

Aquaculture Production Report 2012-2013



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Disclaimer

Information presented in this publication is presented as a general representation of aquaculture production in NSW for the reporting period 1 July 2012 to 30 June 2013. 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.

This information should not be used in the development of business plans, investment proposals or other applications unless professional advice is sought.

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Land based production

Table 1: Snapshot of aquaculture production for 2012/2013

Grouping	Common Name	Scientific Name	No. Farms with Permits for this Species	No. Farms Producing this Species	Commercial Production Area (ha)	Production (kg)	Average Price per kg (\$)	Total Value (\$)
Crustaceans	Black Tiger Prawn	<i>Penaeus monodon</i>	10	N/A	90.95	222,699	\$15.64	\$3,484,000
	Yabby	<i>Cherax destructor</i>	73	16	276.57**	3,672	\$21.01	\$77,153
	Yabby (bait)	<i>Cherax destructor</i>						\$197,768
Freshwater fish	Barramundi	<i>Lates calcarifer</i>	7	N/A	0.15	50,020	\$12.01	\$600,600
	Golden Perch	<i>Macquaria ambigua</i>	61	N/A	0.1	240	\$8.75	\$2,100
	Murray Cod	<i>Maccullochella peelii</i>	37	N/A	1.38	18,511	\$23.02	\$426,037
	Rainbow Trout	<i>Oncorhynchus mykiss</i>	22	N/A	9.35	197,628	\$11.07	\$2,188,533
	Silver Perch	<i>Bidyanus bidyanus</i>	76	20	35.2	148,833	\$12.62	\$1,878,537
Marine fish	Mulloway	<i>Argyrosomus japonicus</i>	16	N/A	12.0	58,936	\$10.59	\$623,841
Sub total								\$9,478,569
Hatchery	Hatchery (species)	(see hatchery production table)						\$2,943,394
Mollusc - oysters	Sydney Rock Oyster	<i>Saccostrea glomerata</i> (see oyster production tables)						\$29,883,243
	Pacific Oyster	<i>Crassostrea gigas</i> (see oyster production tables)						\$1,507,226
	Triploid Pacific Oyster	<i>Crassostrea gigas</i> (see oyster production tables)						\$2,190,573
	Flat Oysters	<i>Ostrea angasi</i>						\$263,116
	Oyster Spat	(see oyster production tables)						\$2,063,274
*Others								\$1,805,115
Total \$ Value								\$50,134,510

N/A = not available due to confidentiality, e.g. < 5 farms producing the species.

*Others = due to confidentiality figures are included under this category. Species include Blue Mussel (*Mytilus galloprovincialis*), Australian Paratya (*Paratya australiensis*), Longfin Eel (*Anguilla reinhardtii*), Tube Worm (*Diopatra aciculata*), Freshwater Shrimp (*Atyidae* sp.), Floodplain Mussel (*Velesunio ambiguus*) and Pearls (*Pinctada imbricata*).

**Includes Commercial Production Area Class E (multi site) aquaculture permits.

Note that the "Average Price per kg (\$)" has been rounded to nearest cent.

Table 2: Fish, crustacean and mollusc production 2012/2013

Grouping	Common Name	Scientific Name	No. Farms with Permits for this Species	No. Farms Producing this Species	Commercial Production Area (ha)	Production (kg)	Average Price per kg (\$)	Total Value (\$)
Crustaceans	Black Tiger Prawn	<i>Penaeus monodon</i>	10	N/A	90.95	222,699	\$15.64	\$3,484,000
	Yabby	<i>Cherax destructor</i>	73	16	276.57**	3,672	\$21.01	\$77,153
	Yabby (bait)	<i>Cherax destructor</i>						\$197,768
Freshwater fish	Barramundi	<i>Lates calcarifer</i>	7	N/A	0.15	50,020	\$12.01	\$600,600
	Golden Perch	<i>Macquaria ambigua</i>	61	N/A	0.1	240	\$8.75	\$2,100
	Murray Cod	<i>Maccullochella peelii</i>	37	N/A	1.38	18,511	\$23.02	\$426,037
	Rainbow	<i>Oncorhynchus</i>	22	N/A	9.35	197,628	\$11.07	\$2,188,533
	Silver Perch	<i>Bidyanus bidyanus</i>	76	20	35.2	148,833	\$12.62	\$1,878,537
Marine fish	Mulloway	<i>Argyrosomus japonicus</i>	16	N/A	12.0	58,936	\$10.59	\$623,841
*Others								\$1,767,115
Total \$ Value								\$11,245,684

N/A = not available due to confidentiality, e.g. < = 5 farms producing the species.

*Others = due to confidentiality figures are included under this category. Species include Blue Mussel (*Mytilus galloprovincialis*), Australian Paratya (*Paratya australiensis*), Longfin Eel (*Anguilla reinhardtii*), Tube Worm (*Diopatra aciculata*), Freshwater Shrimp (*Atyidae sp.*) & Floodplain Mussel (*Velesunio ambiguus*).

**Includes Commercial Production Area Class E (multi site) aquaculture permits.

Note that the "Average Price per kg (\$)" has been rounded to the nearest cent.

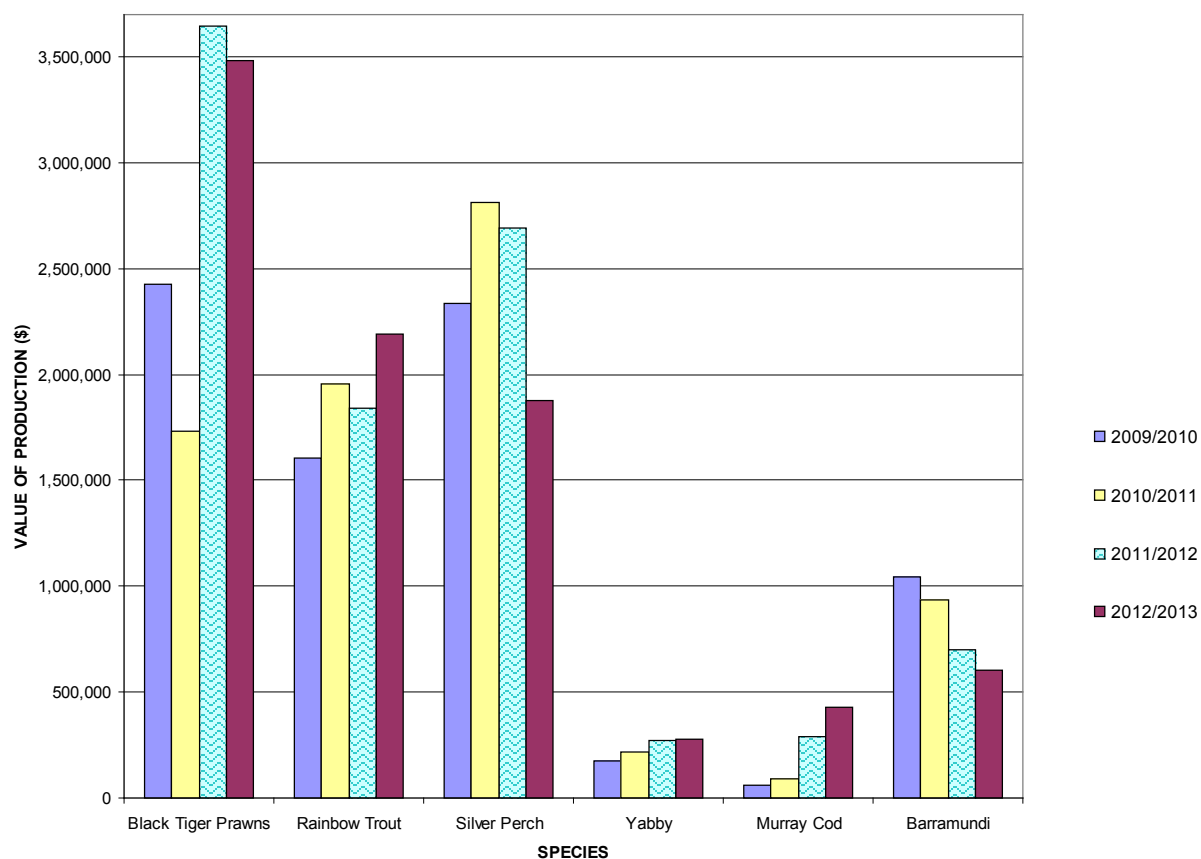
Figure A: Comparative graph of non-oyster aquaculture production

