



Department of
Primary Industries

Aquaculture Production Report 2015-2016



Published by the NSW Department of Primary Industries

Aquaculture Production Report 2015-2016

First published February 2017

ISSN 1444-840

More information

Author: Sheree Livingstone, Aquaculture Unit, Port Stephens Fisheries Institute

www.dpi.nsw.gov.au

Acknowledgments

Project Manager: Sheree Livingstone, Aquaculture Unit, Port Stephens Fisheries Institute

Data: Sheree Livingstone, Raelene Trenaman

Tables and Graphs: Sheree Livingstone, Raelene Trenaman

JTN 14310

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Information presented in this publication is presented as a general representation of aquaculture production in NSW for the reporting period 1 July 2015 to 30 June 2016. All care has been taken to ensure the information is correct at the time of publication. NSW Department of Primary Industries does not guarantee the accuracy of the information provided by the permit holders.

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Table 1: Snapshot of Total Aquaculture Production for 2015/2016

Grouping	Common Name	Scientific Name	Production		Average Price per Production Unit	Value (\$)
			Kilograms	Dozens		
Crustaceans	Black Tiger Prawn	<i>Penaeus monodon</i>	326,222		\$18.35	\$5,984,808
	Yabby	<i>Cherax destructor</i>	3,255		\$30.35	\$98,779
	Yabby (bait)	<i>Cherax destructor</i>	4,278		\$55.51	\$237,468
Subtotal						\$6,321,055
Freshwater Fish	Barramundi	<i>Lates calcarifer</i>	67,772		\$14.48	\$981,500
	Brown Trout	<i>Salmo trutta</i>	314		\$9.86	\$3,096
	Golden Perch	<i>Macquaria ambigua</i>	219		\$16.90	\$3,701
	Murray Cod	<i>Maccullochella peelii</i>	205,083		\$14.59	\$2,991,420
	Rainbow Trout	<i>Oncorhynchus mykiss</i>	195,390		\$11.70	\$2,286,500
	Silver Perch	<i>Bidyanus bidyanus</i>	254,133		\$11.68	\$2,967,722
Subtotal						\$9,233,939
Hatchery	Hatchery Species**					\$3,580,589
Subtotal						\$3,580,589
Molluscs	Sydney Rock Oyster	<i>Saccostrea glomerata</i>		5,273,919		\$36,873,166
	Pacific Oyster	<i>Crassostrea gigas</i>		468,294		\$5,798,498
	Native Oyster	<i>Ostrea angasi</i>		8,595		\$102,231
	Oyster Spat***					\$1,546,560
Subtotal						\$44,320,455
Others*						\$1,429,265
Total Value (\$)						\$64,885,303

* Not available for confidentiality reasons (≤ 5 farms authorised to cultivate species). Species include: Australian Paratya (*Paratya australiensis*), Blue Mussel (*Mytilus galloprovincialis*), Brook Trout (*Salvelinus fontinalis*), Floodplain Mussel (*Vesunio ambiguus*), Moreton Bay Bug (*Thenus australiensis*), Mulloway (*Argyrosomus japonicus*), Pearl Oyster (*Pinctada imbricata*), Sea Lettuce (*Ulva lactuca*), Sydney Rock Oyster (*Saccostrea glomerata*; nursery cultivated) & Tube Worm (*Diopatra aciculata*).

** Refer to Table 3 of the Report. *** Refer to Table 7 of the Report.

Table 2: Fish, Crustacean and Mollusc Production 2015/2016

Grouping	Common Name	Scientific Name	Production (kg)	Average Price per Production Unit	Value (\$)
Crustaceans	Black Tiger Prawn	<i>Penaeus monodon</i>	326,222	\$18.35	\$5,984,808
	Yabby	<i>Cherax destructor</i>	3,255	\$30.35	\$98,779
	Yabby (bait)	<i>Cherax destructor</i>	4,278	\$55.51	\$237,468
Subtotal					\$6,321,055
Freshwater Fish	Barramundi	<i>Lates calcarifer</i>	67,772	\$14.48	\$981,500
	Brown Trout	<i>Salmo trutta</i>	314	\$9.86	\$3,096
	Golden Perch	<i>Macquaria ambigua</i>	219	\$16.90	\$3,701
	Murray Cod	<i>Maccullochella peelii</i>	205,083	\$14.59	\$2,991,420
	Rainbow Trout	<i>Oncorhynchus mykiss</i>	195,390	\$11.70	\$2,286,500
	Silver Perch	<i>Bidyanus bidyanus</i>	254,133	\$11.68	\$2,967,722
Subtotal					\$9,233,939
Others*					\$1,237,171
Total Value (\$)					\$16,792,165

