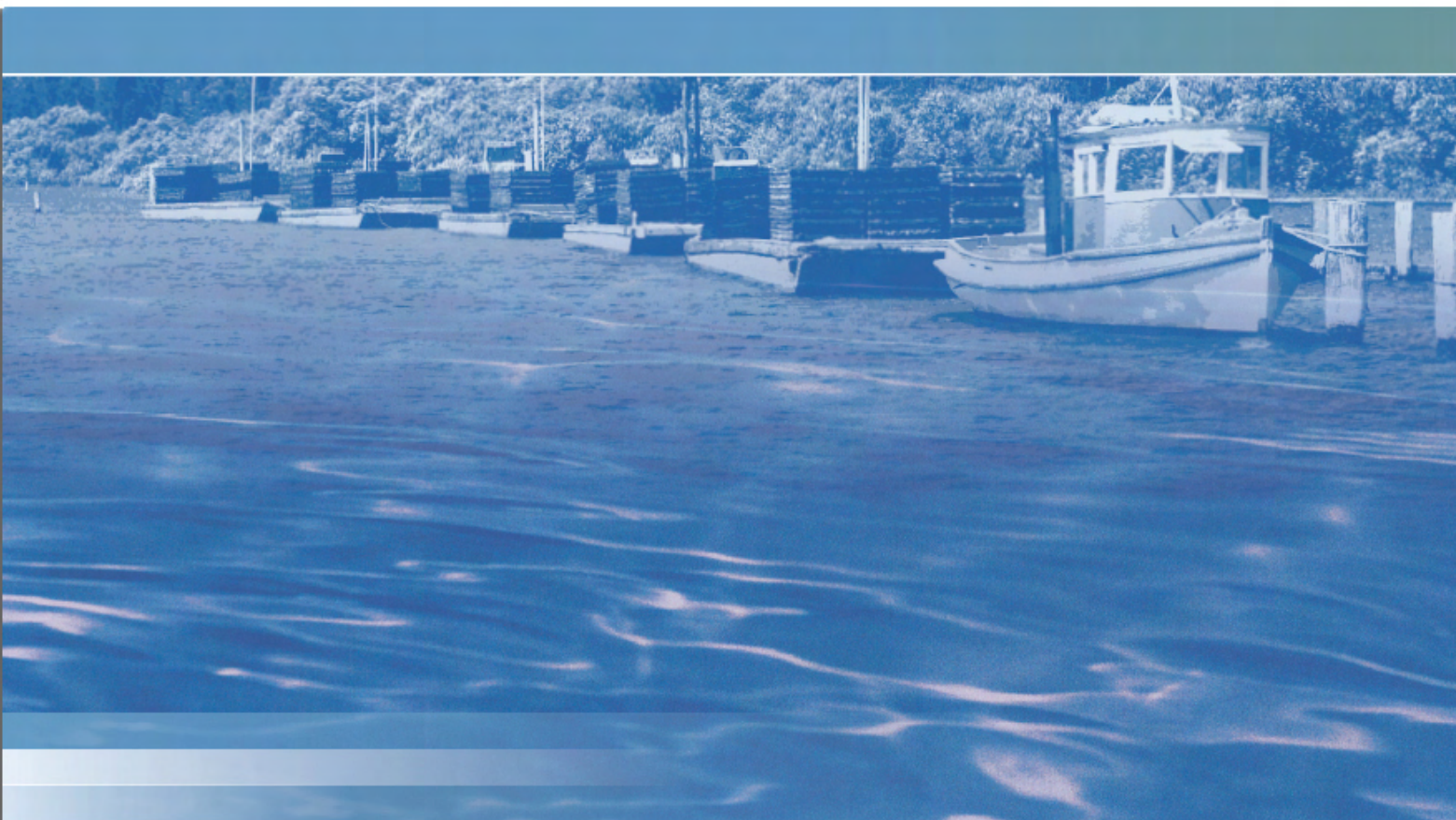




Department of
Primary Industries

Aquaculture Production

Report 2010–11



Title: Aquaculture Production Report 2010–2011

Author: Raelene Trenaman, Aquaculture Unit, Port Stephens Fisheries Institute

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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 2010 to 30 June 2011. 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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Table 1: Snapshot of Aquaculture Production for 2010/2011