Table 3: Commercial hatchery production 2012/2013

Grouping	Common Name	Scientific Name	Number of Permits	Hatcheries Producing	Product Description	Quantity	Average Price per Unit (\$)	Total Value (\$)
Aquarium Species	Aquarium species	<i>Various species</i>			Juvenile	**	**	\$49,640
	Goldfish	<i>Carassius auratus</i>	7	N/A	Juvenile	152,914	\$0.77	\$117,189
	Koi Carp	<i>Cyprinus carpio</i>	8	6	Juvenile	140,325	\$1.34	\$187,906
Freshwater fish	Eel Tailed Catfish	<i>Tandanus tandanus</i>	16	N/A	Juvenile	12,257	\$2.06	\$25,264
	Golden Perch	<i>Macquaria ambigua</i>	31	8	Juvenile	1,812,089	\$0.29	\$529,122
	Murray Cod	<i>Maccullochella peelii</i>	18	6	Juvenile	2,119,470	\$0.60	\$1,275,815
	Murray Cod	<i>Maccullochella peelii</i>		N/A	Fish Fingerlings	180,000	\$0.20	\$36,000
	Australian Bass	<i>Macquaria novemaculeata</i>	13	N/A	Juvenile	203,547	\$0.88	\$179,327
	Australian Bass	<i>Macquaria novemaculeata</i>		N/A	Fish Fry	1,000	\$1.00	\$1,000
	Rainbow Trout	<i>Oncorhynchus mykiss</i>	9	N/A	Juvenile	23,650	\$1.13	\$26,682
	Silver Perch	<i>Bidyanus bidyanus</i>	32	9	Juvenile	1,072,345	\$0.26	\$281,334
	Brown Trout	<i>Salmo trutta</i>	6	N/A	Juvenile	2,230	\$1.95	\$4,341
	Yabby	<i>Cherax destructor</i>	6	N/A	Juvenile	42,290	\$0.47	\$19,912
Marine fish	Mulloway	<i>Argyrosomus japonicus</i>	9	N/A	Juvenile	81,400	\$0.50	\$40,612
*Others								\$169,250
Total Value								\$2,943,394

N/A = not available due to confidentiality, e.g. < 5 hatcheries producing the species.

*Others = due to confidentiality figures are included under this category. Species include: Black Tiger Prawn (*Penaeus monodon*), Estuary Perch (*Macquaria colonorum*) and Sea Mullet (*Mugil cephalus*). Excludes oyster hatchery production (refer to Tables 16 & 17).

**Quantity and average price not recorded due to the range of species. Note that the "Average Price per Unit (\$)" has been rounded to the nearest cent.

Oyster production

Table 4: Sydney Rock Oyster production – 2009/2010, 2010/2011, 2011/2012, 2012/2013 by estuary

Estuary	Plate Grade Dozens				Bistro Grade Dozens				Bottle Grade Dozens				Total Dozens			
	09/10	10/11	11/12	12/13	09/10	10/11	11/12	12/13	09/10	10/11	11/12	12/13	09/10	10/11	11/12	12/13
Nambucca River	22,878	37,457	19,756	22,565	62,337	69,349	31,163	31,238	38,881	35,715	41,439	60,794	124,096	142,521	92,358	114,597
Macleay River	17,997	3,836	3,178	3,022	37,103	8,699	5,398	7,012	54,423	14,777	14,001	18,924	109,523	27,312	22,577	28,958
Hastings River	44,079	35,204	27,455	26,674	105,893	87,363	71,132	70,386	121,854	139,007	105,588	85,641	271,826	261,574	204,175	182,701
Camden Haven	76,846	72,701	46,794	36,172	57,090	68,810	35,380	26,905	42,700	98,354	46,426	70,837	176,636	239,865	128,600	133,914
Manning River	25,098	7,595	27,090	17,375	24,553	9,636	43,460	45,879	28,870	9,934	75,425	60,654	78,521	27,165	145,975	123,908
Wallis Lake	282,597	242,399	190,157	168,060	508,568	558,465	428,704	543,943	1,183,675	985,800	711,842	627,404	1,974,840	1,786,664	1,330,703	1,339,407
Port Stephens	426,337	310,949	314,194	286,344	294,368	237,396	206,528	181,741	307,989	162,167	144,252	104,347	1,028,694	710,512	664,974	572,432
Brisbane Water	84,928	38,935	28,484	7,069	87,795	52,167	59,948	25,302	150,476	99,680	113,038	114,712	323,199	190,782	201,470	147,083
Hawkesbury River	3,926	3,428	274	3,424	2,724	3,327	1,398	588	0	0	0	0	6,650	6,755	1,672	4,012
Crookhaven River	23,075	16,356	41,439	11,082	32,364	19,465	49,307	110,022	37,134	21,830	80,805	67,762	92,573	57,651	145,831	188,866
Clyde River	110,031	99,185	14,001	86,668	229,164	225,398	200,202	206,602	270,793	381,945	304,247	376,211	609,988	706,528	590,521	669,481
Tuross Lake	17,985	17,426	105,588	22,696	18,134	8,872	18,347	27,278	10,537	2,120	2,771	3,230	46,656	28,418	36,657	53,204
Wagonga Inlet	35,444	39,843	46,426	39,373	45,653	61,031	65,377	58,813	108,906	112,974	117,175	110,181	190,003	213,848	225,194	208,367
Wapengo Lake	11,734	13,482	9,156	9,442	39,380	27,183	37,054	39,338	24,520	10,742	22,008	20,745	75,634	51,407	68,218	69,525
Merimbula Lake	44,665	49,418	54,109	53,869	82,578	125,274	101,786	142,903	41,550	100,038	102,151	115,201	168,793	274,730	258,046	311,973
Pambula River	47,323	68,013	63,926	61,137	55,706	71,663	66,915	84,541	112,348	114,017	103,761	138,425	215,377	253,693	234,602	284,103
Wonboyn River	24,746	33,763	22,932	23,587	15,616	22,287	18,296	30,431	11,138	8,482	11,712	24,354	51,500	64,532	52,940	78,372
*Others	126,974	67,038	38,583	58,639	65,923	49,567	50,657	54,316	75,528	82,672	65,120	51,912	268,425	199,277	154,360	164,867
Totals	1,426,663	1,157,028	1,006,060	937,198	1,764,949	1,705,952	1,491,052	1,687,238	2,621,322	2,380,254	2,061,761	2,051,334	5,812,934	5,243,234	4,558,873	4,675,770