* Not available for confidentiality reasons (≤ 5 farms authorised to cultivate species). Species include: Australian Paratya (*Paratya australiensis*), Brook Trout (*Salvelinus fontinalis*), Floodplain Mussel (*Velesunio ambiguus*), Moreton Bay Bug (*Thenus australiensis*), Mulloway (*Argyrosomus japonicus*), Sydney Rock Oyster (*Saccostrea glomerata*; nursery cultivated) & Tube Worm (*Diopatra aciculata*).

Figure A: Comparison of Land Based Aquaculture Production by Species and Year

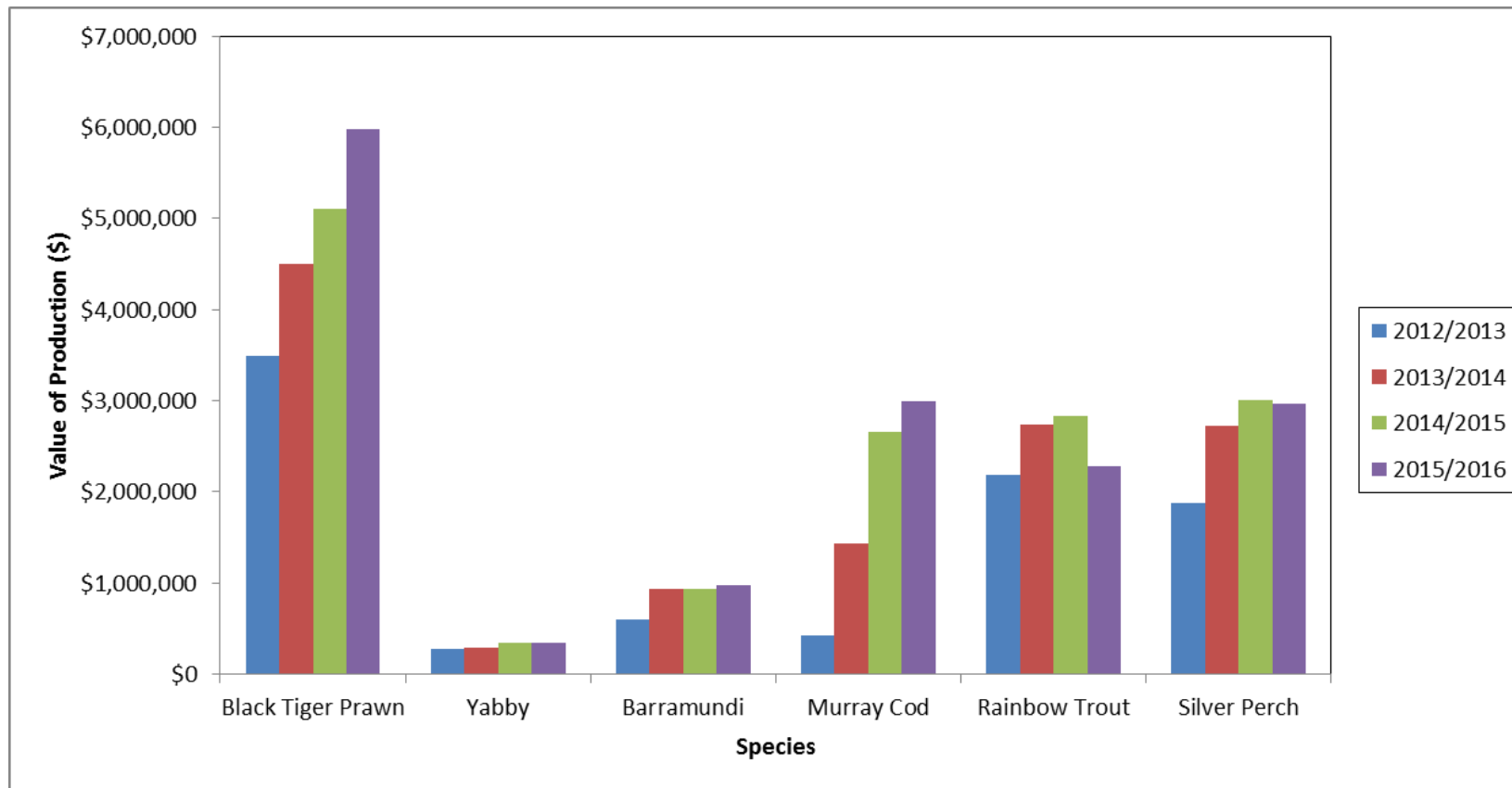


Table 3: Commercial Hatchery Production 2015/2016

Grouping	Common Name	Scientific Name	Production (individuals)	Average Price per Production Unit	Value (\$)
Aquarium Species	Aquarium Species		**	**	\$207,372
	Koi Carp	<i>Cyprinus carpio</i>	127,868	\$2.09	\$266,908
Subtotal					\$474,280
Freshwater Fish	Australian Bass	<i>Macquaria novemaculeata</i>	583,243	\$0.59	\$342,648
	Eel Tailed Catfish	<i>Tandanus tandanus</i>	1,400	\$2.75	\$3,850
	Golden Perch	<i>Macquaria ambigua</i>	1,963,402	\$0.32	\$629,439
	Murray Cod	<i>Maccullochella peelii</i>	2,426,474	\$0.56	\$1,361,050
	Rainbow Trout	<i>Oncorhynchus mykiss</i>	57,220	\$0.94	\$53,609
	Silver Perch	<i>Bidyanus bidyanus</i>	410,107	\$0.62	\$255,339
Subtotal					\$2,645,935
Others*					\$460,374
Total Value (\$)					\$3,580,589

* Not available for confidentiality reasons (≤ 5 hatcheries authorised to cultivate species). Species include: Estuary Perch (*Macquaria colonorum*), Brown Trout (*Salmo trutta*), Mulloway (*Argyrosomus japonicus*), Native Oyster (*Ostrea angasi*), Sydney Rock Oyster (*Saccostrea glomerata*) & Pacific Oyster (*Crassostrea gigas*).

** Quantity and average price not recorded due to range of species.

Table 4: Sydney Rock Oyster Production by Estuary and Grade 2015/2016