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>	11	N/a	87.63	147,574	\$11.74	\$1,732,427
	yabby	<i>Cherax destructor</i>	78	22	35.14**	5,366	\$19.38	\$103,983
	yabby (bait)	<i>Cherax destructor</i>						\$112,657
Freshwater fish	barramundi	<i>Lates calcarifer</i>	6	N/a	0.30	75,100	\$12.49	\$938,250
	Brown trout	<i>Salmo trutta</i>	12	N/a	0.05	650	\$10.29	\$6,686
	eel-long finned	<i>Anguilla reinhardtii</i>	16	N/a	4.62	12,200	\$10.20	\$124,480
	golden perch	<i>Macquaria ambigua</i>	67	N/a	0.20	110	\$9.55	\$1,046
	Murray cod	<i>Maccullochella peelii</i>	36	6	0.65	5,405	\$17.04	\$92,103
	rainbow trout	<i>Oncorhynchus mykiss</i>	23	N/a	0.92	167,696	\$11.67	\$1,957,415
	silver perch	<i>Bidyanus bidyanus</i>	87	25	49.47	239,659	\$11.74	\$2,813,651
Marine fish	mulloway	<i>Argyrosomus japonicus</i>	17	N/a	14.62	71,935	\$9.51	\$684,047
Sub total								\$8,566,745
Hatchery	Hatchery (species)	(see hatchery production table)						\$2,842,689
Mollusc - oysters	Sydney rock oyster	<i>Saccostrea glomerata</i> (see oyster production tables)						\$31,515,885
	Pacific oyster	<i>Crassostrea gigas</i> (see oyster production tables)						\$1,218,791
	Triploid Pacific oyster	<i>Crassostrea gigas</i> (see oyster production tables)						\$2,949,843
	flat oyster	<i>Ostrea angasi</i>						\$317,900
	oyster spat	(see oyster production tables)						\$2,308,960
*Other								\$779,315
Total \$ Value								\$50,500,128

N/a = not available due to confidentiality e.g. less than or equal to 5 farms producing the species.

*Other = Due to confidentiality these figures are included under this category. Species include: tube worm (*Diopatra aciculata*), blue mussel (*Mytilus galloprovincialis*), Barcoo grunter (*Scortum barcoo*) & 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 & Mollusc Production 2010/2011

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>	11	N/a	87.63	147,574	\$11.74	\$1,732,427
	yabby	<i>Cherax destructor</i>	78	22	35.14**	5,366	\$19.38	\$103,983
	yabby (bait)	<i>Cherax destructor</i>						\$112,657
Freshwater fish	barramundi	<i>Lates calcarifer</i>	6	N/a	0.30	75,100	\$12.49	\$938,250
	brown trout	<i>Salmo trutta</i>	12	N/a	0.05	650	\$10.29	\$6,686
	eel-long finned	<i>Anguilla reinhardtii</i>	16	N/a	4.62	12,200	\$10.20	\$124,480
	golden perch	<i>Macquaria ambigua</i>	67	N/a	0.20	110	\$9.55	\$1,046
	Murray cod	<i>Maccullochella peelii</i>	36	6	0.65	5,405	\$17.04	\$92,103
	rainbow trout	<i>Oncorhynchus mykiss</i>	23	N/a	0.92	167,696	\$11.67	\$1,957,415
	silver perch	<i>Bidyanus bidyanus</i>	87	25	49.47	239,659	\$11.74	\$2,813,651
Marine fish	mulloway	<i>Argyrosomus japonicus</i>	17	N/a	14.62	71,935	\$9.51	\$684,047
Total Value (\$)								\$8,566,745

N/a = not available due to confidentiality e.g. less than or equal to 5 farms producing the species.