*Others = due to confidentiality figures are included under this category. Includes: Tweed River, Richmond River, Clarence River, Woolli Woolli River, Bellinger River, Botany Bay, Shoalhaven River, Bermagui River, Nelson Lagoon & Bega River.

Table 5: Sydney Rock Oyster sales by estuary and production method

Estuary	Type of Cultivation	Plate Grade (Bags)	Plate Grade (Dozens)	Value (\$)	Bistro Grade (Bags)	Bistro Grade (Dozens)	Value (\$)	Bottle Grade (Bags)	Bottle Grade (Dozens)	Value (\$)	Total Bags	Total Dozens	Total Value (\$)
Nambucca River	Raft/Pontoon	215	21,487	\$189,730	251	27,591	\$190,654	467	60,668	\$294,240	932	109,746	\$674,624
	Tray	11	1,078	\$9,519	33	3,647	\$25,201	1	126	\$611	45	4,851	\$35,331
Estuary Total		226	22,565	\$199,249	284	31,238	\$215,855	468	60,794	\$294,851	977	114,597	\$709,954
Macleay River	Baskets	6	582	\$5,139	10	1,117	\$7,718	51	6,584	\$31,932	67	8,283	\$44,790
	Raft/Pontoon	6	550	\$4,857	6	680	\$4,699	0	0	\$0	12	1,230	\$9,555
	Tray	19	1,890	\$16,689	47	5,215	\$36,036	95	12,340	\$59,849	161	19,445	\$112,573
Estuary Total		30	3,022	\$26,684	64	7,012	\$48,453	146	18,924	\$91,781	240	28,958	\$166,919
Hastings River	Baskets	61	6,087	\$53,748	144	15,838	\$109,441	227	29,451	\$142,837	431	51,376	\$306,026
	Long-line	31	3,100	\$27,373	53	5,830	\$40,285	8	1,080	\$5,238	92	10,010	\$72,896
	Raft/Pontoon	78	7,800	\$68,874	179	19,690	\$136,058	292	37,900	\$183,815	549	65,390	\$388,747
	Tray	97	9,687	\$85,536	264	29,028	\$200,583	132	17,210	\$83,469	493	55,925	\$369,588
Estuary Total		267	26,674	\$235,531	640	70,386	\$486,367	659	85,641	\$415,359	1,565	182,701	\$1,137,258
Camden Haven	Raft/Pontoon	228	22,812	\$201,430	180	19,785	\$136,714	521	67,747	\$328,573	929	110,344	\$666,717
	Tray	134	13,360	\$117,969	65	7,120	\$49,199	24	3,090	\$14,987	222	23,570	\$182,155
Estuary Total		362	36,172	\$319,399	245	26,905	\$185,914	545	70,837	\$343,559	1,151	133,914	\$848,872
Manning River	Floating	40	4,000	\$35,320	69	7,550	\$52,171	38	4,940	\$23,959	147	16,490	\$111,450
	Long-line	8	840	\$7,417	10	1,100	\$7,601	6	770	\$3,735	24	2,710	\$18,753
	Raft/Pontoon	0	0	\$0	0	0	\$0	3	392	\$1,901	3	392	\$1,901
	Tray	125	12,535	\$110,684	338	37,229	\$257,252	420	54,552	\$264,577	883	104,316	\$632,514
Estuary Total		174	17,375	\$153,421	417	45,879	\$317,024	467	60,654	\$294,172	1,057	123,908	\$764,617
Wallis Lake	Baskets	5	450	\$3,974	20	2,250	\$15,548	21	2,700	\$13,095	46	5,400	\$32,616

Estuary	Type of Cultivation	Plate Grade (Bags)	Plate Grade (Dozens)	Value (\$)	Bistro Grade (Bags)	Bistro Grade (Dozens)	Value (\$)	Bottle Grade (Bags)	Bottle Grade (Dozens)	Value (\$)	Total Bags	Total Dozens	Total Value (\$)
	Raft/Pontoon	80	8,000	\$70,640	86	9,500	\$65,645	19	2,500	\$12,125	186	20,000	\$148,410
	Stick	299	29,890	\$263,929	635	69,840	\$482,594	306	39,755	\$192,812	1,240	139,485	\$939,335
	Tray	1,297	129,720	\$1,145,428	4,203	462,353	\$3,194,859	4,480	582,449	\$2,824,878	9,981	1,174,522	\$7,165,164
Estuary Total		1,681	168,060	\$1,483,970	4,945	543,943	\$3,758,646	4,826	627,404	\$3,042,909	11,452	1,339,407	\$8,285,525
Port Stephens	Baskets	130	13,000	\$114,790	18	2,000	\$13,820	17	2,200	\$10,670	165	17,200	\$139,280
	Long-line	106	10,621	\$93,783	130	14,306	\$98,854	10	1,248	\$6,053	246	26,175	\$198,691
	Stick	20	2,000	\$17,660	73	8,000	\$55,280	77	10,000	\$48,500	170	20,000	\$121,440
	Tray	2,607	260,723	\$2,302,184	1,431	157,435	\$1,087,876	699	90,899	\$440,860	4,738	509,057	\$3,830,920
Estuary Total		2,863	286,344	\$2,528,418	1,652	181,741	\$1,255,830	803	104,347	\$506,083	5,318	572,432	\$4,290,331
Brisbane Water	Baskets	0	0	\$0	0	0	\$0	62	8,000	\$38,800	62	8,000	\$38,800
	Floating	0	0	\$0	0	0	\$0	62	8,000	\$38,800	62	8,000	\$38,800
	Long-line	2	150	\$1,325	31	3,408	\$23,549	148	19,200	\$93,120	180	22,758	\$117,994
	Raft/Pontoon	0	0	\$0	8	880	\$6,081	1	99	\$480	9	979	\$6,561
	Tray	69	6,919	\$61,095	191	21,014	\$145,207	611	79,413	\$385,153	871	107,346	\$591,455
Estuary Total		71	7,069	\$62,419	230	25,302	\$174,837	882	114,712	\$556,353	1,183	147,083	\$793,609
Hawkesbury River	Baskets	34	3,424	\$30,234	5	588	\$4,063	0	0	\$0	40	4,012	\$34,297
Estuary Total		34	3,424	\$30,234	5	588	\$4,063	0	0	\$0	40	4,012	\$34,297
Crookhaven River	Baskets	95	9,482	\$83,726	909	100,033	\$691,228	368	47,835	\$232,000	1,372	157,350	\$1,006,954
	Long-line	0	0	\$0	18	2,000	\$13,820	62	8,000	\$38,800	80	10,000	\$52,620
	Tray	16	1,600	\$14,128	73	7,989	\$55,204	92	11,927	\$57,846	180	21,516	\$127,178
Estuary Total		111	11,082	\$97,854	1,000	110,022	\$760,252	521	67,762	\$328,646	1,632	188,866	\$1,186,752
Clyde River	Baskets	146	14,579	\$128,733	343	37,756	\$260,894	692	89,924	\$436,131	1,181	142,259	\$825,758