Estuary	Large Grade (> 70mm total length or > 50g whole weight)		Medium Grade (55 - 70mm total length or 30 - 50g whole weight)		Small Grade (< 55mm total length or < 30g whole weight)		Total	
	Dozens	Value (\$)	Dozens	Value (\$)	Dozens	Value (\$)	Dozens	Value (\$)
Nambucca River	16,112	\$153,064	33,093	\$244,557	54,047	\$285,909	103,252	\$683,530
Macleay River	7,628	\$72,466	14,332	\$105,913	14,345	\$75,885	36,305	\$254,265
Hastings River	58,414	\$554,933	122,156	\$902,733	118,929	\$629,134	299,499	\$2,086,800
Camden Haven	47,941	\$455,440	51,417	\$379,972	170,118	\$899,924	269,476	\$1,735,335
Manning River	23,669	\$224,856	65,154	\$481,488	51,609	\$273,012	140,432	\$979,355
Wallis Lake	218,715	\$2,077,793	490,031	\$3,621,329	842,330	\$4,455,926	1,551,076	\$10,155,047
Port Stephens	317,894	\$3,019,993	215,739	\$1,594,311	236,110	\$1,249,022	769,743	\$5,863,326
Brisbane Water	700	\$6,650	14,170	\$104,716	51,789	\$273,964	66,659	\$385,330
Hawkesbury River	27,736	\$263,492	11,112	\$82,118	16,258	\$86,005	55,106	\$431,615
Crookhaven River	37,695	\$358,103	96,624	\$714,051	58,752	\$310,798	193,071	\$1,382,952
Clyde River	80,416	\$763,952	186,784	\$1,380,334	161,210	\$852,801	428,410	\$2,997,087
Tuross Lake	18,377	\$174,582	23,445	\$173,259	5,678	\$30,037	47,500	\$377,877
Wagonga Inlet	37,872	\$359,784	73,577	\$543,734	120,084	\$635,244	231,533	\$1,538,762
Wapengo Lake	23,714	\$225,283	44,415	\$328,227	41,234	\$218,128	109,363	\$771,638
Merimbula Lake	113,202	\$1,075,419	191,865	\$1,417,882	123,983	\$655,870	429,050	\$3,149,171
Pambula River	54,866	\$521,227	131,045	\$968,423	50,261	\$265,881	236,172	\$1,755,530
Wonboyn River	31,470	\$298,965	53,129	\$392,623	34,616	\$183,119	119,215	\$874,707
Others*	78,777	\$748,382	59,222	\$437,651	50,058	\$264,807	188,057	\$1,450,839
Total	1,195,198	\$11,354,381	1,877,310	\$13,873,321	2,201,411	\$11,645,464	5,273,919	\$36,873,166

