	no	1,108
<b>Total</b>	<b>3,147</b>	<b>48,271</b>	<b>3,362</b>	<b>58,187</b>	<b>3,319</b>	<b>59,473</b>

<sup>1</sup>Weight (live, tonnes); <sup>2</sup>Value (\$'000) from Jan 2011, Melbourne Fish Market price data collection ceased. Selected processors are still providing price data for some species including abalone & rock lobster; <sup>3</sup>nd, no data obtained; <sup>4</sup>na, not applicable; <sup>5</sup>id, insufficient data to report because there are less than five licence holders (policy requirement to protect commercial confidentiality of data); <sup>6</sup>Shark carcass weight (beheaded and eviscerated with fins attached) for Victorian Proclaimed waters only; <sup>7</sup>Aquaculture weight and value does not include hatchery production; <sup>8</sup>includes abalone and blue mussel; <sup>9</sup>includes salmonids, warmwater finfish and eels; <sup>10</sup>includes yabby; <sup>11</sup>no, number only of ornamental fish available (2,283,000 for 2016/17, 1,915,000 for 2017/18 and 1,847,000 for 2018/19).

# Fishery Production

## Introduction

Victoria's commercial fisheries began at the time of European settlement during the 1840s. These fisheries have been managed under various Fisheries Acts since 1859 and fishery catch data has been collected continuously since 1911. Catch and effort data for the period since June 1978 is stored in an electronic database where the data is secure and readily accessible for various uses.

This information bulletin is designed to meet the data needs of the fishing industry, fishery researchers, the Victorian Fisheries Authority, the Victorian Government, the Commonwealth Government, and the United Nations Food and Agricultural Organisation.

Under the *Fisheries Act 1995*, lodgement of catch and effort return forms is a condition of a fishery access licence. Individual returns are collected under Section 146 of the Act and are treated confidentially according to the *Fisheries Act 1995* and the *Information Privacy Act 2000*. The data is released in aggregated form only. To preserve confidentiality, data is not reported if less than five licence holders have contributed to it.

## Number of Fishery Access Licences (June 2019)

Abalone, Western Zone	14	<b>Bay &amp; Inlet Fisheries</b>	
Abalone, Central Zone	34	Corner Inlet	18
Abalone, Eastern Zone	23	Gippsland Lakes	10
Bait (General)	12	Gippsland Lakes (Bait)	9
Giant Crab	11	Gippsland Lakes (Mussel Dive)	2
Eel, Fishery A (Transferable)	18	Lake Tyers (Bait)	1
Ocean (General)	157	Mallacoota Lower Lake (Bait)	1
Purse Seine (Ocean)	1	Port Phillip–Western Port	9
Rock Lobster, Western Zone	71	Port Phillip Bay (Mussel Bait)	0
Rock Lobster, Eastern Zone	33	Scallop Dive (Port Phillip Bay)	1
Scallop (Ocean)	89	Snowy River Fishery (Bait)	2
Sea Urchin	9	Sydenham Inlet Fishery (Bait)	2
Trawl (Inshore)	54		
Wrasse (Ocean)	22	Total Bay & Inlet	55
Total	548	Total All Fisheries	603
Permits	45		

## Number of Licensed Pots (June 2019)

<b>Rock Lobster</b>			
Pots, Western Zone	5,162		
Pots, Eastern Zone	2,073	Total All Pots	7,235

## Victoria Statewide (Teleosts)

Commercial catch and value for each major species caught during 2014/15–2018/19 (fiscal years)

Excludes landings from Commonwealth waters by the South East Fishery and Southern Shark Fishery.

Value is estimated from various sources.

Selected species	Production (live weight, tonnes)					Value (\$'000)				
	2014/15	2015/16	2016/17	2017/18	2018/19	2014/15	2015/16	2016/17	2017/18	2018/19
<b>Teleosts</b>										
Anchovy, Australian	94	44	8	9	3	nd <sup>1</sup>	nd	nd	nd	nd
Australian herring	13	16	4	0	1	nd	nd	nd	nd	nd
Australian salmon	211	450	265	242	443	142	247	162	160	556
Barracouta	2	1	2	1	0	8	nd	nd	nd	nd
Bream, black	65	44	47	20	35	716	nd	nd	nd	nd
Bream, yellowfin	id <sup>2</sup>	id	id	id	id	id	nd	nd	nd	nd
Carp, European	56	101	102	103	67	nd	nd	nd	nd	nd
Eel, longfin	id	id	3	4	18	id	id	41	nd	177
Eel, southern shortfin	51	39	91	55	50	680	503	1,179	643	594
Flathead, dusky	9	16	19	9	5	nd	nd	nd	nd	nd
Flathead, rock	69	45	46	54	62	458	nd	nd	nd	nd
Flathead, southern bluespotted	27	20	21	31	31	107	nd	nd	nd	nd
Flathead, southern sand	7	6	4	2	1	30	nd	nd	nd	nd
Flathead, tiger	4	2	7	2	2	16	nd	nd	nd	nd
Flatheads, other	1	2	1	2	1	nd	nd	nd	nd	nd
Flounder, greenback	13	14	15	14	12	41	nd	nd	nd	nd
Garfish, river	id	id	id	0	id	id	nd	nd	nd	nd
Garfish, southern	34	28	61	54	59	252	nd	nd	nd	nd
Herring cale	id	id	id	0	id	nd	nd	nd	nd	nd
Leatherjackets	13	15	14	15	18	43	nd	nd	nd	nd
Luderick	5	2	3	3	3	21	nd	nd	nd	nd
Mackerel, jack	13	9	8	15	24	55	nd	nd	nd	nd
Morwong, banded	2	id	3	id	id	52	nd	nd	nd	nd
Morwong, dusky	1	1	0	0	0	3	nd	nd	nd	nd
Mullet, red	3	3	1	1	1	14	nd	nd	nd	nd
Mullet, sand	id	id	id	id	id	id	nd	nd	nd	nd
Mullet, sea	9	3	14	5	6	37	nd	nd	nd	nd
Mullet, yellow-eye	40	32	33	32	29	79	nd	nd	nd	nd
Mullet, other	1	1	0	1	1	4	nd	nd	nd	nd
Perch, estuary	1	0	5	1	1	nd	nd	nd	nd	nd
Pike, unspecified	60	32	12	11	12	271	nd	nd	nd	nd
Sardine, Australian (Pilchard)	863	1,524	2,344	1,217	1,288	1,537	960	1,711	841	1,985
Snapper	147	108	54	64	49	1,385	nd	nd	nd	nd
Sprat, sandy	id	id	id	id	id	id	nd	nd	nd	nd
Tailor	26	40	61	53	9	109	nd	nd	nd	nd
Trevally, silver	32	35	48	48	24	116	nd	nd	nd	nd
Warehou, blue	1	1	2	0	0	nd	nd	nd	nd	nd
Whiting, blue weed	4	5	5	6	13	17	nd	nd	nd	nd
Whiting, King George	115	213	115	54	118	2,522	nd	nd	nd	nd
Whiting, school	11	7	7	4	4	nd	nd	nd	nd	nd
Wrasse, blue throat	26	26	18	32	30	487	545	414	661	604
Wrasse, purple	1	1	1	3	1	16	21	23	54	25
Wrasses	2	3	5	3	2	33	61	120	56	43
Other teleosts	193	140	68	211	242	nd	nd	nd	nd	nd
Sub-total	2,225	3,027	3,516	2,380	2,665					

<sup>1</sup>nd, no data obtained; <sup>2</sup>id, insufficient data to report because there are less than five licence holders (policy requirement to protect commercial confidentiality of data), and the data have been included as 'other'.

## Victoria Statewide (Molluscs, Echinoderms, Crustaceans & Chondrichthyans)

Commercial catch and value for each major species caught during 2013/14–2017/18 (fiscal years)

Excludes landings from Commonwealth waters by the South East Fishery and Southern Shark Fishery.

Value is estimated from various sources.