Estuary	Type of Cultivation	Plate Grade (Bags)	Plate Grade (Dozens)	Value (\$)	Bistro Grade (Bags)	Bistro Grade (Dozens)	Value (\$)	Bottle Grade (Bags)	Bottle Grade (Dozens)	Value (\$)	Total Bags	Total Dozens	Total Value (\$)
	Floating	5	465	\$4,106	32	3,468	\$23,964	0	0	\$0	36	3,933	\$28,070
	Raft/Pontoon	45	4,500	\$39,735	72	7,900	\$54,589	110	14,300	\$69,355	227	26,700	\$163,679
	Stick	40	4,000	\$35,320	66	7,233	\$49,980	110	14,300	\$69,355	216	25,533	\$154,655
	Tray	631	63,124	\$557,385	1,366	150,245	\$1,038,193	1,982	257,687	\$1,249,782	3,979	471,056	\$2,845,360
Estuary Total		867	86,668	\$765,278	1,878	206,602	\$1,427,620	2,894	376,211	\$1,824,623	5,639	669,481	\$4,017,522
Tuross Lake	Baskets	103	10,326	\$91,179	106	11,621	\$80,301	18	2,400	\$11,640	227	24,347	\$183,120
	Slats	0	0	\$0	3	300	\$2,073	3	350	\$1,698	5	650	\$3,771
	Stick	4	400	\$3,532	0	0	\$0	0	0	\$0	4	400	\$3,532
	Tray	120	11,970	\$105,695	140	15,357	\$106,117	4	480	\$2,328	263	27,807	\$214,140
Estuary Total		227	22,696	\$200,406	248	27,278	\$188,491	25	3,230	\$15,666	500	53,204	\$404,562
Wagonga Inlet	Baskets	41	4,138	\$36,539	126	13,896	\$96,021	29	3,801	\$18,435	197	21,835	\$150,995
	Tray	352	35,235	\$311,125	408	44,917	\$310,376	818	106,380	\$515,943	1,579	186,532	\$1,137,445
Estuary Total		394	39,373	\$347,664	535	58,813	\$406,398	848	110,181	\$534,378	1,776	208,367	\$1,288,439
Wapengo Lake	Baskets	25	2,511	\$22,172	105	11,568	\$79,935	79	10,261	\$49,766	209	24,340	\$151,873
	Floating	1	100	\$883	3	380	\$2,626	3	400	\$1,940	8	880	\$5,449
	Long-line	15	1,534	\$13,545	112	12,339	\$85,262	22	2,863	\$13,886	150	16,736	\$112,693
	Tray	53	5,297	\$46,773	137	15,051	\$104,002	56	7,221	\$35,022	245	27,569	\$185,797
Estuary Total		94	9,442	\$83,373	358	39,338	\$271,826	160	20,745	\$100,613	612	69,525	\$455,812
Merimbula Lake	Baskets	294	29,373	\$259,364	572	62,894	\$434,598	409	53,169	\$257,870	1,274	145,436	\$951,831
	Floating	78	7,754	\$68,468	101	11,086	\$76,604	201	26,142	\$126,789	379	44,982	\$271,861
	Long-line	31	3,087	\$27,258	213	23,395	\$161,659	164	21,310	\$103,354	407	47,792	\$292,271
	Tray	137	13,655	\$120,574	414	45,528	\$314,598	112	14,580	\$70,713	663	73,763	\$505,885
Estuary Total		539	53,869	\$475,663	1,299	142,903	\$987,460	886	115,201	\$558,725	2,724	311,973	\$2,021,848

Estuary	Type of Cultivation	Plate Grade (Bags)	Plate Grade (Dozens)	Value (\$)	Bistro Grade (Bags)	Bistro Grade (Dozens)	Value (\$)	Bottle Grade (Bags)	Bottle Grade (Dozens)	Value (\$)	Total Bags	Total Dozens	Total Value (\$)
Pambula River	Baskets	211	21,098	\$186,295	326	35,912	\$248,152	422	54,839	\$265,969	959	111,849	\$700,416
	Floating	2	200	\$1,766	32	3,550	\$24,531	16	2,030	\$9,846	50	5,780	\$36,142
	Tray	398	39,839	\$351,778	410	45,079	\$311,496	627	81,556	\$395,547	1,436	166,474	\$1,058,821
Estuary Total		611	61,137	\$539,840	769	84,541	\$584,178	1,065	138,425	\$671,361	2,445	284,103	\$1,795,379
Wonboyn River	Baskets	100	9,959	\$87,938	133	14,663	\$101,321	87	11,359	\$55,091	320	35,981	\$244,350
	Floating	69	6,880	\$60,750	42	4,612	\$31,869	12	1,622	\$7,867	123	13,114	\$100,486
	Tray	67	6,748	\$59,585	101	11,156	\$77,088	87	11,373	\$55,159	256	29,277	\$191,832
Estuary Total		236	23,587	\$208,273	277	30,431	\$210,278	187	24,354	\$118,117	700	78,372	\$536,668
*Others	Baskets	93	9,315	\$82,251	135	14,889	\$102,883	194	25,222	\$122,327	423	49,426	\$307,461
	Dredge	0	0	\$0	0	0	\$0	4	500	\$2,425	4	500	\$2,425
	Floating	0	0	\$0	0	0	\$0	1	140	\$679	1	140	\$679
	Long-line	2	200	\$1,766	3	300	\$2,073	4	500	\$2,425	9	1,000	\$6,264
	Raft/Pontoon	30	3,018	\$26,649	26	2,874	\$19,859	35	4,500	\$21,825	91	10,392	\$68,333
	Tray	461	46,106	\$407,116	330	36,253	\$250,508	162	21,050	\$102,093	953	103,409	\$759,717
*Others Total		586	58,639	\$517,782	494	54,316	\$375,324	399	51,912	\$251,773	1,479	164,867	\$1,144,879
TOTALS		9,372	937,198	\$8,275,458	15,339	1,687,238	\$11,658,815	15,779	2,051,334	\$9,948,970	40,490	4,675,770	\$29,883,243

*Others = due to confidentiality figures are included under this category. Includes: Tweed River, Richmond River, Clarence River, Woolli Woolli River, Bellinger River, Botany Bay, Shoalhaven River, Bermagui River, Nelson Lagoon & Bega River.