**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

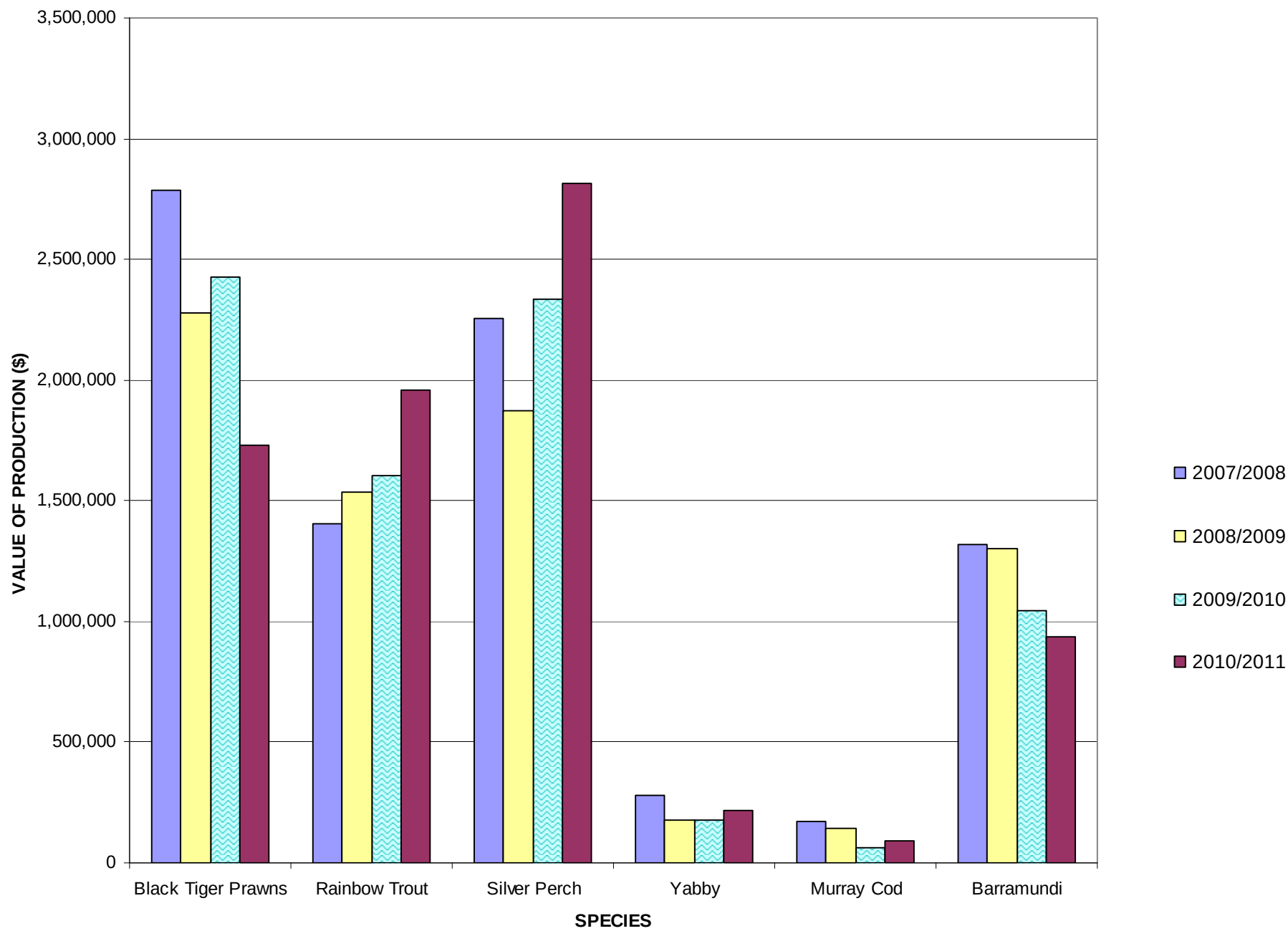


Table 3: Commercial Hatchery Production 2010/2011

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>	18	N/a	Juveniles	**	**	\$100,878
	goldfish	<i>Carassius auratus</i>	10	N/a	Juveniles	226,863	\$0.86	\$195,799
	koi carp	<i>Cyprinus carpio</i>	11	N/a	Juveniles	173,100	\$0.81	\$139,800
Crustaceans	black tiger prawn	<i>Penaeus monodon</i>	6	N/a	Larvae	4,149,200	\$0.02	\$66,387
Freshwater fish	Australian bass	<i>Macquaria novemaculeata</i>	15	N/a	Juveniles	255,956	\$0.59	\$151,319
	brown trout	<i>Salmo Trutta</i>	6	N/a	Juveniles	14,850	\$0.95	\$14,093
	eel tailed catfish	<i>Tandanus tandanus</i>	18	N/a	Juveniles	16,023	\$1.80	\$28,854
	golden perch	<i>Macquaria ambigua</i>	32	11	Juveniles	1,901,823	\$0.29	\$543,026
	Murray cod	<i>Maccullochella peelii</i>	19	7	Juveniles	2,047,019	\$0.50	\$1,028,022
	rainbow trout	<i>Oncorhynchus mykiss</i>	11	N/a	Juveniles	27,550	\$0.84	\$23,043
	silver perch	<i>Bidyanus bidyanus</i>	34	11	Juveniles	708,528	\$0.45	\$320,218
Marine fish	mulloway	<i>Argyrosomus japonicus</i>	10	N/a	Juveniles	30,200	\$0.75	\$22,650
*Other								\$208,600
Total Value (\$)								\$2,842,689

N/a = not available due to confidentiality e.g. less than or equal to 5 hatcheries producing the species.

*Other = Due to confidentiality these figures are included under this category. Species include Sydney rock oyster (*Saccostrea glomerata*), flat oyster (*Ostrea Angasi*), Pacific oyster (*Crassostrea gigas*) & yabby (*Cherax destructor*).

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

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

Table 4: Sydney Rock Oyster Production – 2007/2008, 2008/2009, 2009/2010 & 2010/2011 by Estuary

