



# Victorian Fisheries Authority Commercial Fish Production

Information Bulletin

July 2022 to June 2023



## Notes to the reader

This 2022/23 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, from 1 July 2020, price data has been collected from aquaculture licence holders in their returns. 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 20 October 2023. Wildcatch fishery production compliance rates for submission of return forms was 97% for 2022/23 whilst Aquaculture was 92%.

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 2022/23.

Species	2021/22		2022/23	
	Weight <sup>1</sup>	Value <sup>2</sup>	Weight <sup>1</sup>	Value <sup>2</sup>
<b>Molluscs and Echinoderms</b>				
Abalone	636	17,337	647	18,375
Octopus	141	nd	132	nd
Squids	40	nd	28	nd
Scallop	547	nd	17	nd
Other	139	na	187	na
Sub-total	1,504	na	1,012	na
<b>Crustaceans</b>				
Rock Lobster, southern	270	13,980	261	15,111
Prawns	31	nd	46	nd
Crab, giant	id	nd	id	nd
Other	116	na	43	na
Sub-total	417	na	351	na
<b>Teleosts and Chondrichthyans</b>				
Sardine, Australian (Pilchard)	563	nd	269	nd
Australian salmon	82	nd	550	nd
Whiting, King George	208	nd	168	nd
Snapper	55	nd	65	nd
Eels, freshwater	57	nd	63	nd
Garfish, southern (sea)	63	nd	63	nd
Breams	4	nd	id	nd
Chondrichthyans <sup>6</sup>	41	nd	47	nd
Other	561	na	614	na
Sub-total	1,636	na	1,839	na
Total	3,557	na	3,201	na
<b>Aquaculture<sup>7</sup></b>				
<b>Inland</b>				
Finfish <sup>8</sup>	1,839	28,235	1,368	22,193
Shellfish <sup>9</sup>	2,353	24,872	2,569	32,654
Crustaceans <sup>10</sup>	8	57	4	61
Ornamental finfish <sup>11</sup>	no	773	no	765
Total	4,200	53,937	3,941	55,674

<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 salmonids, warmwater finfish and eels; <sup>9</sup>includes abalone and blue mussel; <sup>10</sup>includes yabby; <sup>11</sup>no, number only of ornamental fish available (491,000 for 2021/22 and 485,000 for 2022/23).

# 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. From March 2020, COVID-19 has impacted the Victorian commercial fishing and aquaculture industries

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 2023)

Abalone, Western Zone	14	<b>Bay &amp; Inlet Fisheries</b>	
Abalone, Central Zone	34	Corner Inlet	18
Abalone, Eastern Zone	23	Gippsland Lakes (Bait)	8
Bait (General)	9	Gippsland Lakes (Mussel Dive)	2
Banded Morwong	2	Lake Tyers (Bait)	1
Giant Crab	9	Mallacoota Lower Lake (Bait)	1
Eel, Fishery A (Transferable)	18	Port Phillip–Western Port	8
Ocean (General)	129	Scallop Dive (Port Phillip Bay)	1
Octopus	12	Snowy River Fishery (Bait)	2
Pipi Fishery	9	Sydenham Inlet Fishery (Bait)	2
Purse Seine (Ocean)	1		
Rock Lobster, Western Zone	69	Total Bay & Inlet	43
Rock Lobster, Eastern Zone	30		
Scallop (Ocean)	88	Total All Fisheries	574
Sea Urchin	9		
Trawl (Inshore)	52		
Wrasse (Ocean)	23		
Total	531		
Permits	93		

## Number of Licensed Pots (June 2023)

<b>Rock Lobster</b>		Total All Pots	7,198
Pots, Western Zone	5,162		
Pots, Eastern Zone	2,036		