* Not available for confidentiality reasons (≤ 5 current permit holders in the estuary). Others include: Bega River, Bellinger River, Bermagui River, Botany Bay, Clarence River, Nelson Lagoon, Patonga Creek, Richmond River, Shoalhaven River, Tweed River, Woolli Woolli River.

Table 5: Sydney Rock Oyster Production – 2012/13, 2013/14, 2014/15 & 2015/16 by Estuary and Grade

Estuary	Large Grade (> 70mm total length or > 50g whole weight)				Medium Grade (55 - 70mm total length or 30 - 50g whole weight)				Small Grade (< 55mm total length or < 30g whole weight)				Total Dozens			
	2012/13	2013/14	2014/15	2015/16	2012/13	2013/14	2014/15	2015/16	2012/13	2013/14	2014/15	2015/16	2012/13	2013/14	2014/15	2015/16
Nambucca River	22,565	18,415	9,162	16,112	31,238	42,916	17,284	33,093	60,794	87,635	10,405	54,047	114,597	148,966	36,851	103,252
Macleay River	3,022	4,238	6,611	7,628	7,012	6,711	11,161	14,332	18,924	21,845	12,534	14,345	28,958	32,794	30,306	36,305
Hastings River	26,674	29,038	34,331	58,414	70,386	160,479	114,150	122,156	85,641	42,834	121,605	118,929	182,701	232,351	270,086	299,499
Camden Haven	36,172	76,133	67,160	47,941	26,905	61,684	66,874	51,417	70,837	64,783	303,028	170,118	133,914	202,600	437,062	269,476
Manning River	17,375	25,006	27,381	23,669	45,879	24,333	26,125	65,154	60,654	25,248	54,402	51,609	123,908	74,587	107,908	140,432
Wallis Lake	168,060	161,918	192,157	218,715	543,943	456,442	375,189	490,031	627,404	608,168	710,806	842,330	1,339,407	1,226,528	1,278,152	1,551,076
Port Stephens	286,344	227,190	343,074	317,894	181,741	201,335	203,158	215,739	104,347	189,441	207,489	236,110	572,432	617,966	753,721	769,743
Brisbane Water	7,069	6,800	10,768	700	25,302	23,636	30,053	14,170	114,712	58,999	17,181	51,789	147,083	89,435	58,002	66,659
Hawkesbury River	3,424	7,087	9,755	27,736	588	10,064	8,340	11,112	0	9,390	15,808	16,258	4,012	26,541	33,903	55,106
Crookhaven River	11,082	36,288	42,091	37,695	110,022	105,266	97,842	96,624	67,762	75,865	86,668	58,752	188,866	217,419	226,601	193,071
Clyde River	86,668	92,166	79,726	80,416	206,602	243,925	213,172	186,784	376,211	290,950	178,690	161,210	669,481	627,041	471,588	428,410
Tuross Lake	22,696	25,897	19,453	18,377	27,278	36,727	33,319	23,445	3,230	6,025	5,935	5,678	53,204	68,649	58,707	47,500
Wagonga Inlet	39,373	51,730	52,379	37,872	58,813	82,457	113,217	73,577	110,181	119,544	171,955	120,084	208,367	253,731	337,551	231,533
Wapengo Lake	9,442	11,933	22,916	23,714	39,338	44,050	66,614	44,415	20,745	20,945	20,075	41,234	69,525	76,928	109,605	109,363
Merimbula Lake	53,869	61,117	55,643	113,202	142,903	172,214	202,356	191,865	115,201	132,464	156,970	123,983	311,973	365,795	414,969	429,050
Pambula River	61,137	63,835	76,132	54,866	84,541	116,085	136,549	131,045	138,425	36,605	56,096	50,261	284,103	216,525	268,777	236,172
Wonboyn River	23,587	20,888	23,844	31,470	30,431	26,955	29,793	53,129	24,354	31,176	35,629	34,616	78,372	79,019	89,266	119,215
Others*	58,639	99,204	63,020	78,777	54,316	70,172	39,972	59,222	51,912	60,551	66,917	50,058	164,867	229,927	169,909	188,057
Total	937,198	1,018,883	1,135,603	1,195,198	1,687,238	1,885,451	1,785,168	1,877,310	2,051,334	1,882,468	2,232,193	2,201,411	4,675,770	4,786,802	5,152,964	5,273,919