Species										
	2014/15	2015/16	2016/17	2017/18	2018/19	2014/15	2015/16	2016/17	2017/18	2018/19
<b>Molluscs and Echinoderms</b>										
Abalone, Blacklip	736	725	716	751	689	20,117	19,829	20,412	26,797	31,101
Abalone, Greenlip	3	3	5	5	5	83	82	87	182	209
Calamari, Southern (squid)	57	44	32	39	61	734	nd <sup>1</sup>	nd	nd	nd
Cuttlefishes	0	0	id <sup>2</sup>	0	0	1	nd	nd	nd	nd
Mussel, Blue	id	0	0	0	0	nd	nd	nd	nd	nd
Octopuses	21	19	45	41	89	86	nd	nd	408	908
Periwinkles	id	id	id	id	5	nd	nd	nd	nd	nd
Scallop <sup>3</sup>	id	id	id	id	id	id	nd	nd	nd	nd
Black Sea Urchin	22	5	45	55	59	nd	nd	nd	nd	nd
White Sea Urchin	15	id	24	33	27	nd	nd	nd	nd	nd
Squid, Gould's	2	3	1	2	1	8	nd	nd	nd	nd
Other	86	110	100	118	106	nd	nd	nd	nd	nd
Sub-total	952	909	968	1,044	1,042					
<b>Crustaceans</b>										
Bug (shovelnose lobster)	10	8	8	10	6	41	nd	nd	nd	nd
Crab, Giant	id	9	id	id	id	nd	nd	nd	nd	nd
Crab, Sand	109	57	70	24	14	451	nd	nd	nd	nd
Crab, Velvet	id	2	1	2	2	nd	nd	nd	nd	nd
Crab (unspecified)	13	9	9	32	36	13	nd	nd	nd	nd
Prawn, Eastern King	85	56	33	67	97	nd	nd	nd	nd	nd
Prawn, School	72	114	40	70	35	nd	nd	nd	nd	nd
Rock Lobster, Southern	289	288	262	287	290	24,296	24,517	20,792	23,277	26,047
Yabby (freshwater)	2	2	2	1	1	77	nd	nd	nd	nd
Other Crustaceans	1	15	18	21	14	nd	nd	nd	nd	nd
Sub-total	592	560	443	514	495					
<b>Chondrichthyans<sup>4</sup></b>										
Elephantfish	3	1	1	1	1	11	nd	nd	nd	nd
Shark, Angel	1	2	id	1	1	nd	nd	nd	nd	nd
Shark, Gummy	18	16	15	17	17	195	nd	nd	nd	nd
Shark, Saw	0	0	0	0	0	nd	nd	nd	nd	nd
Shark, School	1	1	1	0	1	3	nd	nd	nd	nd
Shark, Broadnose	0	0	0	0	0	2	nd	nd	nd	nd
Skates and Rays <sup>5</sup>	17	15	12	12	16	12	nd	nd	nd	nd
Other Chondrichthyans	1	3	2	3	3	nd	nd	nd	nd	nd
Sub-total	42	38	30	33	39					
<b>Total</b>	<b>3,810</b>	<b>4,534</b>	<b>4,958</b>	<b>3,972</b>	<b>4,241</b>					

<sup>1</sup>nd, no data obtained; <sup>2</sup>id, insufficient data to report because there are less than five licence holders (policy requirement to protect commercial confidentiality of data), and the data have been included as 'other'; <sup>3</sup>Scallop live weights (shell weight) reported; <sup>4</sup>shark carcass weight (beheaded and gutted with fins attached) for Victorian Proclaimed Waters only; <sup>5</sup>weight of margins of pectoral fins

## Port Phillip Bay

### Commercial catch for each major species caught in Port Phillip Bay during 1978/79–2018/19

Excludes data for abalones, blue mussel, southern rock lobster, and commercial scallop

Year	Production (tonnes)														Total
	Anchovy, Australian (whitebait)	Australian salmon	Australian Sardine (Pilchard)	Calamari, southern (squid)	Flathead, rock	Flathead, southern bluespotted	Flathead, southern sand	Flounder, greenback	Garfish, Southern (Sea)	Mullet, yelloweye	Shark, gummy	Snapper	Whiting, King George	Other	
1978/79	142	54	221	5	10	12	22	7	87	46	16	189	39	514	1,364
1979/80	176	103	466	13	21	19	23	9	95	60	11	197	42	344	1,580
1980/81	131	66	496	21	15	16	19	4	106	45	19	207	51	212	1,410
1981/82	145	83	508	31	17	14	13	5	104	45	14	172	40	99	1,290
1982/83	198	111	522	42	15	13	14	5	73	41	9	143	43	87	1,317
1983/84	129	83	592	61	19	12	19	5	73	53	12	129	45	72	1,305
1984/85	69	74	457	56	14	14	21	17	76	67	10	113	33	81	1,102
1985/86	69	67	606	19	16	19	23	14	55	78	8	114	78	79	1,244
1986/87	141	48	1,067	19	11	17	22	11	54	86	7	108	64	137	1,792
1987/88	102	41	1,104	24	11	9	22	13	58	56	7	125	60	73	1,705
1988/89	33	19	1,443	21	6	10	16	17	47	41	6	174	81	109	2,023
1989/90	17	20	836	31	6	10	8	16	47	37	7	139	134	252	1,559
1990/91	46	72	1,363	47	3	11	10	7	59	33	6	146	67	193	2,062
1991/92	46	62	1,487	32	4	12	8	9	56	34	8	93	49	187	2,087
1992/93	89	109	2,058	23	6	15	6	12	52	35	7	63	59	150	2,684
1993/94	105	48	2,035	20	9	19	7	21	53	30	8	65	58	130	2,607
1994/95	86	22	1,451	18	10	11	10	12	38	35	4	47	48	89	1,882
1995/96	165	47	1,339	18	8	11	11	11	18	31	10	42	62	98	1,871
1996/97	491	36	596	26	8	13	13	18	13	29	15	34	90	85	1,468
1997/98	182	38	463	18	12	14	8	12	33	36	22	40	131	98	1,107
1998/99	118	22	38	25	10	6	6	7	29	31	18	59	101	169	640
1999/00	99	80	id <sup>1</sup>	37	15	7	5	7	33	19	12	36	126	314	790
2000/01	162	37	108	52	13	6	4	7	44	19	9	54	85	75	675
2001/02	138	32	145	61	21	15	6	8	31	23	14	55	53	151	753
2002/03	106	33	100	41	13	14	7	11	35	20	15	64	49	89	597
2003/04	61	32	216	46	13	8	4	5	27	12	10	82	57	56	629
2004/05	48	27	id	58	20	12	4	8	25	18	20	95	70	75	479
2005/06	34	18	id	42	19	10	4	8	16	12	13	75	74	84	409
2006/07	32	24	99	31	26	11	4	7	19	16	10	95	65	49	488
2007/08	86	21	186	30	34	9	5	5	24	15	10	94	104	45	668
2008/09	55	29	id	24	30	10	4	5	21	19	4	87	84	124	495
2009/10	44	32	230	35	31	14	2	4	18	18	3	83	86	82	681
2010/11	19	42	id	39	23	14	2	3	29	17	5	111	108	119	529
2011/12	id	36	209	30	22	14	3	6	41	16	5	163	101	134	779
2012/13	id	24	263	21	27	16	2	5	11	17	4	134	65	120	712
2013/14	id	27	208	24	36	16	1	3	4	15	5	140	41	95	612
2014/15	9	45	350	28	21	16	1	4	9	13	6	144	66	110	822
2015/16 <sup>2</sup>	id	20	242	23	13	7	1	3	5	7	5	103	71	113	613
2016/17	nd <sup>3</sup>	1	id	9	1	1	id	1	1	id	3	43	35	173	268
2017/18	nd	id	id	8	2	1	id	1	1	id	3	53	25	170	265
2018/19	id	1	id	5	1	0	id	id	0	id	3	40	21	163	234

<sup>1</sup>id, insufficient data to report because there are less than five licence holders (policy requirement to protect commercial confidentiality of data), and the data have been included as 'other'; <sup>2</sup>Reduction in licence numbers and introduction of catch limits from April 2016; <sup>3</sup>nd, no data obtained.