## Victoria Statewide (Teleosts)

Commercial catch and value for each major species caught during 2018/19–2022/23 (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)				
	2018/19	2019/20	2020/21	2021/22	2022/23	2018/19	2019/20	2020/21	2021/22	2022/23
<b>Teleosts</b>										
Anchovy, Australian	3	10	43	34	id	nd	nd	nd	nd	nd
Australian herring	1	4	3	6	2	nd	nd	nd	nd	nd
Australian salmon	443	257	171	82	550	556	375	120	nd	nd
Barracouta	0	1	0	2	2	nd	nd	nd	nd	nd
Bream, black	34	22	9	4	id	nd	nd	nd	nd	nd
Bream, yellowfin	id	id	id	id	id	nd	nd	nd	nd	nd
Carp, European	67	25	47	165	159	nd	nd	nd	nd	nd
Eel, longfin	18	8	14	7	1	177	80	55	nd	nd
Eel, southern shortfin	50	41	50	50	62	594	451	186	nd	nd
Flathead, dusky	5	4	nd	nd	nd	nd	nd	nd	nd	nd
Flathead, rock	62	49	53	54	69	nd	nd	nd	nd	nd
Flathead, southern bluespotted	31	25	22	27	35	nd	nd	nd	nd	nd
Flathead, southern sand	1	3	4	3	3	nd	nd	nd	nd	nd
Flathead, tiger	2	15	21	23	31	nd	nd	nd	nd	nd
Flatheads, other	1	1	1	0	0	nd	nd	nd	nd	nd
Flounder, greenback	12	7	7	16	22	nd	nd	nd	nd	nd
Garfish, river	id	id	nd	nd	nd	nd	nd	nd	nd	nd
Garfish, southern	59	46	33	63	63	nd	nd	nd	nd	nd
Herring cale	id	id	id	id	id	nd	nd	nd	nd	nd
Leatherjackets	18	11	5	9	10	nd	nd	nd	nd	nd
Luderick	3	4	0	0	id	nd	nd	nd	nd	nd
Mackerel, jack	24	46	59	19	12	nd	nd	nd	nd	nd
Morwong, banded	id	id	id	id	id	nd	nd	nd	nd	nd
Morwong, dusky	0	1	0	id	0	nd	nd	nd	nd	nd
Mullet, red	1	2	3	3	1	nd	nd	nd	nd	nd
Mullet, sand	id	id	nd	nd	nd	nd	nd	nd	nd	nd
Mullet, sea	6	5	0	nd	nd	nd	nd	nd	nd	nd
Mullet, yellow-eye	29	28	13	12	19	nd	nd	nd	nd	nd
Mullet, other	1	0	0	id	id	nd	nd	nd	nd	nd
Perch, estuary	1	0	2	1	4	nd	nd	nd	nd	nd
Pike, unspecified	12	16	16	21	3	nd	nd	nd	nd	nd
Sardine, Australian (Pilchard)	1,288	508	651	563	269	1,985	787	585	nd	nd
Snapper	49	39	45	55	65	nd	nd	nd	nd	nd
Sprat, sandy	id	id	id	id	30	nd	nd	nd	nd	nd
Tailor	9	4	1	2	5	nd	nd	nd	nd	nd
Trevally, silver	24	29	8	18	28	nd	nd	nd	nd	nd
Warehou, blue	0	2	5	6	6	nd	nd	nd	nd	nd
Whiting, blue weed	13	15	24	18	17	nd	nd	nd	nd	nd
Whiting, King George	118	163	176	208	168	nd	nd	nd	nd	nd
Whiting, school	4	10	13	15	16	nd	nd	nd	nd	nd
Wrasse, blue throat	30	21	20	21	18	604	418	201	nd	nd
Wrasse, purple	1	2	2	2	1	25	33	22	nd	nd
Wrasses	2	2	0	0	1	43	36	1	nd	nd
Other teleosts	228	43	53	82	121	nd	nd	nd	nd	nd
Sub-total	2,650	1,470	1,574	1,595	1,792					

<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 2018/19–2022/23 (fiscal years).