* Not available for confidentiality reasons (≤ 5 current permit holders in the estuary). Others include: Bega River, Bellinger River, Bermagui River, Botany Bay, Clarence River, Nelson Lagoon, Patonga Creek, Richmond River, Shoalhaven River, Tweed River, Wooli Wooli River.

Table 6: Pacific Oyster Production - 2012/2013, 2013/2014, 2014/2015 & 2015/16 by Estuary and Grade**

Estuary	Large Grade (> 85mm total length or > 70g whole weight)				Medium Grade (70 - 85mm total length or 35 - 70g whole weight)				Small Grade (< 70mm total length or < 35g whole weight)				Total Dozens			
	2012/13	2013/14	2014/15	2015/16	2012/13	2013/14	2014/15	2015/16	2012/13	2013/14	2014/15	2015/16	2012/13	2013/14	2014/15	2015/16
Wallis Lake	415	9,830	1,050	0	1,231	11,262	1,910	0	7,275	4,757	840	0	8,921	25,849	3,800	0
Port Stephens	119,834	43,915	11,147	32,100	49,581	34,695	17,371	44,875	39,231	22,904	15,326	21,279	208,646	101,514	43,844	98,254
Hawkesbury River	24,193	6,851	2,697	1,000	113,091	9,789	158	3,675	48,809	4,581	0	70	186,093	21,221	2,855	4,745
Crookhaven River	2,452	20,436	83,597	53,617	14,050	23,736	36,369	56,611	17,480	24,104	21,612	24,946	33,982	68,276	141,578	135,174
Clyde River	0	4,746	81,887	140,388	5,000	10,675	49,781	49,051	10,000	5,300	24,600	8,896	15,000	20,721	156,268	198,335
Others*	2,731	7,935	9,134	14,470	1,007	7,787	11,492	11,683	14,664	1,910	3,964	5,633	18,402	17,632	24,590	31,786
Total	149,625	93,713	189,512	241,575	183,960	97,944	117,081	165,895	137,459	63,556	66,342	60,824	471,044	255,213	372,935	468,294

* Not available for confidentiality reasons (≤ 5 current permit holders in the estuary). Others include: Botany Bay, Georges River, Patonga Creek, Shoalhaven River & Wapengo Lake.

** Includes Diploid & Triploid Pacific Oyster production.

Table 7: Oyster Spat Production* by Spat Source for 2015/2016

Type of Cultivation	Large Spat (\$)	Medium Spat (\$)	Small Spat (\$)	Total Value (\$)
Hatchery Nursery Stock	\$28,071	\$30,924	\$55,272	\$114,267
Wild Caught Stock	\$1,072,848	\$272,515	\$86,930	\$1,432,293
Total	\$1,100,919	\$303,439	\$142,202	\$1,546,560

* Includes figures for Sydney Rock Oyster, Pacific Oyster & Native Oyster.