## Western Port

Commercial catch for each major species caught in Western Port during 1978/79–2018/19

Year	Production (tonnes)														Total
	Australian salmon	Australian Sardine (Pilchard)	Barracouta	Calamari, Southern (squid)	Elephantfish	Flathead, rock	Flounder, greenback	Garfish, Southern (Sea)	Mullet, yelloweye	Shark, gummy	Snapper	Whiting, Blue Weed	Whiting, King George	Other	
1978/79	22	0	2	3	0	39	1	28	36	6	4	7	17	49	215
1979/80	28	7	2	5	0	35	1	39	29	9	4	7	15	44	226
1980/81	37	0	1	11	0	35	1	20	25	6	6	5	19	38	204
1981/82	24	0	1	15	0	22	2	26	29	6	3	4	15	32	179
1982/83	19	1	1	12	0	23	2	13	26	4	3	2	10	26	142
1983/84	22	0	2	14	1	15	4	26	28	5	2	1	13	28	161
1984/85	14	0	1	8	2	12	7	26	31	7	3	0	8	39	158
1985/86	8	0	2	9	2	13	3	16	31	8	2	2	12	20	128
1986/87	16	3	2	13	3	10	4	19	24	8	3	1	15	21	142
1987/88	6	0	4	7	2	12	4	18	19	9	3	2	16	29	131
1988/89	7	1	3	8	2	13	3	27	20	14	2	2	17	23	142
1989/90	10	0	3	10	3	17	3	27	33	16	1	3	22	23	171
1990/91	12	0	4	7	3	20	5	24	33	14	1	4	24	22	174
1991/92	5	0	1	6	3	17	6	28	20	15	1	3	11	22	140
1992/93	9	0	1	7	4	11	4	17	18	7	1	3	9	13	107
1993/94	12	0	2	7	8	14	5	25	17	9	2	2	9	19	132
1994/95	7	8	2	5	10	14	5	26	16	9	1	2	7	16	129
1995/96	6	0	1	7	11	15	3	36	14	10	0	1	9	21	134
1996/97	4	0	0	5	12	17	1	14	13	8	0	1	13	20	108
1997/98	3	0	1	6	10	19	1	11	12	11	0	1	16	22	113
1998/99	3	0	0	6	11	17	1	6	9	9	1	1	17	17	98
1999/00	4	0	0	6	3	9	0	4	5	4	1	0	12	13	62
2000/01	3	0	0	4	2	9	0	2	5	4	0	0	7	8	44
2001/02	2	0	0	7	2	9	1	4	3	3	0	0	7	14	52
2002/03	2	0	0	5	2	10	0	2	3	3	0	1	5	7	40
2003/04	1	0	0	3	1	7	0	1	3	3	0	0	4	3	26
2004/05	4	0	0	7	3	11	0	5	3	5	1	1	10	9	59
2005/06	1	nd <sup>1</sup>	0	7	3	11	0	5	2	6	0	id <sup>2</sup>	11	8	56
2006/07	4	nd	id	9	4	7	0	12	3	9	1	id	14	8	73
2007/08	id	nd	id	5	id	2	id	3	1	4	id	id	5	5	28
2008/09	nd	nd	nd	nd	id	nd	nd	nd	nd	id	id	nd	id	id	3
2009/10	nd	nd	nd	id	nd	nd	nd	nd	nd	id	id	nd	id	id	0
2010/11	nd	nd	nd	id	id	nd	nd	nd	nd	id	nd	nd	id	nd	0
2011/12	nd	nd	nd	id	id	id	nd	nd	nd	id	id	nd	id	id	1
2012/13	nd	nd	nd	id	id	id	nd	nd	nd	id	id	nd	id	id	0
2013/14	nd	nd	nd	id	id	nd	nd	nd	nd	id	id	nd	id	id	0
2014/15	nd	nd	nd	id	nd	nd	nd	nd	nd	id	id	nd	id	id	0
2015/16	nd	nd	nd	id	id	id	nd	nd	nd	nd	nd	nd	id	id	0
2016/17	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
2017/18	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
2018/19	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd

<sup>1</sup>nd, no data obtained; <sup>2</sup>id, insufficient data to report because there are less than five licence holders

(policy requirement to protect commercial confidentiality of data), and the data have been included as 'other'.

## Corner Inlet

Commercial catch for each major species caught in Corner Inlet during 1978/79–2018/19

Year	Production (tonnes)														Total
	Australian salmon	Calamari, Southern (squid)	Flathead, rock	Flathead, southern sand	Flounder, greenback	Garfish, Southern (Sea)	Leatherjacket	Mullet, yelloweye	Shark, gummy	Pike, unspecified	Trevally, silver	Whiting, blue weed	Whiting, King George	Other	
1978/79	17	0	10	7	30	24	0	14	10	3	2	0	34	25	176
1979/80	78	0	5	8	59	25	0	18	12	1	2	0	13	9	230
1980/81	118	1	6	12	25	31	0	21	15	1	5	0	48	24	307
1981/82	59	1	7	11	15	53	0	38	6	1	9	0	42	8	250
1982/83	98	2	9	12	25	35	1	25	5	1	11	0	35	7	266
1983/84	10	2	9	10	32	25	0	15	4	0	3	0	33	5	148
1984/85	59	1	10	12	35	39	0	18	4	0	5	0	13	5	201
1985/86	3	5	22	13	17	39	1	23	3	2	7	1	61	6	203
1986/87	3	11	11	11	6	39	0	23	2	3	8	1	102	7	227
1987/88	12	9	16	8	14	48	1	23	3	1	3	1	100	115	354
1988/89	0	11	18	12	16	44	1	20	5	2	20	4	91	50	294
1989/90	10	4	23	12	12	49	1	20	6	4	28	12	113	24	318
1990/91	8	13	31	16	7	74	7	27	8	4	20	13	58	29	315
1991/92	2	11	43	15	6	63	5	19	8	5	32	21	121	29	380
1992/93	4	13	62	13	9	41	6	19	7	6	24	13	81	31	329
1993/94	2	9	92	15	20	31	3	14	5	6	27	3	49	28	304
1994/95	4	7	61	10	14	50	4	18	4	2	12	2	37	43	268
1995/96	11	8	32	8	8	28	5	22	7	3	19	1	52	20	224
1996/97	18	6	23	11	19	18	6	23	8	7	11	3	118	23	294
1997/98	32	7	31	16	28	40	3	20	9	4	13	2	99	29	333
1998/99	15	18	26	7	16	50	4	21	10	6	31	3	93	25	325
1999/00	6	24	36	7	9	75	8	24	7	9	31	6	73	30	345
2000/01	8	37	41	6	7	73	12	16	11	6	20	6	36	34	313
2001/02	26	26	46	7	8	79	12	14	6	5	58	2	35	37	361
2002/03	6	17	41	6	6	43	11	14	8	6	26	1	51	26	262
2003/04	5	29	41	4	10	53	7	10	8	7	22	2	73	29	300
2004/05	11	30	51	6	16	70	6	13	10	7	25	2	58	32	337
2005/06	8	25	57	3	16	50	7	9	13	6	21	2	44	31	292
2006/07	13	19	42	id <sup>1</sup>	11	48	4	8	10	3	28	2	80	29	297
2007/08	16	26	37	5	11	44	3	12	10	5	45	2	94	35	345
2008/09	15	30	51	6	9	41	4	17	11	12	54	2	50	53	355
2009/10	12	29	97	6	6	42	6	26	9	6	28	3	39	47	356
2010/11	16	32	77	id	13	40	5	8	15	6	18	2	54	51	337
2011/12	26	10	93	id	15	22	4	13	11	4	19	2	71	53	343
2012/13	15	14	80	id	13	38	2	20	9	7	13	1	37	52	309
2013/14	22	10	44	5	10	43	2	18	10	5	17	1	41	38	266
2014/15	11	28	48	4	9	25	4	14	9	6	16	3	44	42	263
2015/16	8	21	33	id	10	23	5	11	7	6	15	3	131	45	318
2016/17	9	22	45	id	14	60	6	15	9	10	25	5	78	50	346
2017/18	16	30	52	id	13	53	4	17	11	6	22	6	27	65	321
2018/19	16	54	61	nd <sup>2</sup>	11	59	11	19	11	11	17	13	94	69	446

<sup>1</sup>id, insufficient data to report because there are less than five licence holders (policy requirement to protect commercial confidentiality of data), and the data have been included as 'other'; <sup>2</sup>nd, no data obtained.