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

Value is estimated from various sources.

Species	Production (live weight, tonnes)					Value (\$'000)				
	2018/19	2019/20	2020/21	2021/22	2022/23	2018/19	2019/20	2020/21	2021/22	2022/23
<b>Molluscs and Echinoderms</b>										
Abalone, Blacklip	689	618	605	632	643	31,101	27,533	16,704	17,211	18,247
Abalone, Greenlip	5	3	5	5	5	209	138	135	126	129
Calamari, Southern (squid)	61	44	47	37	24	nd	nd	nd	nd	nd
Cuttlefishes	0	0	1	2	0	nd	nd	nd	nd	nd
Mussel, Blue	0	0	0	id	id	nd	nd	nd	nd	nd
Octopuses	89	134	157	141	132	908	1,338	1,573	nd	nd
Periwinkles	5	6	7	13	11	nd	nd	nd	nd	nd
Pipi	62	47	57	42	48	nd	nd	nd	nd	nd
Scallop <sup>3</sup>	id	id	242	547	17	nd	nd	nd	nd	nd
Black Sea Urchin	59	79	41	37	83	nd	nd	nd	nd	nd
White Sea Urchin	27	33	64	44	22	nd	nd	nd	nd	nd
Squid, Gould's	1	1	2	3	4	nd	nd	nd	nd	nd
Other	40	13	6	0	5	nd	nd	nd	nd	nd
Sub-total	1,037	978	1,235	1,504	1,012					
<b>Crustaceans</b>										
Bug (shovelnose lobster)	6	2	3	1	2	nd	nd	nd	nd	nd
Crab, Giant	id	id	id	id	id	nd	nd	nd	nd	nd
Crab, Sand	14	1	12	28	2	nd	nd	nd	nd	nd
Crab, Velvet	2	0	0	0	id	nd	nd	nd	nd	nd
Crab (unspecified)	36	66	88	76	31	nd	nd	nd	nd	nd
Prawn, Eastern King	97	20	55	15	38	nd	nd	nd	nd	nd
Prawn, School	35	24	17	16	8	nd	nd	nd	nd	nd
Rock Lobster, Southern	290	263	287	270	261	26,047	22,574	13,615	13,980	15,111
Yabby (freshwater)	1	0	0	0	id	nd	nd	nd	nd	nd
Other Crustaceans	14	12	11	9	7	nd	nd	nd	nd	nd
Sub-total	495	390	474	417	351					
<b>Chondrichthyans<sup>4</sup></b>										
Elephantfish	1	3	1	1	2	nd	nd	nd	nd	nd
Shark, Angel	1	1	2	2	1	nd	nd	nd	nd	nd
Shark, Gummy	17	19	15	18	25	nd	nd	nd	nd	nd
Shark, Saw	0	1	1	2	1	nd	nd	nd	nd	nd
Shark, School	1	0	0	0	0	nd	nd	nd	nd	nd
Shark, Broadnose	0	0	0	0	1	nd	nd	nd	nd	nd
Skates and Rays <sup>5</sup>	16	18	12	17	15	nd	nd	nd	nd	nd
Other Chondrichthyans	4	3	3	1	1	nd	nd	nd	nd	nd
Sub-total	40	44	34	41	47					
<b>Total</b>	<b>4,221</b>	<b>2,882</b>	<b>3,317</b>	<b>3,557</b>	<b>3,201</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

## Port Phillip Bay

Commercial catch for each major species caught in Port Phillip Bay during 1978/79–2022/23.

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
2019/20	id	1	id	3	1	1	id	id	id	id	5	30	24	170	234
2020/21	id	1	id	3	1	1	0	0	0	id	4	37	21	154	222
2021/22	id	2	id	2	1	0	id	0	id	id	3	34	22	121	186
2022/23	nd	id	nd	nd	nd	id	id	nd	nd	nd	4	48	nd	3	55

<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 1978/79–2022/23.