Estuary	Plate Grade Dozens				Bistro Grade Dozens				Bottle Grade Dozens				Total Dozens			
	07/08	08/09	09/10	10/11	07/08	08/09	09/10	10/11	07/08	08/09	09/10	10/11	07/08	08/09	09/10	10/11
Nambucca River	32,181	35,035	22,878	37,457	44,137	38,542	62,337	69,349	34,789	17,996	38,881	35,715	111,107	91,573	124,096	142,521
Macleay River	4,982	2,593	17,997	3,836	12,762	10,329	37,103	8,699	47,020	27,751	54,423	14,777	64,764	40,673	109,523	27,312
Hastings River	32,253	26,745	44,079	35,204	75,111	54,985	105,893	87,363	119,559	184,767	121,854	139,007	226,923	266,497	271,826	261,574
Camden Haven	78,450	94,944	76,846	72,701	51,615	32,636	57,090	68,810	86,030	34,000	42,700	98,354	216,095	161,580	176,636	239,865
Manning River	23,911	54,301	25,098	7,595	20,246	45,591	24,553	9,636	26,666	26,038	28,870	9,934	70,823	125,930	78,521	27,165
Wallis Lake	520,523	445,703	282,597	242,399	815,855	557,701	508,568	558,465	1,328,837	1,770,438	1,183,675	985,800	2,665,215	2,773,842	1,974,840	1,786,664
Port Stephens	272,974	250,586	426,337	310,949	225,323	189,997	294,368	237,396	108,610	159,657	307,989	162,167	606,907	600,240	1,028,694	710,512
Brisbane Water	34,765	21,750	84,928	38,935	74,104	60,610	87,795	52,167	143,295	103,770	150,476	99,680	252,164	186,130	323,199	190,782
Hawkesbury River	0	2,900	3,926	3,428	0	2,175	2,724	3,327	5,500	300	0	0	5,500	5,375	6,650	6,755
Shoalhaven River	13,976	15,689	N/a	N/a	15,364	7,864	N/a	N/a	10,423	20,982	N/a	N/a	39,763	44,535	N/a	N/a
Crookhaven River	35,012	25,269	23,075	16,356	35,480	36,474	32,364	19,465	56,942	59,185	37,134	21,830	127,434	120,928	92,573	57,651
Clyde River	137,818	183,301	110,031	99,185	238,164	290,144	229,164	225,398	374,212	408,970	270,793	381,945	750,194	882,415	609,988	706,528
Tuross Lake	23,130	15,005	17,985	17,426	33,414	24,645	18,134	8,872	26,409	16,225	10,537	2,120	82,953	5,5875	46,656	28,418
Wagonga Inlet	42,176	42,489	35,444	39,843	104,917	79,399	45,653	61,031	82,965	212,371	108,906	112,974	230,058	334,259	190,003	213,848
Wapengo Lake	12,656	10,264	11,734	13,482	40,696	28,470	39,380	27,183	32,608	19,305	24,520	10,742	85,960	58,039	75,634	51,407
Merimbula Lake	76,852	85,387	44,665	49,418	47,927	48,150	82,578	125,274	126,916	46,068	41,550	100,038	251,695	179,605	168,793	274,730
Pambula River	40,472	42,065	47,323	68,013	50,038	44,727	55,706	71,663	90,416	111,334	112,348	114,017	180,926	198,126	215,377	253,693
Wonboyn River	35,876	35,517	24,746	33,763	17,427	24,841	15,616	22,287	9,485	23,912	11,138	8,482	62,788	84,270	51,500	64,532
*Others	123,422	104,792	126,974	67,038	103,771	108,666	65,923	49,567	91,616	115,936	75,528	82,672	318,809	329,394	268,425	199,277
Totals	1,541,429	1,494,335	1,426,663	1,157,028	2,006,351	1,685,946	1,764,949	1,705,952	2,802,298	3,359,005	2,621,322	2,380,254	6,350,078	6,539,286	5,812,934	5,243,234

*Others not named for confidentiality include: Tweed River, Richmond River, Clarence River, Bellinger River, Botany Bay, Shoalhaven River, Wallaga Lake, Bermagui River, Nelson Lagoon & Bega River.

N/a: Data not available for confidentiality reasons.