## Gippsland Lakes and Lake Tyers

Commercial catch for each major species caught in Gippsland Lakes and Lake Tyers during 1978/79–2018/19

Year	Production (tonnes)															Total
	Anchovy, Australian (whitebait)	Australian salmon	Bream, black	Carp, European	Flathead, dusky	Garfish, river	Leatherjacket	Luderrick	Mullet, sea	Mullet, yelloweye	Mussel, blue	Perch, estuary	Tailor	Trevally, silver	Other	
1978/79	21	4	183	189	6	0	0	13	12	126	0	0	37	10	45	646
1979/80	0	4	194	233	12	1	1	13	37	91	0	2	55	13	38	694
1980/81	53	3	231	175	24	7	4	21	3	81	0	1	51	14	57	725
1981/82	5	3	255	367	26	51	8	28	7	106	0	1	45	17	32	951
1982/83	9	2	278	189	30	21	6	31	8	77	0	0	19	18	30	718
1983/84	27	18	446	105	26	31	0	14	2	97	0	1	13	19	45	844
1984/85	84	8	235	60	35	17	0	13	3	80	1	0	19	11	17	583
1985/86	14	16	274	176	65	6	0	21	7	92	1	0	24	30	48	774
1986/87	40	14	197	262	28	1	1	21	28	79	3	0	20	19	34	747
1987/88	0	12	277	373	25	2	8	39	13	97	2	1	22	10	37	918
1988/89	28	10	206	356	8	3	1	39	12	157	55	1	58	44	63	1,041
1989/90	18	16	213	401	11	17	1	49	15	114	78	7	53	63	130	1,186
1990/91	0	5	167	400	7	12	1	28	14	113	66	4	29	36	54	936
1991/92	0	25	118	367	9	6	0	31	14	90	169	1	35	39	59	963
1992/93	0	1	178	379	13	0	0	37	19	94	100	0	27	13	38	899
1993/94	1	13	170	352	5	1	0	23	28	95	24	3	10	22	39	786
1994/95	10	21	130	334	4	1	1	13	10	62	29	1	13	10	39	678
1995/96	12	11	130	376	6	0	0	15	11	87	18	2	8	9	36	721
1996/97	11	15	89	478	2	0	1	10	11	82	9	0	9	11	37	765
1997/98	8	17	147	575	1	1	2	14	5	26	1	1	9	12	75	894
1998/99	11	13	183	658	1	2	1	21	11	75	0	4	27	24	35	1,066
1999/00	0	19	184	435	2	3	2	13	8	41	1	1	35	22	60	826
2000/01	0	8	159	234	7	2	4	11	18	31	0	2	53	29	68	626
2001/02	4	13	154	38	14	1	2	24	34	44	0	2	49	20	47	446
2002/03 <sup>1</sup>	7	5	28	2	15	1	2	15	4	58	0	0	71	13	90	311
2003/04	6	22	33	73	12	0	4	20	11	49	0	1	58	16	41	346
2004/05	6	30	31	214	13	8	2	16	6	36	3	1	39	31	33	469
2005/06	id <sup>2</sup>	13	37	93	48	id	1	21	5	22	id	1	14	14	67	336
2006/07	id	10	49	4	35	id	2	24	7	14	id	0	12	13	81	251
2007/08	0	2	144	49	30	id	id	43	9	24	id	2	13	7	18	341
2008/09	id	4	36	id	20	id	id	12	3	18	0	0	36	8	32	169
2009/10	id	6	37	id	16	id	1	8	3	11	id	0	15	10	94	199
2010/11	0	4	60	15	23	id	1	11	5	17	id	0	39	12	58	245
2011/12	0	2	96	11	21	24	id	12	8	23	id	2	23	6	21	249
2012/13	id	1	83	6	9	id	id	7	6	15	id	1	32	3	33	196
2013/14	id	4	40	5	8	id	id	6	5	15	id	0	26	3	119	231
2014/15	id	1	55	8	9	id	1	5	9	13	id	1	15	5	89	210
2015/16	id	0	33	82	16	id	3	2	3	14	id	0	22	4	32	211
2016/17	id	5	42	97	19	id	2	3	14	18	id	5	56	13	18	291
2017/18	6	2	13	103	9	id	2	3	5	15	id	0	31	16	84	289
2018/19	3	1	27	id	5	id	1	3	6	10	id	0	7	4	142	209

<sup>1</sup>Lake Tyers fishery was closed in April 2003.

<sup>2</sup>id, insufficient data to report because there are less than five licence holders (policy requirement to protect commercial confidentiality of data), and the data have been included as 'other'.

## Offshore

### Commercial catch for each major species caught offshore during 1978/79–2018/19

Excludes landings from Commonwealth waters by the South East Fishery and Southern Shark Fishery.

Year	Production (tonnes)															Total
	Australian salmon	Bug (Shovelnose lobster)	Barracouta	Crab, sand	Morwong, banded	Octopuses	Prawn, eastern king	Shark, gummy	Snapper	Trevally, silver	Whiting, King George	Wrasse, blue throat	Wrasse, purple	Wrasses	Other	
1978/79	135	0	11	0	0	0	0	12	10	2	1	0	0	0	979	1,150
1979/80	42	0	4	1	0	1	0	2	4	1	0	0	0	0	859	914
1980/81	7	0	3	0	0	0	0	1	1	0	0	0	0	0	83	95
1981/82	25	0	8	0	0	0	0	7	2	0	2	0	0	3	34	81
1982/83	30	0	4	0	0	0	0	3	2	3	2	0	0	0	74	118
1983/84	191	0	22	0	0	0	0	2	4	27	3	1	0	2	5,341	5,593
1984/85	153	0	34	0	0	0	0	2	7	4	1	0	0	1	2,047	2,249
1985/86	175	0	8	0	0	0	0	2	11	4	1	0	0	0	135	336
1986/87	270	0	48	0	0	0	0	1	5	3	1	0	0	1	224	553
1987/88	165	0	77	0	0	1	0	14	6	3	2	0	0	2	459	729
1988/89	146	0	57	0	0	0	0	2	6	3	3	0	0	2	1,019	1,238
1989/90	25	0	9	0	0	0	0	4	11	5	4	1	0	6	1,409	1,474
1990/91	126	0	15	0	0	1	0	5	12	6	5	1	0	4	1,531	1,706
1991/92	279	0	25	0	0	1	0	4	15	5	5	3	0	11	1,756	2,104
1992/93	194	1	5	0	0	3	0	2	15	5	4	3	0	22	2,143	2,397
1993/94	70	0	4	0	0	0	0	2	12	3	3	4	0	22	2,069	2,189
1994/95	267	0	4	0	2	0	0	3	8	7	5	6	0	48	2,871	3,221
1995/96	255	0	8	0	0	0	0	2	6	6	3	4	0	62	1,632	1,978
1996/97	211	0	15	1	0	3	0	5	10	9	4	7	1	46	675	987
1997/98	640	6	24	0	4	3	3	7	18	5	5	16	6	55	563	1,355
1998/99	626	14	25	47	12	6	38	25	31	17	12	18	13	58	394	1,336
1999/00	685	11	34	92	12	29	74	20	22	19	9	14	10	35	210	1,276
2000/01	397	14	19	87	10	19	142	6	26	22	7	13	5	28	730	1,525
2001/02	478	40	39	38	10	13	108	9	18	14	4	14	5	33	866	1,689
2002/03	276	25	24	9	9	7	33	5	10	16	5	15	7	28	1,285	1,754
2003/04	326	15	26	21	11	18	45	3	8	11	4	10	8	24	946	1,476
2004/05	459	13	12	6	6	5	5	4	10	16	2	13	2	24	732	1,309
2005/06	604	13	13	id <sup>1</sup>	id	3	12	3	11	5	2	12	4	20	887	1,592
2006/07	856	5	5	id	id	1	18	4	9	3	4	10	4	21	938	1,882
2007/08	395	4	7	8	id	3	15	4	14	7	8	13	4	20	1,633	2,139
2008/09	358	13	4	4	id	5	21	3	6	6	5	9	4	21	1,565	2,027
2009/10	590	13	3	1	id	4	67	3	4	1	3	9	1	13	1,366	2,081
2010/11	352	16	1	id	id	6	47	3	6	3	2	7	2	17	2,710	3,173
2011/12	709	12	1	7	2	7	9	4	38	3	3	7	1	20	1,924	2,747
2012/13	323	16	1	3	id	7	24	3	16	1	2	7	1	18	1,402	1,824
2013/14	329	16	1	32	id	5	56	3	2	1	3	12	1	9	1,397	1,868
2014/15	154	9	1	104	id	6	52	3	3	4	4	26	1	id	833	1,200
2015/16	421	8	1	50	id	4	32	3	4	9	8	25	1	id	1,570	2,136
2016/17	250	8	1	69	id	31	33	3	6	10	2	18	1	0	2,346	2,778
2017/18	223	10	1	16	id	33	49	2	5	7	1	32	3	0	1,409	1,789
2018/19	425	6	0	9	id	80	69	3	4	2	0	30	1	0	1,477	2,110

<sup>1</sup>id, insufficient data to report because there are less than five licence holders (policy requirement to protect commercial confidentiality of data), and the data have been included as 'other'.