Please Note: Due to rounding effect there may be some small variances in bag quantities and \$ value.

Table 6: Sydney Rock Oyster sales by market

Market Description	Plate Grade			Bistro Grade			Bottle Grade			Total		
	Bags	Dozens	Value (\$)	Bags	Dozens	Value (\$)	Bags	Dozens	Value (\$)	Bags	Dozens	Value (\$)
Export	0	0	\$0	0	0	\$0	15	2,000	\$9,700	15	2,000	\$9,700
Interstate	571	57,091	\$504,114	1,582	174,018	\$1,202,464	3,768	489,803	\$2,375,545	5,921	720,912	\$4,082,122
Local	2,566	256,618	\$2,265,937	3,584	394,265	\$2,724,371	3,044	395,769	\$1,919,480	9,195	1,046,652	\$6,909,788
Rest of NSW	566	56,562	\$499,442	1,570	172,730	\$1,193,564	1,228	159,694	\$774,516	3,364	388,986	\$2,467,523
Sydney	5,669	566,927	\$5,005,965	8,602	946,225	\$6,538,415	7,724	1,004,068	\$4,869,730	21,995	2,517,220	\$16,414,110
Totals	9,372	937,198	\$8,275,458	15,339	1,687,238	\$11,658,815	15,779	2,051,334	\$9,948,970	40,490	4,675,770	\$29,883,243

Please note: Due to rounding effect there may be some small variances in bag quantities and \$ value.

Table 7: Sydney Rock Oyster sales by production method

Type of Cultivation	Plate Grade			Bistro Grade			Bottle Grade			Total		
	Bags	Dozens	Value (\$)	Bags	Dozens	Value (\$)	Bags	Dozens	Value (\$)	Bags	Dozens	Value (\$)
Baskets	1,343	134,324	\$1,186,081	2,955	325,025	\$2,245,923	2,675	347,745	\$1,686,563	6,973	807,094	\$5,118,567
Dredge	0	0	\$0	0	0	\$0	4	500	\$2,425	4	500	\$2,425
Floating	194	19,399	\$171,293	279	30,646	\$211,764	333	43,274	\$209,879	805	93,319	\$592,936
Long-line	195	19,532	\$172,468	570	62,678	\$433,105	423	54,971	\$266,609	1,188	137,181	\$872,182
Raft/Pontoon	682	68,167	\$601,915	808	88,900	\$614,299	1,447	188,106	\$912,314	2,937	345,173	\$2,128,528
Slats	0	0	\$0	3	300	\$2,073	3	350	\$1,698	5	650	\$3,771
Stick	363	36,290	\$320,441	773	85,073	\$587,854	493	64,055	\$310,667	1,629	185,418	\$1,218,962
Tray	6,595	659,486	\$5,823,261	9,951	1,094,616	\$7,563,797	10,403	1,352,333	\$6,558,815	26,948	3,106,435	\$19,945,873
Totals	9,372	937,198	\$8,275,458	15,339	1,687,238	\$11,658,815	15,779	2,051,334	\$9,948,970	40,490	4,675,770	\$29,883,243

Please note: Due to rounding effect there may be some small variances in bag quantities and \$ value.

Table 8: Sydney Rock Oyster sales by permit holders

Production Range	0 Bags No Prod Report Returned	0 Bags (nil prod)	<=25 Bags	>25 and <=50 Bags	>50 and <= 100 Bags	>100 and <=150 Bags	>150 and <= 250 Bags	>250 and <= 500 Bags	>500 and <=1000 Bags	>1000 Bags	Total
Percentage of Permit Holders *	4	26	17 (24)	10 (14)	13 (19)	9 (13)	8 (12)	7 (9)	4 (6)	2 (3)	100
Number of Permit Holders	13	80	54	31	41	28	26	20	13	7	313
Quantity Produced (bags)			659	1,188	3,055	3,630	5,082	6,697	9,847	10,324	40,482
Quantity Produced (dozens)			75,057	135,095	350,700	411,665	581,241	781,415	1,119,345	1,221,252	4,675,770
Percentage of production (dozens)			2	3	7	9	12	17	24	26	100
Total Value (\$)			\$498,772	\$896,124	\$2,268,244	\$2,745,266	\$3,797,028	\$4,877,629	\$7,447,239	\$7,352,940	\$29,883,243

* Number in brackets is the percentage of permit holders excluding nil production and reports not returned.

Please Note: Due to rounding effect there may be some small variances in bag quantities and \$ value.