Year	Production (tonnes)														Total
	Australian salmon	Australian Sardine (Pitchard)	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
2019/20	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
2020/21	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
2021/22	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
2022/23	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 1978/79–2022/23.

Year	Production (tonnes)														Total
	Australian salmon	Calamari, Southern (squid)	Flathead, rock	Flathead, southern bluespotted & 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	12	19	18	6	23	8	7	11	3	118	22	294
1997/98	32	7	31	16	28	40	3	20	9	4	13	2	99	29	333
1998/99	15	18	26	8	16	50	4	21	10	6	31	3	93	24	324
1999/00	6	24	36	8	9	75	8	24	7	9	31	6	73	29	344
2000/01	8	37	41	12	7	73	12	16	11	6	20	6	36	28	312
2001/02	26	26	46	13	8	79	12	14	6	5	58	2	35	31	362
2002/03	6	17	41	10	6	43	11	14	8	6	26	1	51	21	264
2003/04	5	29	41	11	10	53	7	10	8	7	22	2	73	22	300
2004/05	11	30	51	14	16	70	6	13	10	7	25	2	58	24	337
2005/06	8	25	57	8	16	50	7	9	13	6	21	2	44	26	292
2006/07	13	19	42	7	11	48	4	8	10	3	28	2	80	23	297
2007/08	16	26	37	12	11	44	3	12	10	5	45	2	94	28	345
2008/09	15	30	51	18	9	41	4	17	11	12	54	2	50	42	356
2009/10	12	29	97	22	6	42	6	26	9	6	28	3	39	31	355
2010/11	16	32	77	20	13	40	5	8	15	6	18	2	54	31	339
2011/12	26	10	93	23	15	22	4	13	11	4	19	2	71	30	343
2012/13	15	14	80	18	13	38	2	20	9	7	13	1	37	42	311
2013/14	22	10	44	14	10	43	2	18	10	5	17	1	41	29	265
2014/15	11	28	48	14	9	25	4	14	9	6	16	3	44	31	262
2015/16	8	21	33	16	10	23	5	11	7	6	15	3	131	29	318
2016/17	9	22	45	21	14	60	6	15	9	10	25	5	78	29	346
2017/18	16	30	52	30	13	53	4	17	11	6	22	6	27	35	321
2018/19	16	54	61	31	11	59	11	19	11	11	17	13	94	38	446
2019/20	16	37	49	25	7	45	4	20	9	11	20	15	136	43	438
2020/21	8	41	52	21	7	32	5	13	8	12	8	23	151	27	411
2021/22	22	33	54	27	16	63	6	12	10	15	16	17	182	50	523
2022/23	33	22	69	34	22	63	7	19	15	12	24	17	166	52	555

## Gippsland Lakes and Lake Tyers

Commercial catch for each major species caught in Gippsland Lakes and Lake Tyers during 1978/79–2022/23.

Year	Production (tonnes)															
	Anchovy, Australian (whitebait)	Australian salmon	Bream, black	Carp, European	Flathead, dusky	Garfish, river	Leatherjacket	Luderick	Mullet, sea	Mullet, yelloweye	Mussel, blue	Perch, estuary	Tailor	Trevally, silver	Other	Total
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	id	1	27	id	5	id	1	3	6	10	id	0	7	4	91	155
2019/20 <sup>3</sup>	id	2	14	id	4	id	1	4	5	8	nd <sup>4</sup>	0	3	7	85	132
2020/21	id	nd	nd	nd	nd	nd	nd	nd	nd	nd	id	nd	nd	nd	99	99
2021/22	id	nd	nd	nd	nd	nd	nd	nd	nd	nd	id	nd	nd	nd	80	80
2022/23	id	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	32	32

<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';

<sup>3</sup>Gippsland Lakes fishery was closed in April 2020; <sup>4</sup>nd, no data obtained.