**Southern Rock Lobster (Western Zone)**

Catch, effort and value by quota year (April–March) during 1982/83–2009/10 (July–June) during 2009/10–2018/19.

Western Zone - South Australian border to Longitude 143° 40' E (just east of Apollo Bay).

Total Allowable Catch (TACC) quota management was introduced 16 November 2001.

Season Totals	Quota Year	Pot-lifts ('000)	Weight (tonnes)	Number ('000)	Target pot-lifts ('000)	Target weight (tonnes)	Target catch rate (kg/pot-lift)	Mean weight (kg)	Value (\$'000)	TACC
1982/83	1 Apr-31 Mar	571	447	443	550	436	0.79	1.01	3,437	
1983/84	1 Apr-31 Mar	590	441	430	565	426	0.75	1.02	3,554	
1984/85	1 Apr-31 Mar	523	390	379	507	382	0.75	1.03	3,797	
1985/86	1 Apr-31 Mar	540	339	341	516	328	0.64	0.99	4,408	
1986/87	1 Apr-31 Mar	562	329	331	522	315	0.60	0.99	5,095	
1987/88	1 Apr-31 Mar	569	348	348	539	334	0.62	1.00	6,450	
1988/89	1 Apr-31 Mar	517	281	286	504	276	0.55	0.98	4,787	
1989/90	1 Apr-31 Mar	596	321	348	564	306	0.54	0.92	6,364	
1990/91	1 Apr-31 Mar	589	297	313	548	277	0.50	0.95	6,005	
1991/92	1 Apr-31 Mar	690	390	422	646	366	0.57	0.92	7,595	
1992/93	1 Apr-31 Mar	726	401	427	650	362	0.56	0.94	8,400	
1993/94	1 Apr-31 Mar	770	454	469	700	430	0.61	0.97	12,827	
1994/95	1 Apr-31 Mar	759	437	444	720	421	0.58	0.98	12,991	
1995/96	1 Apr-31 Mar	771	429	448	744	420	0.56	0.96	12,883	
1996/97	1 Apr-31 Mar	761	394	407	721	380	0.53	0.97	12,180	
1997/98	1 Apr-31 Mar	821	452	472	760	426	0.56	0.96	14,531	
1998/99	1 Apr-31 Mar	836	492	534	748	428	0.57	0.92	14,964	
1999/00	1 Apr-31 Mar	861	515	581	767	446	0.58	0.89	16,125	
2000/01	1 Apr-31 Mar	918	554	632	817	478	0.59	0.88	19,525	
2001/02	1 Apr-31 Mar	769	446	514	726	401	0.55	0.87	19,195	320
2002/03	1 Apr-31 Mar	677	438	505	656	404	0.62	0.87	17,015	450
2003/04	1 Apr-31 Mar	615	435	502	599	428	0.71	0.87	12,159	450
2004/05	1 Apr-31 Mar	638	419	465	608	403	0.66	0.90	12,374	450
2005/06	1 Apr-31 Mar	738	405	451	710	395	0.56	0.90	13,927	450
2006/07	1 Apr-31 Mar	687	325	375	662	317	0.48	0.87	12,820	450
2007/08	1 Apr-31 Mar	685	319	373	647	307	0.47	0.86	12,526	380
2008/09	1 Apr-31 Mar	587	241	275	555	234	0.42	0.88	11,822	320
2009/10	1 July- 30 June	611	230	265	582	223	0.38	0.87	12,154	240
2010/11	1 July- 30 June	546	235	284	524	231	0.44	0.83	11,871	240
2011/12	1 July- 30 June	489	236	286	474	232	0.49	0.83	13,966	240
2012/13	1 July- 30 June	476	259	298	464	256	0.55	0.87	14,295	260
2013/14	1 July- 30 June	468	261	295	457	258	0.56	0.88	18,114	260
2014/15	1 July- 30 June	427	230	250	416	228	0.55	0.92	19,234	230
2015/16	1 July- 30 June	371	230	241	358	227	0.64	0.95	19,434	230
2016/17	1 July- 30 June	328	209	206	328	209	0.64	1.04	16,517	230
2017/18	1 July- 30 June	296	230	226	295	230	0.78	1.02	18,605	230
2018/19	1 July- 30 June	292	245	241	290	244	0.84	1.03	22,003	245

**Southern Rock Lobster (Western Zone)**

Catch, effort and value by month during quota year (July–June) 2018/19.

Year	Month	Pot-lifts ('000)	Weight (tonnes)	Number ('000)	Target pot-lifts ('000)	Target weight (tonnes)	Target catch rate (kg/pot-lift)	Mean weight (kg)	Value (\$'000)
2018	July	20	10	8	20	10	0.49	1.16	914
2018	August	45	27	23	45	27	0.59	1.15	2,648
2018	September	19	11	9	19	11	0.57	1.12	1,269
2018	November	29	28	30	28	28	0.96	0.88	2,363
2018	December	48	54	54	47	54	1.13	0.95	4,445
2019	January	54	56	56	54	56	1.02	1.00	5,069
2019	February	37	35	35	36	35	0.97	0.97	3,177
2019	March	15	13	12	15	13	0.82	0.98	1,121
2019	April	7	4	3	7	4	0.54	1.00	336
2019	May	7	4	3	6	4	0.55	1.00	348
2019	June	7	3	2	7	3	0.41	1.27	313

Target pot-lifts is determined by allocating all effort to the species with catch greater than 70% of total catch prior to April 1998, but from April 1998 target species is specified in the logbooks.

**Giant Crab (Western Zone)**

Catch, effort and value by quota year (April–March) during 1982/83–2018/19

Western Zone - the South Australian border to Longitude 143° 40' E (just east of Apollo Bay).

Total Allowable Catch (TACC) quota management was introduced 16 November 2001.

Season Totals	Quota Year	Weight (tonnes)	Number ('000)	Target pot-lifts ('000)	Target weight (tonnes)	Target catch rate (kg/pot-lift)	Mean weight (kg)	Value (\$'000)	TACC
1982/83	1 Apr-31 Mar	0	0	0	0	0	0.00	3	
1983/84	1 Apr-31 Mar	0	0	0	0	0.75	0.00	3	
1984/85	1 Apr-31 Mar	3	0	0	0	0.02	0.00	15	
1985/86	1 Apr-31 Mar	2	0	0	0	0.19	0.00	8	
1986/87	1 Apr-31 Mar	4	0	1	0	0.38	0.00	47	
1987/88	1 Apr-31 Mar	6	0	0	0	0.17	0.00	31	
1988/89	1 Apr-31 Mar	4	0	0	0	0.22	0.00	18	
1989/90	1 Apr-31 Mar	5	0	3	1	0.31	0.00	19	
1990/91	1 Apr-31 Mar	14	0	6	6	1.03	0.00	64	
1991/92	1 Apr-31 Mar	46	0	10	30	2.93	0.00	202	
1992/93	1 Apr-31 Mar	146	0	30	123	4.14	0.00	680	
1993/94	1 Apr-31 Mar	171	0	35	159	4.55	0.00	1,254	
1994/95	1 Apr-31 Mar	67	0	17	53	3.15	0.00	912	
1995/96	1 Apr-31 Mar	30	0	12	20	1.68	0.00	394	
1996/97	1 Apr-31 Mar	58	0	19	41	2.2	0.00	1,505	
1997/98	1 Apr-31 Mar	58	0	25	35	1.41	0.00	1,613	
1998/99	1 Apr-31 Mar	51	10	17	22	1.28	0.00	1,591	
1999/00	1 Apr-31 Mar	35	10	14	20	1.44	3.37	1,277	
2000/01	1 Apr-31 Mar	25	7	7	11	1.59	3.31	784	
2001/02	1 Apr-31 Mar	9	3	5	7	1.38	3.19	311	18
2002/03	1 Apr-31 Mar	9	3	7	7	0.98	3.21	288	25
2003/04	1 Apr-31 Mar	12	4	6	11	1.93	2.83	270	25
2004/05	1 Apr-31 Mar	27	9	11	20	1.73	2.88	705	25
2005/06	1 Apr-31 Mar	21	8	13	19	1.52	2.62	705	25
2006/07	1 Apr-31 Mar	22	7	10	20	2.07	3.05	725	25
2007/08	1 Apr-31 Mar	23	8	15	21	1.36	2.88	586	25
2008/09	1 Apr-31 Mar	20	6	11	17	1.53	3.28	705	25
2009/10	1 July-30 June	18	5	10	16	1.59	3.34	719	25
2010/11	1 July-30 June	12	4	9	11	1.23	3.13	357	18
2011/12	1 July-30 June	13	4	7	11	1.7	3.56	nd <sup>1</sup>	18
2012/13	1 July-30 June	10	3	4	9	2.11	3.41	nd	12
2013/14	1 July-30 June	7	2	3	6	1.9	3.01	159	9
2014/15	1 July-30 June	id <sup>2</sup>	id	id	id	id	id	id	10.5
2015/16	1 July-30 June	9	3	7	9	1.19	3.25	280	10.5
2016/17	1 July-30 June	id	id	id	id	id	id	id	10.5
2017/18	1 July-30 June	id	id	id	id	id	id	id	10.5
2018/19	1 July-30 June	id	id	id	id	id	id	id	10.5