Table 5: Sydney Rock Oyster Sales by Estuary & 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	178	17,757	\$149,692	347	38,149	\$246,061	252	32,775	\$148,143	776	88,681	\$543,896
	Tray	197	19,700	\$166,071	284	31,200	\$201,240	23	2,940	\$13,289	503	53,840	\$380,600
Estuary Total		375	37,457	\$315,763	630	69,349	\$447,301	275	35,715	\$161,432	1,280	142,521	\$924,495
Macleay River	Floating Basket	21	2,096	\$17,669	40	4,444	\$28,664	69	8,929	\$40,359	130	15,469	\$86,692
	Raft/Pontoon	1	50	\$422	1	150	\$968	0	0	\$0	2	200	\$1,389
	Tray	17	1,690	\$14,247	37	4,105	\$26,477	45	5,848	\$26,433	99	11,643	\$67,157
Estuary Total		38	3,836	\$32,337	79	8,699	\$56,109	114	14,777	\$66,792	231	27,312	\$155,238
Hastings River	Floating Basket	68	6,822	\$57,509	208	22,906	\$147,744	421	54,704	\$247,262	697	84,432	\$452,515
	Longline Basket	22	2,240	\$18,883	62	6,814	\$43,950	118	15,391	\$69,567	203	24,445	\$132,401
	Raft/Pontoon	88	8,773	\$73,956	142	15,630	\$100,814	152	19,779	\$89,401	382	44,182	\$264,171
	Slats	17	1,739	\$14,660	40	4,414	\$28,470	81	10,591	\$47,871	139	16,744	\$91,001
	Tray	156	15,630	\$131,761	342	37,599	\$242,514	296	38,542	\$174,210	795	91,771	\$548,484
Estuary Total		352	35,204	\$296,770	794	87,363	\$563,491	1,069	139,007	\$628,312	2,215	261,574	\$1,488,573
Camden Haven	Longline Basket	0	0	\$0	2	250	\$1,613	0	0	\$0	2	250	\$1,613
	Raft/Pontoon	461	46,065	\$388,328	467	51,400	\$331,530	712	92,520	\$418,190	1,640	189,985	\$1,138,048
	Slats	0	0	\$0	2	250	\$1,613	0	0	\$0	2	250	\$1,613
	Tray	266	26,636	\$224,541	154	16,910	\$109,070	45	5,834	\$26,370	465	49,380	\$359,981
Estuary Total		727	72,701	\$612,869	626	68,810	\$443,825	757	98,354	\$444,560	2,109	239,865	\$1,501,254
Manning River	Dredge	26	2,611	\$22,011	11	1,256	\$8,101	8	1,084	\$4,900	46	4,951	\$35,012
	Floating Basket	0	0	\$0	18	2,000	\$12,900	42	5,500	\$24,860	60	7,500	\$37,760
	Longline Basket	0	0	\$0	1	100	\$645	0	0	\$0	1	100	\$645
	Stick	0	0	\$0	0	0	\$0	0	25	\$113	0	25	\$113
	Tray	50	4,984	\$42,015	57	6,280	\$40,506	26	3,325	\$15,029	133	14,589	\$97,550
Estuary Total		76	7,595	\$64,026	88	9,636	\$62,152	76	9,934	\$44,902	240	27,165	\$171,080
Wallis Lake	Floating Basket	2	230	\$1,939	27	2,940	\$18,963	67	8,710	\$39,369	96	11,880	\$60,271
	Slats	167	16,740	\$141,118	233	25,575	\$164,959	185	24,050	\$108,706	585	66,365	\$414,783
	Stick	327	32,658	\$275,307	483	53,116	\$342,598	745	96,844	\$437,735	1,554	182,618	\$1,055,640
	Tray	1,928	192,771	\$1,625,060	4,335	476,834	\$3,075,579	6,586	856,196	\$3,870,006	12,849	1,525,801	\$8,570,645
Estuary Total		2,424	242,399	\$2,043,424	5,077	558,465	\$3,602,099	7,583	985,800	\$4,455,816	15,084	1,786,664	\$10,101,339
Port Stephens	Floating Basket	101	10,100	\$85,143	14	1,583	\$10,210	0	0	\$0	115	11,683	\$95,353
	Longline Basket	43	4,340	\$36,586	11	1,155	\$7,450	1	144	\$651	55	5,639	\$44,687
	Stick	101	10,147	\$85,539	208	22,900	\$147,705	253	32,840	\$148,437	562	65,887	\$381,681
	Tray	2,864	286,362	\$2,414,032	1,925	211,758	\$1,365,839	994	129,183	\$583,907	5,782	627,303	\$4,363,778
Estuary Total		3,109	310,949	\$2,621,300	2,158	237,396	\$1,531,204	1,247	162,167	\$732,995	6,515	710,512	\$4,885,499