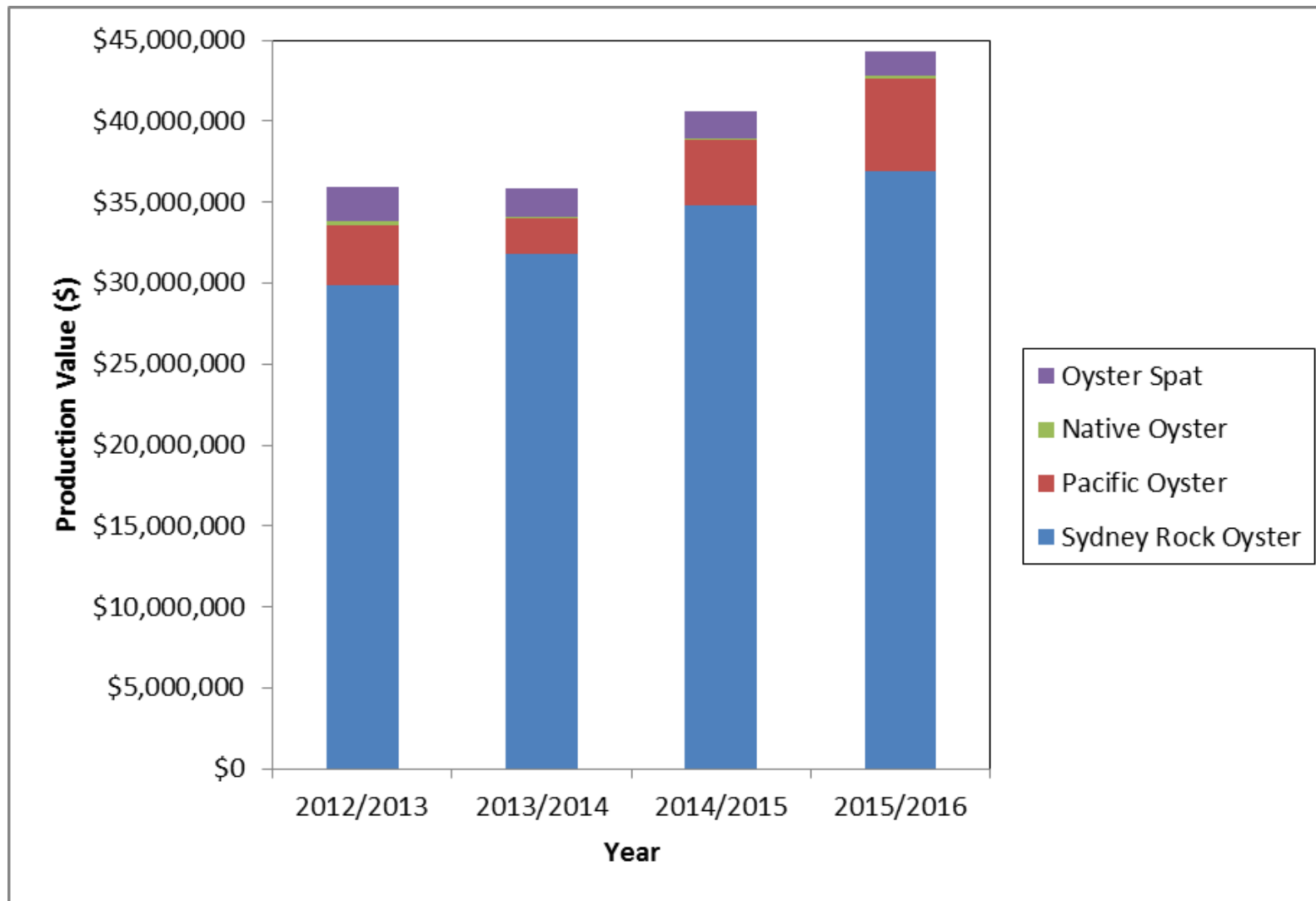
Figure B: Comparison of Oyster Aquaculture Production by Species and Year