**Giant Crab (Western Zone)**

Catch, effort and value by month during quota year (July–June) 2018/19

Year	Month	Weight (tonnes)	Number ('000)	Target pot-lifts ('000)	Target weight (tonnes)	Target catch rate (kg/pot-lift)	Mean weight (kg)	Value (\$'000)
2018	July	id	id	id	id	id	id	id
2018	August	id	id	id	id	id	id	id
2018	September	id	id	id	id	id	id	id
2018	November	id	id	id	id	id	id	id
2018	December	id	id	id	id	id	id	id
2019	January	id	id	id	id	id	id	id
2019	February	id	id	id	id	id	id	id
2019	March	id	id	id	id	id	id	id
2019	April	id	id	id	id	id	id	id
2019	May	id	id	id	id	id	id	id
2019	June	id	id	id	id	id	id	id

Target species is specified in the logbooks.

<sup>1</sup>nd, no data obtained; <sup>2</sup>id, insufficient data to report because there are less than five licence holders (policy requirement to protect commercial confidentiality of data).

**Southern Rock Lobster (Eastern Zone)**

Catch, effort and value by quota year (April–March) during 1982/83–2009/10, (July–June) during 2009/10–2018/19.

Eastern Zone - Longitude 143° 40' E (just east of Apollo Bay) to the New South Wales border.

Total Allowable Catch (TACC) quota management was introduced 16 November 2001.

Season	Quota	Pot-lifts	Weight	Number	Catch	Mean	Value	TACC
Totals	Year	('000)	(tonnes)	('000)	rate	weight	(\$'000)	
					(kg/pot-lift)	(kg)		
1982/83	1 Apr-31 Mar	199	140	129	0.71	1.08	1,083	
1983/84	1 Apr-31 Mar	231	149	138	0.63	1.08	1,230	
1984/85	1 Apr-31 Mar	223	136	116	0.61	1.17	1,337	
1985/86	1 Apr-31 Mar	191	111	94	0.57	1.18	1,470	
1986/87	1 Apr-31 Mar	159	96	82	0.56	1.17	1,510	
1987/88	1 Apr-31 Mar	147	89	80	0.58	1.10	1,668	
1988/89	1 Apr-31 Mar	159	79	79	0.52	1.00	1,347	
1989/90	1 Apr-31 Mar	191	93	95	0.47	0.98	1,824	
1990/91	1 Apr-31 Mar	179	75	75	0.42	0.99	1,604	
1991/92	1 Apr-31 Mar	166	65	66	0.40	0.98	1,356	
1992/93	1 Apr-31 Mar	190	65	62	0.35	1.04	1,379	
1993/94	1 Apr-31 Mar	257	83	72	0.33	1.16	2,437	
1994/95	1 Apr-31 Mar	248	70	57	0.29	1.22	2,160	
1995/96	1 Apr-31 Mar	227	62	51	0.28	1.20	1,955	
1996/97	1 Apr-31 Mar	212	56	45	0.27	1.24	1,774	
1997/98	1 Apr-31 Mar	221	67	54	0.31	1.24	2,259	
1998/99	1 Apr-31 Mar	212	63	53	0.29	1.19	1,972	
1999/00	1 Apr-31 Mar	233	75	71	0.31	1.06	2,406	
2000/01	1 Apr-31 Mar	229	73	68	0.31	1.07	2,586	
2001/02	1 Apr-31 Mar	173	59	55	0.30	1.08	2,595	42
2002/03	1 Apr-31 Mar	139	50	45	0.30	1.09	1,974	60
2003/04	1 Apr-31 Mar	127	54	50	0.41	1.07	1,574	60
2004/05	1 Apr-31 Mar	130	54	49	0.41	1.10	1,662	60
2005/06	1 Apr-31 Mar	136	55	47	0.41	1.17	1,921	60
2006/07	1 Apr-31 Mar	118	51	46	0.43	1.11	2,061	60
2007/08	1 Apr-31 Mar	136	50	42	0.37	1.17	1,962	66
2008/09	1 Apr-31 Mar	105	41	33	0.39	1.24	2,075	66
2009/10	1 July- 30 June	127	44	36	0.34	1.22	2,300	66
2010/11	1 July- 30 June	143	65	63	0.45	1.03	3,523	66
2011/12	1 July- 30 June	128	65	60	0.51	1.08	3,908	66
2012/13	1 July- 30 June	85	48	42	0.56	1.13	2,705	48
2013/14	1 July- 30 June	95	51	44	0.54	1.16	3,596	51
2014/15	1 July- 30 June	106	59	49	0.56	1.22	5,062	59
2015/16	1 July- 30 June	109	58	45	0.54	1.31	5,148	59
2016/17	1 July- 30 June	118	53	37	0.46	1.36	4,275	59
2017/18	1 July- 30 June	134	57	39	0.43	1.44	4,672	59
2018/19	1 July- 30 June	109	45	30	0.42	1.52	4,044	47

**Southern Rock Lobster (Eastern Zone)**

Catch, effort and value by month during quota year (July–June) 2018/19

Year	Month	Pot-lifts	Weight	Number	Catch	Mean	Value
		('000)	(tonnes)	('000)	rate	weight	(\$'000)
					(kg/pot-lift)	(kg)	
2018	July	10	4	1	0.39	1.94	377
2018	August	13	5	2	0.36	1.77	492
2018	September	5	2	0	0.29	1.67	179
2018	November	6	3	2	0.46	1.13	264
2018	December	19	11	8	0.56	1.28	923
2019	January	14	7	4	0.47	1.39	638
2019	February	13	6	3	0.48	1.40	549
2019	March	6	2	1	0.31	1.34	178
2019	April	5	2	1	0.34	1.37	160
2019	May	4	1	0	0.29	1.62	122
2019	June	7	2	0	0.24	1.99	161

Target pot-lifts is determined by allocating all effort to the species with catch greater than 70% of total catch prior to April 1998, but from April 1998 target species is specified in the logbooks.

## Blacklip Abalone

### Catch and effort by quota year (April–March) and zone during 1995/96–2018/19

Total Allowable Commercial Catch (TACC) quota management was introduced for the commercial fishery on 1 April 1988. Western Zone-all Victorian waters west of longitude 148° E (Hopkins River mouth). Central Zone-all Victorian waters between longitude 142° 31' E and 148° E. Eastern Zone-all Victorian waters east of longitude 148° E (Lakes Entrance).

Quota year	Western Zone	Central Zone	Eastern Zone	TOTAL
	Abalone tonnes	Abalone tonnes	Abalone tonnes	Abalone tonnes
1995/96	280	695	460	1,435
1996/97	278	695	459	1,433
1997/98	265	697	460	1,421
1998/99	279	696	460	1,436
1999/00	279	695	460	1,434
2000/01	280	695	459	1,433
2001/02	280	695	460	1,434
2002/03	264	663	456	1,383
2003/04	266	654	481	1,401
2004/05	254	616	482	1,352
2005/06	221	618	485	1,324
2006/07	164	615	489	1,268
2007/08	110	570	490	1,169
2008/09	16	462	490	968
2009/10	16	426	460	902
2010/11	16	281	428	726
2011/12	27	328	432	788
2012/13	25	308	436	769
2013/14	49	279	432	760
2014/15	56	307	417	781
2015/16	62	306	376	743
2016/17	62	280	363	705
2017/18	63	274	353	690
2018/19	70	274	346	690

Please note: Includes catches taken under permits when issued in addition to TACC.