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 (\$)
Brisbane Water	Floating Basket	0	0	\$0	36	4,000	\$25,800	23	3,000	\$13,560	59	7,000	\$39,360
	Longline Basket	0	0	\$0	0	0	\$0	82	10,600	\$47,912	82	10,600	\$47,912
	Raft/Pontoon	1	90	\$759	10	1,100	\$7,095	0	0	\$0	11	1,190	\$7,854
	Tray	388	38,845	\$327,463	428	47,067	\$303,582	662	86,080	\$389,082	1,478	171,992	\$1,020,127
Estuary Total		389	38,935	\$328,222	474	52,167	\$336,477	767	99,680	\$450,554	1,630	190,782	\$1,115,253
Hawkesbury River	Tray	34	3,428	\$28,898	30	3,327	\$21,459	0	0	\$0	65	6,755	\$50,357
Estuary Total		34	3,428	\$28,898	30	3,327	\$21,459	0	0	\$0	65	6,755	\$50,357
Crookhaven River	Floating Basket	81	8,133	\$68,561	82	8,990	\$57,986	69	9,005	\$40,703	232	26,128	\$167,249
	Longline Basket	0	0	\$0	2	250	\$1,613	4	500	\$2,260	6	750	\$3,873
	Tray	82	8,223	\$69,320	93	10,225	\$65,951	95	12,325	\$55,709	270	30,773	\$190,980
Estuary Total		164	16,356	\$137,881	177	19,465	\$125,549	168	21,830	\$98,672	508	57,651	\$362,102
Clyde River	Floating Basket	53	5,335	\$44,974	235	25,860	\$166,797	374	48,590	\$219,627	662	79,785	\$431,398
	Longline Basket	59	5,876	\$49,535	133	14,679	\$94,680	80	10,450	\$47,234	273	31,005	\$191,448
	Raft/Pontoon	14	1,430	\$12,055	45	5,000	\$32,250	162	21,000	\$94,920	221	27,430	\$139,225
	Stick	44	4,445	\$37,471	96	10,520	\$67,854	208	27,088	\$122,438	348	42,053	\$227,763
	Tray	821	82,099	\$692,095	1,539	169,339	\$1,092,237	2,114	274,817	\$1,242,173	4,474	526,255	\$3,026,504
Estuary Total		992	99,185	\$836,130	2,049	225,398	\$1,453,817	2,938	381,945	\$1,726,391	5,979	706,528	\$4,016,338
Tuross Lake	Floating Basket	118	11,766	\$99,187	70	7,698	\$49,652	9	1,120	\$5,062	196	20,584	\$153,902
	Longline Basket	1	140	\$1,180	2	174	\$1,122	0	0	\$0	3	314	\$2,303
	Tray	55	5,520	\$46,534	9	1,000	\$6,450	8	1,000	\$4,520	72	7,520	\$57,504
Estuary Total		174	17,426	\$146,901	81	8,872	\$57,224	16	2,120	\$9,582	271	28,418	\$213,708
Wagonga Inlet	Floating Basket	0	0	\$0	0	0	\$0	25	3,200	\$14,464	25	3,200	\$14,464
	Slats	3	300	\$2,529	17	1,900	\$12,255	16	2,100	\$9,492	36	4,300	\$24,276
	Tray	395	39,543	\$333,347	538	59,131	\$381,395	828	107,674	\$486,686	1,761	206,348	\$1,201,429
Estuary Total		398	39,843	\$335,876	555	61,031	\$393,650	869	112,974	\$510,642	1,822	213,848	\$1,240,169
Wapengo Lake	Floating Basket				47	5,115	\$32,992	10	1,280	\$5,786	56	6,395	\$38,777
	Tray	135	13,482	\$113,653	201	22,068	\$142,339	73	9,462	\$42,768	408	45,012	\$298,760
Estuary Total		135	13,482	\$113,653	247	27,183	\$175,330	83	10,742	\$48,554	465	51,407	\$337,537
Merimbula Lake	Floating Basket	259	25,883	\$218,194	606	66,608	\$429,622	437	56,754	\$256,528	1,301	149,245	\$904,343
	Longline Basket	10	1,000	\$8,430	18	2,000	\$12,900	23	3,000	\$13,560	51	6,000	\$34,890
	Stick	0	0	\$0	0	0	\$0	29	3,829	\$17,307	29	3,829	\$17,307
	Tray	225	22,535	\$189,970	515	56,666	\$365,496	280	36,455	\$164,777	1,021	115,656	\$720,242
Estuary Total		494	49,418	\$416,594	1,139	125,274	\$808,017	770	100,038	\$452,172	2,403	274,730	\$1,676,783
Pambula River	Floating Basket	192	19,156	\$161,485	213	23,433	\$151,143	267	34,666	\$156,690	671	77,255	\$469,318
	Longline Basket	108	10,759	\$90,698	38	4,200	\$27,090	12	1,609	\$7,273	158	16,568	\$125,061
	Raft/Pontoon	1	86	\$725	6	621	\$4,005	3	448	\$2,025	10	1,155	\$6,755

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 (\$)
	Tray	380	38,012	\$320,441	395	43,409	\$279,988	595	77,294	\$349,369	1,369	158,715	\$949,798
Estuary Total		680	68,013	\$573,350	651	71,663	\$462,226	877	114,017	\$515,357	2,209	253,693	\$1,550,933
Wonboyn River	Floating Basket	231	23,084	\$194,598	146	16,104	\$103,871	56	7,232	\$32,689	433	46,420	\$331,158
	Tray	107	10,679	\$90,024	56	6,183	\$39,880	10	1,250	\$5,650	173	18,112	\$135,554
Estuary Total		338	33,763	\$284,622	203	22,287	\$143,751	65	8,482	\$38,339	605	64,532	\$466,712
*Others	Floating Basket	46	4,623	\$38,972	88	9,717	\$62,675	202	26,227	\$118,546	336	40,567	\$220,193
	Raft/Pontoon	107	10,688	\$90,100	103	11,350	\$73,208	122	15,875	\$71,755	332	37,913	\$235,062
	Stick	0	0	\$0	0	0	\$0	4	500	\$2,260	4	500	\$2,260
	Tray	517	51,727	\$436,059	259	28,500	\$183,825	308	40,070	\$181,116	1,085	120,297	\$801,000
*Others Total		670	67,038	\$565,130	451	49,567	\$319,707	636	82,672	\$373,677	1,757	199,277	\$1,258,515
TOTALS		11,570	1,157,028	\$9,753,746	15,509	1,705,952	\$11,003,390	18,310	2,380,254	\$10,758,748	45,389	5,243,234	\$31,515,885