Figure B: Percentage of oyster permit holders by production range

Figure B-1: Percentage of permit holders 2009/2010

Number of permit holders: 330

Total area for production: 2,902 ha

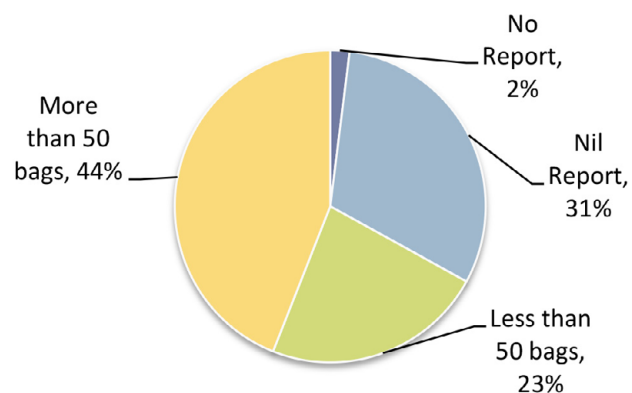


Figure B-2: Percentage of permit holders 2010/2011

Number of permit holders: 328

Total area for production: 2,951 ha

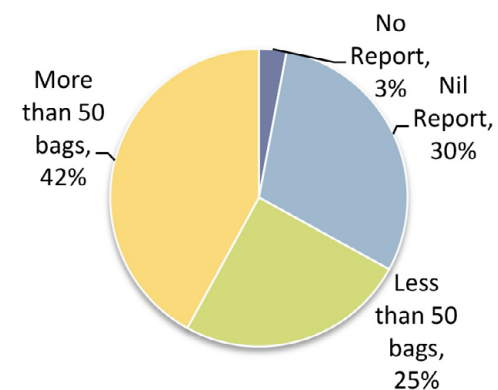


Figure B-3: Percentage of permit holders 2011/2012

Number of permit holders: 322

Total area for production: 2,909 ha

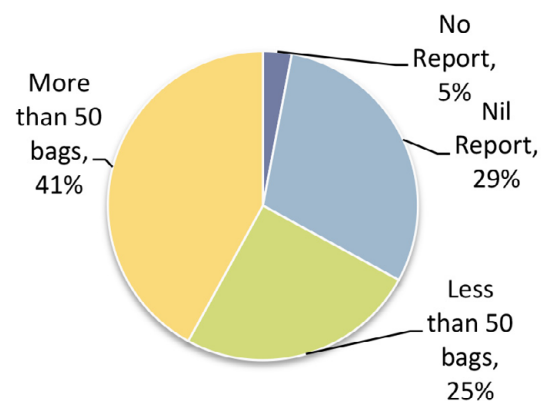


Figure B-4: Percentage of permit holders 2012/2013

Number of permit holders: 313

Total area for production: 2,886 ha

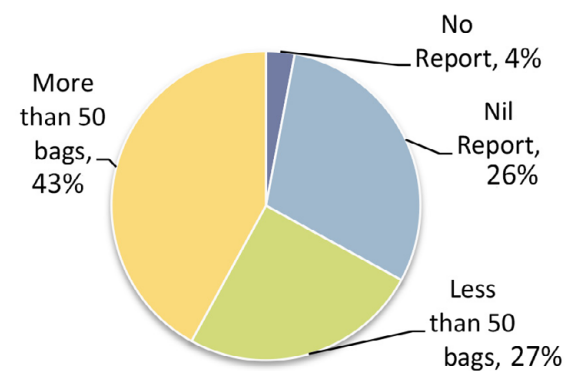


Table 9: Sydney Rock Oyster sales by estuary

Estuary	Plate Grade			Bistro Grade			Bottle Grade			Total		
	Bags	Dozens	Value (\$)	Bags	Dozens	Value (\$)	Bags	Dozens	Value (\$)	Bags	Dozens	Value (\$)
Nambucca River	226	22,565	\$199,249	284	31,238	\$215,855	468	60,794	\$294,851	977	114,597	\$709,954
Macleay River	30	3,022	\$26,684	64	7,012	\$48,453	146	18,924	\$91,781	240	28,958	\$166,919
Hastings River	267	26,674	\$235,531	640	70,386	\$486,367	659	85,641	\$415,359	1,565	182,701	\$1,137,258
Camden Haven	362	36,172	\$319,399	245	26,905	\$185,914	545	70,837	\$343,559	1,151	133,914	\$848,872
Manning River	174	17,375	\$153,421	417	45,879	\$317,024	467	60,654	\$294,172	1,057	123,908	\$764,617
Wallis Lake	1,681	168,060	\$1,483,970	4,945	543,943	\$3,758,646	4,826	627,404	\$3,042,909	11,452	1,339,407	\$8,285,525
Port Stephens	2,863	286,344	\$2,528,418	1,652	181,741	\$1,255,830	803	104,347	\$506,083	5,318	572,432	\$4,290,331
Brisbane Water	71	7,069	\$62,419	230	25,302	\$174,837	882	114,712	\$556,353	1,183	147,083	\$793,609
Hawkesbury River	34	3,424	\$30,234	5	588	\$4,063	0	0	\$0	40	4,012	\$34,297
Crookhaven River	111	11,082	\$97,854	1,000	110,022	\$760,252	521	67,762	\$328,646	1,632	188,866	\$1,186,752
Clyde River	867	86,668	\$765,278	1,878	206,602	\$1,427,620	2,894	376,211	\$1,824,623	5,639	669,481	\$4,017,522
Tuross Lake	227	22,696	\$200,406	248	27,278	\$188,491	25	3,230	\$15,666	500	53,204	\$404,562
Wagonga Inlet	394	39,373	\$347,664	535	58,813	\$406,398	848	110,181	\$534,378	1,776	208,367	\$1,288,439
Wapengo Lake	94	9,442	\$83,373	358	39,338	\$271,826	160	20,745	\$100,613	612	69,525	\$455,812
Merimbula Lake	539	53,869	\$475,663	1,299	142,903	\$987,460	886	115,201	\$558,725	2,724	311,973	\$2,021,848
Pambula River	611	61,137	\$539,840	769	84,541	\$584,178	1,065	138,425	\$671,361	2,445	284,103	\$1,795,379
Wonboyn River	236	23,587	\$208,273	277	30,431	\$210,278	187	24,354	\$118,117	700	78,372	\$536,668
*Others	586	58,639	517,782	494	54,316	375,324	399	51,912	251,773	1,479	164,867	\$1,144,879
Total	9,372	937,198	\$8,275,458	15,339	1,687,238	\$11,658,815	15,779	2,051,334	\$9,948,970	40,490	4,675,770	\$29,883,243

*Others = due to confidentiality figures are included under this category. Includes: Tweed River, Richmond River, Clarence River, Woolli Woolli River, Bellinger River, Botany Bay, Shoalhaven River, Wallaga Lake, Bermagui River, Nelson Lagoon & Bega River.

Please note: Due to rounding effect there may be some small variances in bag quantities and \$ value.

Figure C: Comparative graphs: Sydney Rock Oyster (SRO) production

Figure C-1 – The ten most productive estuaries for cultivation and sale of SRO in 2011/2012

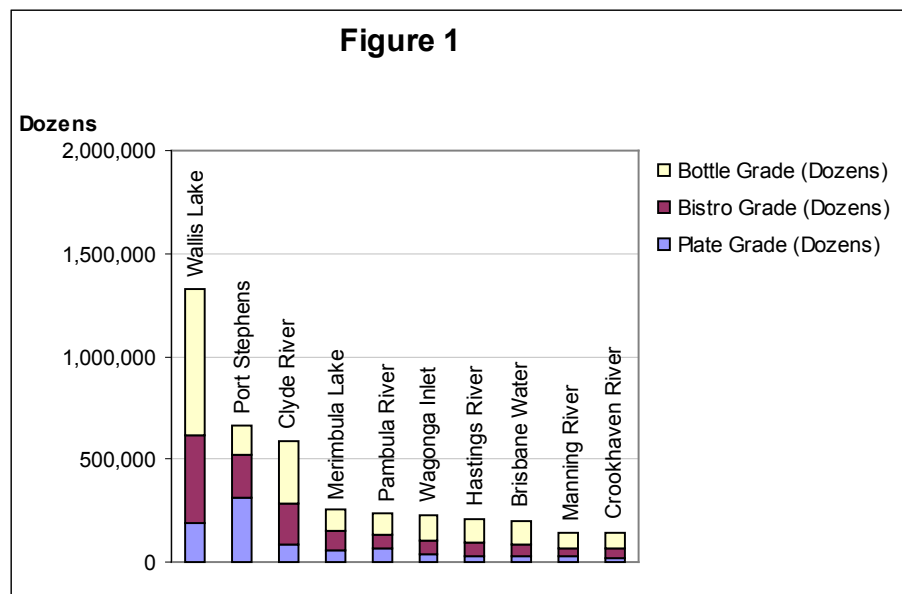


Figure C-2 – The ten most productive estuaries for the cultivation and sale of SRO in 2012/2013