## Catch by quota year (April–March) and zone during 1995/96–2018/19

Total Allowable Commercial Catch (TACC) quota management was introduced for the commercial fishery on 1 April 1988.

Western Zone - all Victorian waters west of longitude 148° E (Hopkins River mouth). Central Victorian waters west of longitude 148° E (Hopkins River mouth). Central Zone - all Victorian waters between longitude 142° 31' E and 148° E.

Quota year	Western Zone	Central Zone	TOTAL
	Abalone tonnes	Abalone tonnes	Abalone tonnes
1995/96	0.2	3.5	3.7
1996/97	0.2	0	0.2
1997/98	0.2	0	0.2
1998/99	0.7	3	3.7
1999/00	0.9	0.8	1.7
2000/01	0.5	1.9	2.4
2001/02	0	3	3.0
2002/03	0.5	1.1	1.6
2003/04	0.2	2.5	2.6
2004/05	0	0.9	0.9
2005/06	0	0.3	0.3
2006/07	4.2	0	4.2
2007/08	4.2	0	4.2
2008/09	8.8	3.1	11.9
2009/10	10	3.0	12.9
2010/11	19.5	3.2	22.7
2011/12	15.5	2.8	18.3
2012/13	7	2.9	9.9
2013/14	0	3	3.0
2014/15	0	3.1	3.1
2015/16	0	3.1	3.1
2016/17	0	3.3	3.3
2017/18	1.3	3.3	4.6
2018/19	1.4	3.2	4.6

Please note: Includes catches taken under permits when issued in addition to TACC.

## History of TACCs for each zone.

	TACC (tonnes)						
	Western Zone			Central Zone			Eastern Zone
	Blacklip Abalone	Greenlip Abalone	Combined	Blacklip Abalone	Greenlip Abalone	Combined	Blacklip Abalone
April 1998 to March 1999			280			700	460
April 1999 to March 2000			280			700	460
April 2000 to March 2001			280			700	460
April 2001 to March 2002			280			700	460
April 2002 to March 2003 <sup>1</sup>			265			665	465
April 2003 to March 2004 <sup>2</sup>			275			673	488
April 2004 to March 2005			254			617	488
April 2005 to March 2006			221			618	489
April 2006 to March 2007	221	0		620	0		489
April 2006 to March 2007 <sup>3</sup>	164	4.2		620	0		489
April 2007 to March 2008	110	4.2		620	0		490
April 2007 to March 2008 <sup>3</sup>	110	4.2		570	0		490
April 2008 to March 2009	16	4.2		462	3.4		490
April 2008 to March 2009 <sup>3</sup>	16	8.4		462	3.4		490
April 2009 to March 2010	16	9.8		429	3.4		460
April 2010 to March 2011	16	12.6		281.5	3.4		428.2
April 2011 to March 2012	27.3	15.4		328.3	3.4		432
April 2012 to March 2013	24.85	7		307.9	3.4		436
April 2013 to March 2014	49	0		279	3.4		432.5
April 2014 to March 2015	56.1	0		307.7	3.4		417.5
April 2015 to March 2016	61.7	0		307.7	3.4		376
April 2016 to March 2017	62.5	0		280.2	3.4		363
April 2017 to March 2018	63.2	1.4		274	3.4		352.5
April 2018 to March 2019	70	1.4		274	3.4		347
April 2019 to March 2020	73.2	1.4		262.5	3.4		345.5

Please Note: TACC for each zone does not include permit allowable catch.

<sup>1</sup>Includes reduction to accommodate introduction of marine parks; <sup>2</sup>Allowance of 5% increase for introduction of beach weighing regulations; <sup>3</sup>Further quota order amends TACC due to abalone disease.

## Marketing, Scientific and Previously Used Names for Fishery Production

Marketing name	Scientific name	CAAB Taxon code	Previously used species name
<b>Teleosts</b>			<b>Scalefish</b>
Anchovy, Australian (whitebait)	<i>Engraulis australis</i>	37 086001	Anchovy, southern
Atlantic salmon	<i>Salmo salar</i>	37 094001	Atlantic salmon
Australian bass	<i>Macquaria novemaculeata</i>	37 311034	Australian bass
Australian herring	<i>Arripis georgianus</i>	37 344001	Ruff
Australian salmon	<i>Arripis trutta</i> & <i>A. truttaceus</i>	37 344900	Australian salmon
Australian Sardine (Pilchard)	<i>Sardinops sagax</i>	37 085002	Pilchards
Barracouta	<i>Thyrsites atun</i>	37 439001	Barracouta
Barramundi	<i>Lates calcarifer</i>	37 310006	Barramundi
Bream, black	<i>Acanthopagrus butcheri</i>	37 353003	Bream, black
Bream, yellowfin	<i>Acanthopagrus australis</i>	37 353004	Bream, yellowfin
Breams	<i>Acanthopagrus butcheri</i> & <i>A. australis</i>	37 353902	
Carp, European	<i>Cyprinus carpio</i>	37 165003	Carp, European
Catfish, freshwater	<i>Tandanus tandanus</i>	37 192006	Catfish, native
Eel, longfin	<i>Anguilla reinhardtii</i>	37 056002	Eel, long-finned (wild)
Eel, southern shortfin	<i>Anguilla australis</i>	37 056001	Eel, short-finned (wild)
Eels, freshwater	<i>Anguilla reinhardtii</i> & <i>A. australis</i>	37 056000	Eels
Flathead, dusky	<i>Platycephalus fuscus</i>	37 296004	Flathead, dusky
Flathead, rock	<i>Platycephalus laevigatus</i>	37 296006	Flathead, rock
Flathead, southern bluespotted	<i>Platycephalus speculator</i>	37 296037	Flathead, yank
Flathead, southern sand	<i>Platycephalus bassensis</i>	37 296003	Flathead, sand
Flathead, tiger	<i>Platycephalus richardsoni</i>	37 296001	Flathead, tiger
Flatheads, other	Family Platycephalidae	37 296000	Flathead, other
Flounder, greenback	<i>Rhombosolea tapirina</i>	37 461003	Flounder, greenback
Garfish, river	<i>Hyporhamphus regularis</i>	37 234012	Garfish, river
Garfish, Southern (Sea)	<i>Hyporhamphus melanochir</i>	37 234001	Garfish, southern
Herring Cale	<i>Olis cyanomelas</i>	37 385001	Herring cale
Leatherjacket	Family Monacanthidae	37 465903	Leatherjackets
Luderick	<i>Girella tricuspidata</i>	37 361007	Luderick
Mackerel, jack	<i>Trachurus declivis</i>	37 337002	Mackerel, jack
Morwong, banded	<i>Cheilodactylus spectabilis</i>	37 377006	Morwong, banded
Morwong, dusky	<i>Dactylophora nigricans</i>	37 377005	Morwong, dusky
Mullet, red	<i>Upeneichthys vlamingii</i>	37 355029	Mullet, red
Mullet, sand	<i>Myxus elongatus</i>	37 381003	Mullet, sand
Mullet, sea	<i>Mugil cephalus</i>	37 381002	Mullet, sea
Mullet, yelloweye	<i>Aldrichetta forsteri</i>	37 381001	Mullet, yellow-eye
Mullets, other	Family Mugilidae	37 381000	Mullet, other
Murray cod	<i>Maccullochella peelii peelii</i>	37 311076	Murray cod
Perch, estuary	<i>Macquaria colonorum</i>	37 311033	Perch, estuary
Perch, golden	<i>Macquaria ambigua</i>	37 311075	Perch, golden
Perch, silver	<i>Bidyanus bidyanus</i>	37 321008	Perch, silver
Salmonids	Family Salmonidae	37 094000	Salmonids
Snapper	<i>Chrysophrys auratus</i>	37 353001	Snapper
Snook	<i>Sphyraena novaehollandiae</i>	37 382002	Pike, short-finned
Sprat, sandy	<i>Hyperlophus vittatus</i>	37 085005	Sprat, sandy
Tailor	<i>Pomatomus saltatrix</i>	37 334002	Tailor
Trevalla, blue-eye	<i>Hyperoglyphe antarctica</i>	37 445001	Trevalla, blue-eye
Trevally, silver	<i>Pseudocaranx georgianus</i>	37 337062	Trevally, silver
Trout, brown	<i>Salmo trutta</i>	37 094004	Trout, brown
Trout, rainbow	<i>Oncorhynchus mykiss</i>	37 094003	Trout, rainbow
Warehou, blue	<i>Seriola lalandi</i>	37 445005	Warehou, blue
Whiting, blue weed	<i>Haletta semifasciata</i>	37 385009	Stranger
Whiting, King George	<i>Sillaginodes punctatus</i>	37 330001	Whiting, King George
Whiting, school	<i>Sillago flindersi</i>	37 330014	Whiting, school
Wrasse, blue throat	<i>Notolabrus tetricus</i>	37 384003	Wrasse, blue throat
Wrasse, purple	<i>Notolabrus fucicola</i>	37 384021	Wrasse, saddle
Wrasses	Family Labridae	37 384000	Wrasse, unspecified
Teleosts	Class Pisces	37 000000	Other