## Offshore

## Commercial catch for each major species caught offshore during 1978/79–2022/23.

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
2019/20	238	2	1	1	id	123	19	4	5	2	1	20	2	0	538	956
2020/21	161	3	0	11	id	151	55	3	4	0	4	20	2	0	1,030	1,447
2021/22	58	1	2	28	id	133	15	5	7	1	4	19	2	0	1,216	1,492
2022/23	516	2	1	2	id	124	38	6	5	3	3	16	1	1	535	1,254

<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 2009/10–2022/23.

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

Total Allowable Catch 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	440	505	656	404	0.62	0.87	17,015	450
2003/04	1 Apr-31 Mar	615	436	502	599	428	0.71	0.87	12,159	450
2004/05	1 Apr-31 Mar	638	421	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	329	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	244	275	555	234	0.42	0.88	11,822	320
2009	1 Apr-30 Jun	139	36	36	135	35	0.26	1.00	2,071	55
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	237	284	524	231	0.44	0.83	11,871	240
2011/12	1 July- 30 June	489	237	286	474	232	0.49	0.83	13,966	240
2012/13	1 July- 30 June	476	258	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	298	245	241	292	244	0.84	1.03	22,003	246
2019/20 <sup>1</sup>	1 July- 30 June	287	226	210	283	222	0.79	1.06	19,460	246
2020/21	1 July- 30 June	279	255	246	279	255	0.91	1.04	12,032	264 <sup>2</sup>
2021/22	1 July- 30 June	253	249	253	253	249	0.99	0.99	9,002	249 <sup>2</sup>
2022/23	1 July- 30 June	210	246	237	210	246	1.17	1.04	14,098	246

<sup>1</sup>From March 2020, industry impacted by COVID-19; <sup>2</sup>includes quota roll-over provisions.**Southern Rock Lobster (Western Zone)**

Catch, effort and value by month during quota year (July–June) 2022/23.

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)
2022	July	24	18	17	24	18	0.83	1.09	1,251
2022	August	27	25	22	27	25	0.85	1.14	1,346
2022	September	9	6	6	9	6	0.73	1.10	374
2022	November	11	14	15	11	14	1.25	0.89	829
2022	December	35	47	47	35	47	1.41	1.01	2,904
2023	January	36	52	50	36	52	1.43	1.04	2,851
2023	February	20	26	25	20	26	1.24	1.04	1,221
2023	March	21	26	25	21	26	1.24	1.01	1,497
2023	April	21	27	26	21	27	1.26	1.03	1,473
2023	May	6	6	5	6	6	0.89	1.12	332
2023	June	0	0	0	0	0	0.61	1.28	20

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 1982/83–2022/23.

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>c</sup>	id	id	id	id	id	id	11
2015/16	1 July-30 June	9	3	7	9	1.19	3.25	280	11
2016/17	1 July-30 June	id	id	id	id	id	id	id	11
2017/18	1 July-30 June	id	id	id	id	id	id	id	11
2018/19	1 July-30 June	id	id	id	id	id	id	id	11
2019/20	1 July-30 June	id	id	id	id	id	id	id	11
2020/21	1 July-30 June	id	id	id	id	id	id	id	12 <sup>a</sup>
2021/22	1 July-30 June	id	id	id	id	id	id	id	7.5
2022/23	1 July-30 June	id	id	id	id	id	id	id	7.5

<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); <sup>a</sup>includes quota roll-over provisions.

**Giant Crab (Western Zone)**

Catch, effort and value by month during quota year (July–June) 2019/20.