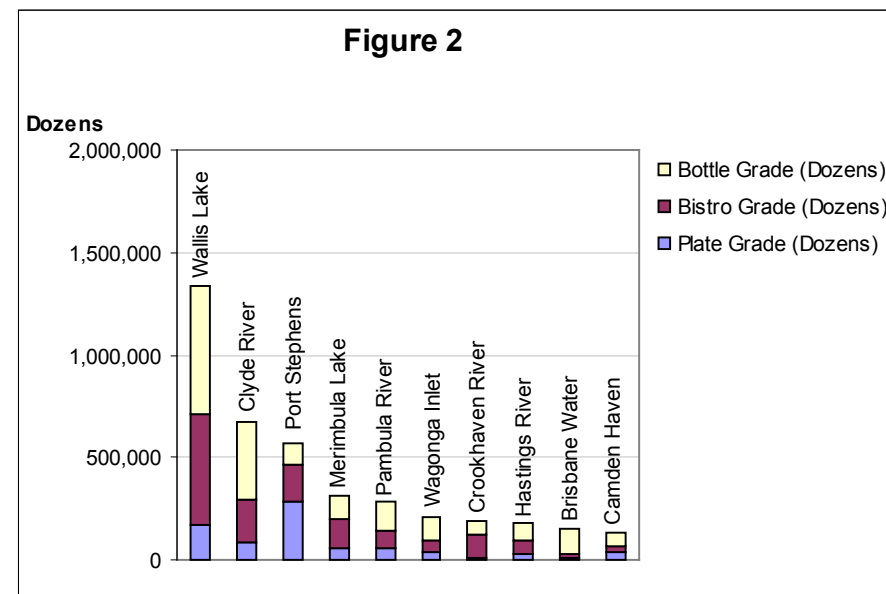


Figure C-3 – Value of plate, bistro and bottle/cocktail grade SRO production in 2009/2010, 2010/2011 and 2011/2012 compared to 2012/2013

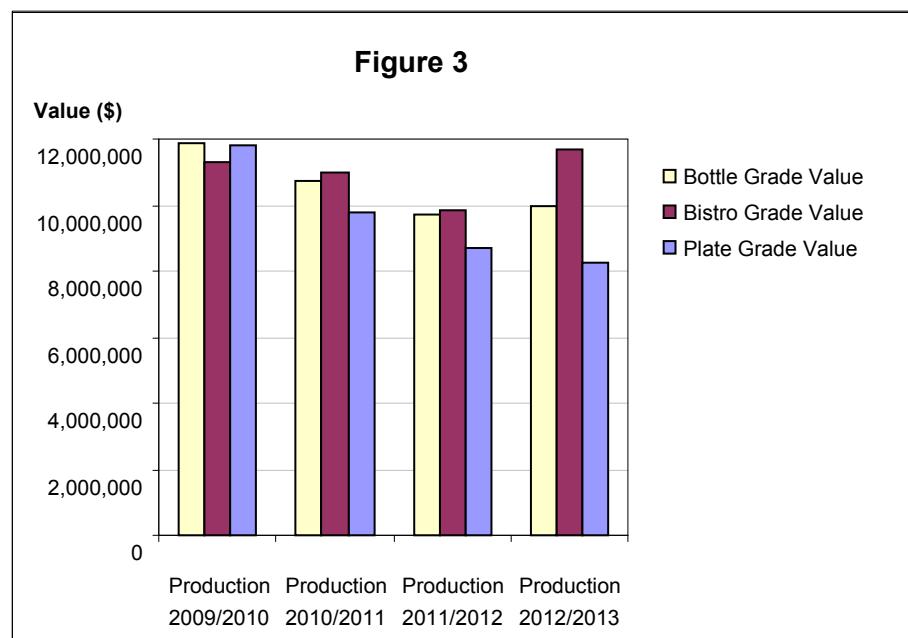


Figure C-4 – Quantity of plate, bistro and bottle/cocktail grade SRO production in 2009/2010, 2010/2011 and 2011/2012 compared to 2012/2013

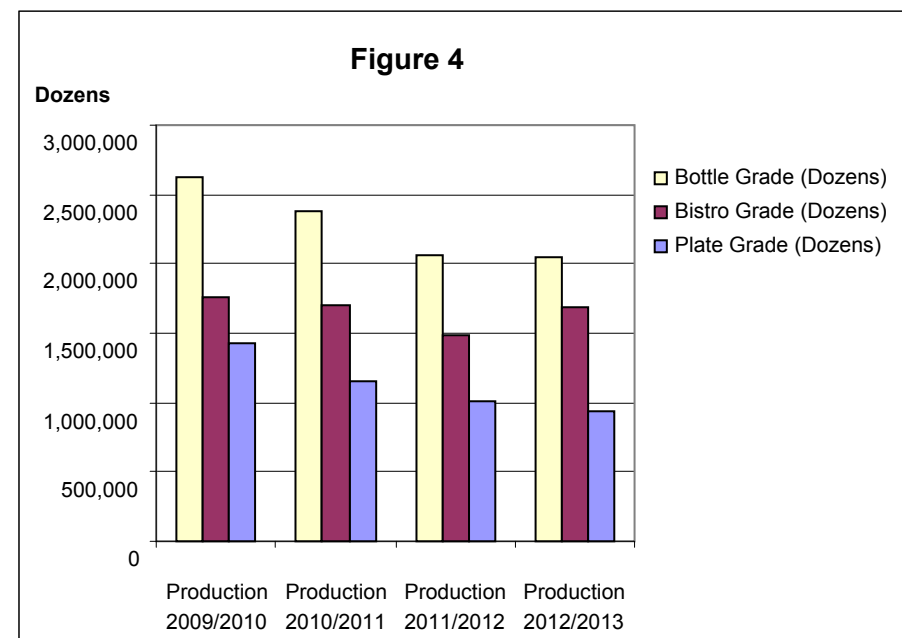


Table 10: Pacific Oyster sales from Port Stephens

Type of Cultivation	Grade 1			Grade 2			Grade 3			Total		
	Bags	Dozens	Value (\$)	Bags	Dozens	Value (\$)	Bags	Dozens	Value (\$)	Bags	Dozens	Value (\$)
Total	1,577	119,834	\$987,432	413	49,581	\$321,285	261	39,231	\$198,509	2,251	208,646	\$1,507,226

Table 11: Pacific Oyster Sales by production method

Type of Cultivation	Grade 1			Grade 2			Grade 3			Total		
	Bags	Dozens	Value (\$)	Bags	Dozens	Value (\$)	Bags	Dozens	Value (\$)	Bags	Dozens	Value (\$)
Baskets	373	28,334	\$233,472	112	13,475	\$87,318	75	11,177	\$56,556	560	52,986	\$377,346
Floating	53	4,000	\$32,960	17	2,000	\$12,960	13	2,000	\$10,120	83	8,000	\$56,040
Long-line	722	54,887	\$452,269	191	22,969	\$148,839	132	19,809	\$100,234	1,046	97,665	\$701,342
Stick	8	600	\$4,944	2	250	\$1,620	3	400	\$2,024	13	1,250	\$8,588
Tray	421	32,013	\$263,787	91	10,887	\$70,548	39	5,845	\$29,576	551	48,745	\$363,911
Total	1,577	119,834	\$987,432	413	49,581	\$321,285	262	39,231	\$198,509	2,251	208,646	\$1,507,226

Table 12: Pacific Oyster sales by market

Market Description	Grade 1			Grade 2			Grade 3			Total		
	Bags	Dozens	Value (\$)	Bags	Dozens	Value (\$)	Bags	Dozens	Value (\$)	Bags	Dozens	Value (\$)
Interstate	2	176	\$1,450	3	300	\$1,944	3	510	\$2,581	8	986	\$5,975
Local	484	36,764	\$302,935	105	12,633	\$81,862	53	7,902	\$39,984	642	57,299	\$424,781
Rest of NSW	319	24,218	\$199,556	105	12,563	\$81,408	88	13,240	\$66,994	512	50,021	\$347,959
Sydney	772	58,676	\$483,490	201	24,085	\$156,071	117	17,579	\$88,950	1,090	100,340	\$728,511
Total	1,577	119,834	\$987,432	413	49,581	\$321,285	262	39,231	\$198,509	2,251	208,646	\$1,507,226

Please Note: Due to rounding effect there may be some small variances in bag quantities and \$ value.