## Marketing, Scientific and Previously Used Names for Fishery Production

Marketing name	Scientific name	CAAB Taxon code	Previously used species name
<b>Molluscs</b>			<b>Shellfish</b>
Abalone, blacklip	<i>Haliotis rubra rubra</i>	24 038006	Abalone, blacklip
Abalone, greenlip	<i>Haliotis laevis</i>	24 038004	Abalone, greenlip
Abalones	<i>Haliotis rubra</i> & <i>H. laevis</i>	24 038000	Abalone
Mussel, blue	<i>Mytilus galloprovincialis</i>	23 220001	Mussel & Mussel, blue
Periwinkle	Class Gastropoda	24 094901	Periwinkles
Scallop	<i>Pecten fumatus</i>	23 270007	Scallop, commercial
Other molluscs (bivalves)	Families Ostreidae & Pectinidae	23 257000 & 23 270000	Other shellfish (bivalves)
Other molluscs	Phylum Mollusca	23 000000	Other
<b>Echinoderms</b>			<b>Cephalopods</b>
Calamari, Southern (squid)	<i>Sepioteuthis australis</i>	23 617005	Calamary, southern
Cuttlefish	<i>Sepia</i> spp	23 607901	Cuttlefishes
Octopus	<i>Octopus</i> spp	23 659901	Octopuses
Squid, Gould's	<i>Nototodarus gouldi</i>	23 636004	Squid, arrow
Squids	<i>Nototodarus gouldi</i> & <i>Sepia</i> spp	"As above"	
<b>Echinoderms</b>			<b>Echinoderms</b>
Black (long-spine) Sea Urchin	<i>Centrostephanus rodgersii</i>	25 211001	Sea urchin, longspine
White Sea Urchin	<i>Heliocidaris erythrogramma</i>	25 247001	Sea urchin, purple
<b>Crustaceans</b>			<b>Crustaceans</b>
Bug (Shovelnose lobster)	<i>Ibacus peronii</i>	28 821901	Balmain bug
Crab, giant	<i>Pseudocarcinus gigas</i>	28 915002	Crab, giant
Crab, sand	<i>Ovalipes australiensis</i>	28 911901	Crab, sand
Crab, velvet	<i>Nectocarcinus tuberculatus</i>	28 911004	Crab, velvet
Crab, (unspecified)	Family Corystidae	28 900000	Crabs
Prawn, eastern king	<i>Melicertus plebejus</i>	28 711052	Prawn, eastern king
Prawn, eastern school	<i>Metapenaeus macleayi</i>	28 711029	Prawns, school
Prawns	<i>Penaeus plebejus</i> & <i>Metapenaeus macleayi</i>	28 711000	
Rock lobster, Southern	<i>Jasus edwardsii</i>	28 820001	Rock lobster, southern
Yabby	<i>Cherax destructor</i>	28 795002	Yabbies
Other crustaceans	Subphylum Crustacea	27 000000	Other
<b>Chondrichthyans</b>			<b>Sharks</b>
Elephantfish	<i>Callorhynchus milii</i>	37 043001	Elephant fish
Shark, angel	<i>Squatina australis</i>	37 024001	Shark, angel
Shark, broadnose	<i>Notorynchus cepedianus</i>	37 005002	Shark, seven-gilled
Shark, gummy	<i>Mustelus antarcticus</i>	37 017001	Shark, gummy
Shark, saw	<i>Pristiophorus cirratus</i> & <i>P. nudipinnis</i>	37 023002 & 37 023001	Shark, saw
Shark, school	<i>Galeorhinus galeus</i>	37 017008	Shark, school
Rays	Class Batoidea	37 990001	Skate
Other chondrichthyans	Family Chondrichthyes	37 990027	Other

Marketing names are based on the Codes for Australian Aquatic Biota (CAAB). For information on names, distribution and images of fish and fillets refer to [www.marine.csiro.au/caab](http://www.marine.csiro.au/caab).

# Aquaculture Production

## Introduction

This information bulletin is designed to meet the needs of the aquaculture industry, researchers, Victorian Fisheries Authority, the Victorian Government, the Commonwealth Government, and the United Nations Food and Agricultural Organisation. This publication provides data on the quantity; weight of growout production; and area of water licensed for cultivation within the Victorian aquaculture industry.

Under the *Fisheries Act 1995*, lodgement of aquaculture production return forms is a condition of the aquaculture licence. Individual returns are collected under Section 146 of the Act and are treated as strictly confidential. The data is released in aggregated form only.

## Number of Aquaculture Licences

The Victorian aquaculture industry consists of eight industry sectors with 94 licence holders.

Industry sector	Number of licences <sup>1</sup>				
	2014/15	2015/16	2016/17	2017/18	2018/19
Freshwater Eels	10	12	13	13	13
Salmonids	23	19	18	18	14
Warmwater Finfish (Inland)	22	20	18	18	18
Yabby	16	18	17	20	15
Abalone	11	12	10	10	9
Blue Mussel and Other Molluscs (Bivalves)	18	18	16	17	16
Ornamental Fish	8	8	9	8	8
Other	4	20	21	23	20
Total	112	127	122	127	113 <sup>2</sup>

<sup>1</sup>Includes hatchery production and growout production; <sup>2</sup>multiple licences are held by some licence holders.

## Growout Production

Sector	Fiscal year	Growout		
		Number (‘000)	Weight (tonnes)	Value (\$,000)
Finfish <sup>1</sup>	2014/15	na <sup>2</sup>	1,421	nd <sup>3</sup>
	2015/16	na	1,584	nd
	2016/17	na	1,545	24,807
	2017/18	na	1,488	26,440
	2018/19	na	1,611	31,630
Ornamental finfish	2014/15	2,777	na	nd
	2015/16	2,438	na	nd
	2016/17	2,283	na	1,279
	2017/18	1,915	na	1,149
	2018/19	1,847	na	1,108
Crustaceans <sup>4</sup>	2014/15	na	3	nd
	2015/16	na	1	nd
	2016/17	na	4	153
	2017/18	na	4	192
	2018/19	na	3	160
Shellfish <sup>5</sup>	2014/15	na	1,472	nd
	2015/16	na	1,090	nd
	2016/17	na	1,598	22,032
	2017/18	na	1,871	30,406
	2018/19	na	1,706	26,575
Total	2014/15	2,777	2,897	nd
	2015/16	2,438	2,676	nd
	2016/17	2,283	3,147	48,271
	2017/18	1,915	3,362	58,187
	2018/19	1,847	3,319	59,473

<sup>1</sup>includes salmonids, warmwater finfish and eels; <sup>2</sup>na, not applicable;  
<sup>3</sup>nd, no data; <sup>4</sup>includes yabby; <sup>5</sup>includes abalone and blue mussel.

## Area of Water Licensed for Cultivation - Blue Mussel and Other Molluscs (Bivalves)

Industry sector	Fiscal year	Aquaculture Fisheries Reserve				Total
		Flinders	Grassy Point	Clifton Springs	Other <sup>1</sup>	
		Total area (ha)	Total area (ha)	Total area (ha)	Total area (ha)	
Blue Mussel and	2014/15	166	45	75	183	469
Other Molluscs	2015/16	166	45	75	183	469
(Bivalves)	2016/17	166	45	75	183	469
	2017/18	178	63	75	218	534
	2018/19	178	63	75	218	534

<sup>1</sup>Includes production from the Pinnacle Channel, Beaumaris, Dromana, Bates Point and Mount Martha aquaculture fisheries reserves.