*Others not named for confidentiality include: Tweed River, Richmond River, Clarence 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 & \$ 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							15	2,000	\$9,040	15	2,000	\$9,040
Interstate	654	65,388	\$551,221	1,604	176,415	\$1,137,877	3,789	492,609	\$2,226,593	6,047	734,412	\$3,915,690
Local	2,640	264,005	\$2,225,562	4,149	456,380	\$2,943,651	4,190	544,723	\$2,462,148	10,979	1,265,108	\$7,631,361
Rest of NSW	866	86,558	\$729,684	1,822	200,419	\$1,292,703	2,328	302,598	\$1,367,743	5,015	589,575	\$3,390,129
Sydney	7,411	741,077	\$6,247,279	7,934	872,738	\$5,629,160	7,987	1,038,324	\$4,693,224	23,332	2,652,139	\$16,569,664
Totals	11,570	1,157,028	\$9,753,746	15,509	1,705,952	\$11,003,390	18,310	2,380,254	\$10,758,748	45,389	5,243,234	\$31,515,885

Please Note: Due to rounding effect there may be some small variances in bag quantities & \$ 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 (\$)
Dredge	26	2,611	\$22,011	11	1,256	\$8,101	8	1,084	\$4,900	46	4,951	\$35,012
Floating Basket	1,172	117,228	\$988,232	1,831	201,398	\$1,299,017	2,069	268,917	\$1,215,505	5,072	587,543	\$3,502,754
Longline Basket	244	24,355	\$205,313	269	29,622	\$191,062	321	41,694	\$188,457	834	95,671	\$584,831
Raft/Pontoon	849	84,939	\$716,036	1,122	123,400	\$795,930	1,403	182,397	\$824,434	3,374	390,736	\$2,336,400
Slats	188	18,779	\$158,307	292	32,139	\$207,297	283	36,741	\$166,069	763	87,659	\$531,673
Stick	473	47,250	\$398,318	787	86,536	\$558,157	1,239	161,126	\$728,290	2,499	294,912	\$1,684,764
Tray	8,619	861,866	\$7,265,530	11,196	1,231,601	\$7,943,826	12,987	1,688,295	\$7,631,093	32,802	3,781,762	\$22,840,450
Totals	11,570	1,157,028	\$9,753,746	15,509	1,705,952	\$11,003,390	18,310	2,380,254	\$10,758,748	45,389	5,243,234	\$31,515,885

Please Note: Due to rounding effect there may be some small variances in bag quantities & \$ 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 *	3	30	14(22)	11(16)	12(17)	9(14)	7(10)	7(11)	4(6)	3(4)	100
Number of Permit Holders	10	98	47	36	38	31	22	24	14	8	328
Quantity Produced (bags)			491	1,293	2,825	3,914	4,444	8,303	9,110	15,014	45,394
Quantity Produced (dozens)			54,857	146,494	318,626	441,578	506,852	955,848	1,068,101	1,750,878	5,243,234
Percentage of production (dozens)			1	3	6	8	10	18	20	34	100
Total Value (\$)			\$348,734	\$915,786	\$2,027,671	\$2,809,652	\$3,136,997	\$5,778,999	\$6,216,119	\$10,281,928	\$31,515,885