Year	Month	Weight (tonnes)	Number ('000)	Target pot-lifts ('000)	Target weight (tonnes)	Target catch rate (kg/pot-lift)	Mean weight (kg)	Value (\$'000)
2022	July	id	id	id	id	id	id	id
2022	August	id	id	id	id	id	id	id
2022	September	nd	nd	nd	nd	nd	nd	nd
2022	November	id	id	id	id	id	id	id
2022	December	id	id	id	id	id	id	id
2023	January	id	id	id	id	id	id	id
2023	February	id	id	id	id	id	id	id
2023	March	id	id	id	id	id	id	id
2023	April	id	id	id	id	id	id	id
2023	May	nd	nd	nd	nd	nd	nd	nd
2023	June	nd	nd	nd	nd	nd	nd	nd

Target species is specified in the logbooks.

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

**Southern Rock Lobster (Eastern Zone)**

Catch, effort and value by quota year (April–March) during 1982/83–2009/10, (July–June) during 2009/10–2022/2

Eastern Zone - Longitude 143° 40' E (just west 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	53	49	0.41	1.10	1,662	60
2005/06	1 Apr-31 Mar	136	56	47	0.41	1.17	1,921	60
2006/07	1 Apr-31 Mar	118	54	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	1 Apr-30 Jun	18	5.8	4	0.31	1.45	334	7
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	47	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	113	45	30	0.40	1.50	4,044	47
2019/20 <sup>1</sup>	1 July- 30 June	89	37	23	0.40	1.52	3,112	40
2020/21	1 July- 30 June	85	32	21	0.37	1.60	1,583	43 <sup>2</sup>
2021/22	1 July- 30 June	58	21	15	0.37	1.37	789	33 <sup>2</sup>
2022/23	1 July- 30 June	43	15	11	0.34	1.29	1,013	32

<sup>1</sup>From March 2020, industry impacted by COVID-19; <sup>2</sup>includes quota roll-over provisions.**Southern Rock Lobster (Eastern Zone)**

Catch, effort and value by month during quota year (July–June) 2022/23.

Year	Month	Pot-lifts	Weight	Number	Catch	Mean	Value
		('000)	(tonnes)	('000)	rate	weight	(\$'000)
					(kg/pot-lift)	(kg)	
2022	July	4	1	1	0.26	1.73	84
2022	August	5	1	1	0.26	1.30	96
2022	September	2	1	1	0.28	1.24	37
2022	November	2	0	0	0.34	1.08	47
2022	December	7	3	3	0.39	1.22	214
2023	January	8	4	3	0.54	1.33	296
2023	February	6	2	2	0.39	1.19	142
2023	March	2	1	1	0.22	1.17	26
2023	April	3	0	0	0.19	1.40	31
2023	May	1	0	0	0.12	1.66	11
2023	June	2	0	0	0.18	1.71	30

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

## Blacklip Abalone

### Catch by quota year and zone during 1995/96–2022/23

Quota year for all zones was April to March until 2020. Central zone and Western zone quota year changed to July to June from July 2020. Quota year for Eastern Zone is April to March.

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
2019/20 <sup>1</sup>	63	233	322	618
2020/21			283	283
2020/21 <sup>2</sup>		230		230
2020/21 <sup>3</sup>	73			73
2021/22 <sup>4</sup>	61	241		302
2021/22 <sup>5</sup>			357	357
2022/23 <sup>4</sup>	34	253		286
2022/23 <sup>5</sup>			331	331

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

<sup>1</sup> From March 2020, industry impacted by COVID-19; <sup>2</sup> Quota year for Central Zone is April 2020 to June 2021; <sup>3</sup> Quota year for Western Zone is July 2020 to June 2021; <sup>4</sup> Quota year for Western Zone and Central Zone is July to June; <sup>5</sup> Quota year for Eastern Zone is April to March.



## Greenlip Abalone

**Catch by quota year (April–March) and zone during 1995/96–2022/23.**

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
2019/20 <sup>1</sup>	0.6	2.5	3.1
2020/21 <sup>2</sup>	2.0	3.5	5.5
2021/22	1.6	2.7	4.3
2022/23	0.5	3.4	3.9

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

<sup>1</sup> From March 2020, industry impacted by COVID-19; <sup>2</sup> Quota year for Central Zone is April 2020 to June 2021 and Quota year for Western Zone is July 2020 to June 2021.