Table 8: Total Oyster Production by Permit Holder for 2015/2016

Production Range	Nil Production	1 - 5,000 Dozen	5,001 - 20,000 Dozen	20,001 - 35,000 Dozen	35,001 - 50,000 Dozen	> 50,001 Dozen	Total
Percentage of Permit Holders	19%	18%	37%	12%	5%	9%	100%
Number of Permit Holders*	53	50	103	32	15	25	278
Quantity Produced (dozens)		109,612	1,189,857	833,338	639,669	2,978,332	5,750,808
Percentage of Production (dozens)		2%	21%	14%	11%	52%	100%
Total Value (\$)		\$841,894	\$9,013,009	\$6,481,404	\$5,025,665	\$21,411,925	\$42,773,896

* Does not include the Class A permit holders who did not submit a production return for 2015/2016. Does not include oyster spat production.

Table 9: Average Reported Farm Gate Price for 2015/2016 by Species and Grade

Grade	Sydney Rock Oyster <i>average price per dozen</i>	Pacific Oyster <i>average price per dozen</i>	Triploid Pacific Oyster <i>average price per dozen</i>	Native Oyster <i>average price per dozen</i>
Large	\$9.50	\$10.16	\$15.93	\$11.00
Medium	\$7.39	\$7.89	\$10.83	\$13.75
Small	\$5.29	\$5.73	\$8.82	