Table 13: Triploid Pacific Oyster sales by estuary

Estuary	Supreme Grade			Premium Grade			Standard Grade			Total		
	Bags	Dozens	Value (\$)	Bags	Dozens	Value (\$)	Bags	Dozens	Value (\$)	Bags	Dozens	Value (\$)
Wallis Lake	10	415	\$4,785	21	1,231	\$10,550	91	7,275	\$51,507	122	8,921	\$66,842
Hawkesbury River	605	24,193	\$278,945	1,885	113,091	\$969,190	610	48,809	\$345,568	3,100	186,093	\$1,593,703
Crookhaven River	61	2,452	\$28,272	234	14,050	\$120,409	219	17,480	\$123,758	514	33,982	\$272,438
Clyde River	0	0	\$0	83	5,000	\$42,850	125	10,000	\$70,800	208	15,000	\$113,650
*Others	68	2,731	\$31,488	17	1,007	\$8,630	183	14,664	\$103,821	268	18,402	\$143,940
Total	745	29,791	\$343,490	2,240	134,379	\$1,151,628	1,228	98,228	\$695,454	4,212	262,398	\$2,190,573

*Others = due to confidentiality figures are included under this category. Includes: Botany Bay, Patonga Creek, Georges River, Shoalhaven River and Wapengo Lake.

Table 14: Triploid Pacific Oyster sales by production method

Type of Cultivation	Supreme Grade			Premium Grade			Standard Grade			Total		
	Bags	Dozen	Value (\$)	Bags	Dozen	Value (\$)	Bags	Dozen	Value (\$)	Bags	Dozen	Value (\$)
Floating Basket	25	1,000	\$11,530	25	1,500	\$12,855	31	2,500	\$17,700	81	5,000	\$42,085
Longline Basket	69	2,763	\$31,857	239	14,329	\$122,800	395	31,609	\$223,792	703	48,701	\$378,449
Tray	651	26,028	\$300,103	1,976	118,550	\$1,015,974	801	64,119	\$453,963	3,428	208,697	\$1,770,039
Total	745	29,791	\$343,490	2,240	134,379	\$1,151,628	1,228	98,228	\$695,454	4,212	262,398	\$2,190,573

Table 15: Triploid Pacific Oyster sales by market

Market Description	Supreme Grade			Premium Grade			Standard Grade			Total		
	Bags	Dozen	Value (\$)	Bags	Dozen	Value (\$)	Bags	Dozen	Value (\$)	Bags	Dozen	Value (\$)
Interstate	100	4,000	\$46,120	83	5,000	\$42,850	60	4,795	\$33,949	243	13,795	\$122,919
Local	50	2,000	\$23,060	107	6,433	\$55,131	317	25,351	\$179,485	474	33,784	\$257,676
Rest of NSW	8	311	\$3,586	11	684	\$5,862	25	1,975	\$13,983	44	2,970	\$23,431
Sydney	587	23,480	\$270,724	2,038	122,262	\$1,047,785	826	66,107	\$468,038	3,451	211,849	\$1,786,547
Total	745	29,791	\$343,490	2,240	134,379	\$1,151,628	1,228	98,228	\$695,454	4,212	262,398	\$2,190,573

Please Note: due to rounding effect there may be some small variances in bag quantities and \$ value.

Table 16: Spat production value by cultivation method

Type of Cultivation	Large Spat (\$)	Medium Spat (\$)	Small Spat (\$)	Total Value (\$)
Hatchery Nursery Stock	\$20,787	\$113,468	\$358,716	\$492,971
Wild Caught Stock	\$1,281,219	\$259,264	\$29,820	\$1,570,303
Total	\$1,302,006	\$372,732	\$388,536	\$2,063,274

Note: Values include figures for Sydney Rock Oyster, Pacific Oyster and Flat Oyster spat.

Table 17: Spat sales by estuary

Estuary	Large Spat		Medium Spat		Small Spat		Total	
	Quantity	Value (\$)	Quantity	Value (\$)	Quantity	Value (\$)	Quantity	Value (\$)
Hastings River	5,517,000	\$802,950	1,169,760	\$151,000	150,000	\$12,500	6,836,760	\$966,450
Port Stephens	1,140,000	\$238,955	1,954,000	\$97,450	13,098,000	\$213,766	16,192,000	\$550,171
*Others	3,998,100	\$260,101	1,959,135	\$124,282	5,355,000	\$162,270	11,312,235	\$546,653
Total	10,655,100	\$1,302,006	5,082,895	\$372,732	18,603,000	\$388,536	34,340,995	\$2,063,274

*Others = due to confidentiality figures are included under this category. Includes: Woolli Woolli River, Nambucca River, Macleay River, Camden Haven, Manning River, Wallis Lake, Brisbane Water, Crookhaven River, Clyde River, Moruya River, Wagonga Inlet, Bermagui River, Wapengo Lake, Merimbula Lake, Pambula River & Wonboyn River.

Appendix 1: Oyster price and weight conversions

For the purposes of this report the following estimates have been developed on data supplied by permit holders:

Sydney Rock Oysters

1 bag of Plate Grade Oysters = 100 dozen @ a Farm Gate Price of \$883.00 per bag.

1 bag of Bistro Grade Oysters = 110 dozen @ a Farm Gate Price of \$760.10 per bag.

1 bag of Bottle/Cocktail Grade Oysters = 130 dozen @ a Farm Gate Price of \$630.50 per bag.

Pacific Oysters

1 bag of Grade 1 (Select and Prime) Pacific Oysters = 76 dozen @ a Farm Gate Price of \$626.24 per bag.

1 bag of Grade 2 (Bistro) Pacific Oysters = 120 dozen @ a Farm Gate Price of \$777.60 per bag.

1 bag of Grade 3 (Mini) Pacific Oysters = 150 dozen @ a Farm Gate Price of \$759.00 per bag.

Triploid Pacific Oysters

1 bag of Triploid Supreme Oysters = 40 dozen @ Farm Gate Price of \$461.20 per bag.

1 bag of Triploid Premium Oysters = 60 dozen @ Farm Gate Price of \$514.20 per bag.

1 bag of Triploid Standard Oysters = 80 dozen @ Farm Gate Price of \$566.40 per bag.

Weight conversions

An approximate conversion to production by weight for Sydney rock oysters can be made at the rate of 14 bags to the tonne.