## Abalone

### 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 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>			280			700	460
April 2003 to March 2004 <sup>2</sup>			265			665	465
April 2004 to March 2005			275			673	488
April 2005 to March 2006			254			617	488
April 2006 to March 2007			221			618	489
April 2006 to March 2007 <sup>3</sup>	221	0		620	0		489
April 2007 to March 2008	164	4.2		620	0		489
April 2007 to March 2008 <sup>3</sup>	110	4.2		620	0		490
April 2008 to March 2009	110	4.2		570	0		490
April 2008 to March 2009 <sup>3</sup>	16	4.2		462	3.4		490
April 2009 to March 2010	16	8.4		462	3.4		490
April 2010 to March 2011	16	9.8		429	3.4		460
April 2011 to March 2012	16	12.6		281.5	3.4		428.2
April 2012 to March 2013	27.3	15.4		328.3	3.4		432
April 2013 to March 2014	24.85	7		307.9	3.4		436
April 2014 to March 2015	49	0		279	3.4		432.5
April 2015 to March 2016	56.1	0		307.7	3.4		417.5
April 2016 to March 2017	61.7	0		307.7	3.4		376
April 2017 to March 2018	62.5	0		280.2	3.4		363
April 2018 to March 2019	70	1.4		274	3.4		346.5
April 2019 to March 2020				262.5	3.4		345.5
July 2019 to June 2020	73.2	1.4					
April 2020 to March 2021							337.5
April 2020 to June 2021				252.6	3.4		
July 2020 to June 2021	68.7	1.4					
April 2021 to March 2022		1.6			3.46		357.1
July 2021 to June 2022	66			251.2			
April 2022 to March 2023		1.9			3.4		331
July 2022 to June 2023	33.8			240.8			

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>Seriolella brama</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 93 licence holders.

Industry sector	Number of licences <sup>1</sup>				
	2018/19	2019/20	2020/21	2021/22	2022/23
Freshwater Eels	13	13	13	13	12
Salmonids	14	14	13	13	12
Warmwater Finfish (Inland)	18	19	14	13	10
Yabby	15	13	14	16	15
Abalone	9	9	9	9	8
Blue Mussel and Other Molluscs (Bivalves)	16	14	14	16	15
Ornamental Fish	8	7	6	7	8
Other	20	21	21	23	24
Total	113	110	104	110	104 <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 ( <sup>3</sup> '000)	Weight (tonnes)	Value (\$,000)
Finfish <sup>1</sup>	2018/19	na	1,618	31,767
	2019/20	na	1,713	25,819
	2020/21	na	1,684	27,649
	2021/22	na	1,839	28,235
	2022/23	na	1,368	22,193
Ornamental finfish	2018/19	1,868	na	1,121
	2019/20	1,248	na	749
	2020/21	555	na	631
	2021/22	491	na	773
	2022/23	485	na	765
Crustaceans <sup>4</sup>	2018/19	na	3	170
	2019/20	na	3	180
	2020/21	na	2	56
	2021/22	na	8	57
	2022/23	na	4	61
Shellfish <sup>5</sup>	2018/19	na	1,706	26,575
	2019/20	na	1,573	21,642
	2020/21	na	1,838	23,288
	2021/22	na	2,353	24,872
	2022/23	na	2,569	32,654
Total	2018/19	1,868	3,327	59,633
	2019/20	1,248	3,289	48,390
	2020/21	555	3,523	51,624
	2021/22	491	4,200	53,937
	2022/23	485	3,941	55,674

<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	2018/19	178	63	75	218	534
Other Molluscs	2019/20	175	60	75	246	556
(Bivalves)	2020/21	175	60	75	246	556
	2021/22	173	60	78	245	556
	2022/23	173	60	78	245	556

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