Figure C: Percentage of Class A Permit Holders by Production Group

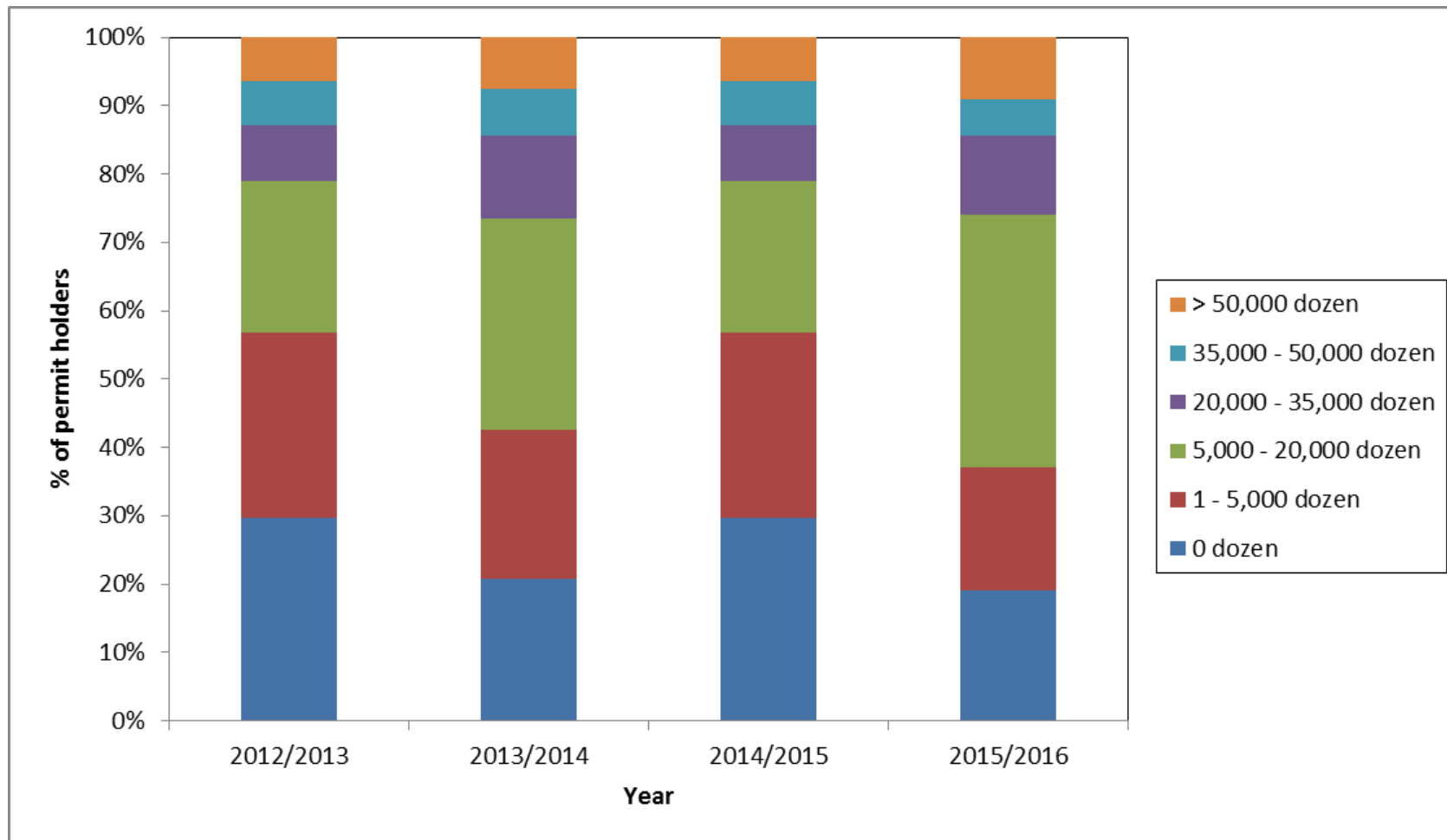


Table 10: Average Farm Gate Price by Estuary & Species

Estuary*	Species	Large Grade	Medium Grade	Small Grade
Nambucca River	Sydney Rock Oyster	\$10.08	\$8.03	\$5.90
Macleay River	Sydney Rock Oyster	\$8.62	\$6.36	\$5.06
Hastings River	Sydney Rock Oyster	\$9.00	\$7.02	\$5.29
Camden Haven	Sydney Rock Oyster	\$8.94	\$6.94	\$4.75
Manning River	Sydney Rock Oyster	\$8.93	\$6.86	\$5.05
Wallis Lake	Sydney Rock Oyster	\$8.64	\$6.39	\$4.13
Port Stephens	Sydney Rock Oyster	\$9.11	\$7.36	\$5.11
	Pacific Oyster	\$10.16	\$7.89	\$5.73
Brisbane Water	Sydney Rock Oyster	\$12.00	\$8.34	\$6.36
Hawkesbury River	Sydney Rock Oyster	\$9.33	\$7.50	\$5.35
	Triploid Pacific Oyster	\$16.00	\$11.00	\$10.00
Crookhaven River	Sydney Rock Oyster	\$9.00	\$6.40	\$4.38
	Triploid Pacific Oyster	\$12.25	\$9.06	\$8.03
Clyde River	Sydney Rock Oyster	\$11.04	\$8.02	\$5.74
	Triploid Pacific Oyster	\$17.21	\$11.72	\$10.13
Tuross Lake	Sydney Rock Oyster	\$9.23	\$6.81	\$4.93
Wagonga Inlet	Sydney Rock Oyster	\$9.53	\$7.16	\$5.23
Wapengo Lake	Sydney Rock Oyster	\$9.94	\$7.94	\$6.17
	Triploid Pacific Oyster	\$19.00	\$12.50	\$9.50
Merimbula Lake	Sydney Rock Oyster	\$9.25	\$7.27	\$5.58
Pambula River	Sydney Rock Oyster	\$9.21	\$7.11	\$5.23
Wonboyn River	Sydney Rock Oyster	\$9.16	\$7.22	\$4.82

* Average farm gate price not recorded for estuaries with ≤ 5 permit holders.

Size grade

Sydney Rock Oyster

Large Grade (> 70mm total length or > 50g whole weight)
 Medium Grade (55 - 70mm total length or 30 - 50g whole weight)
 Small Grade (< 55mm total length or < 30g whole weight)

Pacific Oyster

Large Grade (> 85mm total length or > 70g whole weight)
 Medium Grade (70 - 85mm total length or 35 - 70g whole weight)
 Small Grade (< 70mm total length or < 35g whole weight)