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

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

Figure B: Percentage of Oyster Permit Holders by Production Range

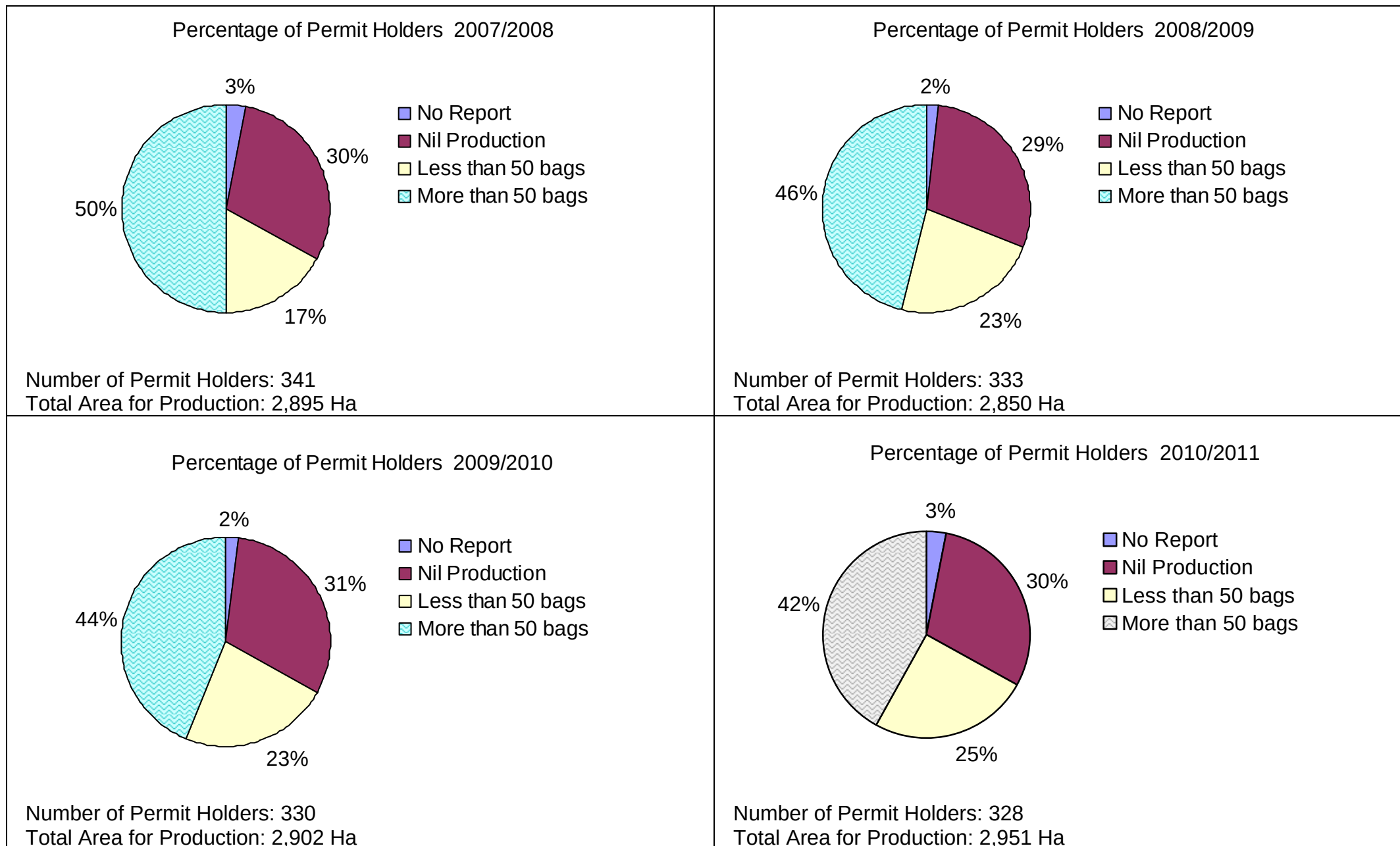


Table 9: Sydney Rock Oyster Sales by Estuary

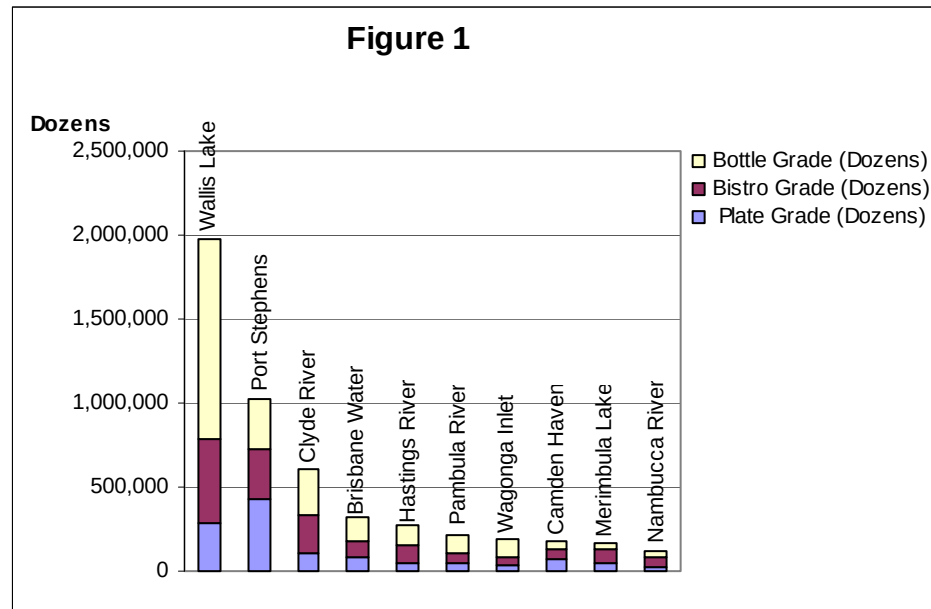
Estuary	Plate Grade			Bistro Grade			Bottle Grade			Total		
	Bags	Dozens	Value (\$)	Bags	Dozens	Value (\$)	Bags	Dozens	Value (\$)	Bags	Dozens	Value (\$)
Nambucca River	375	37,457	\$315,763	630	69,349	\$447,301	275	35,715	\$161,432	1,280	142,521	\$924,495
Macleay River	38	3,836	\$32,337	79	8,699	\$56,109	114	14,777	\$66,792	231	27,312	\$155,238
Hastings River	352	35,204	\$296,770	794	87,363	\$563,491	1,069	139,007	\$628,312	2,216	261,574	\$1,488,573
Camden Haven	727	72,701	\$612,869	626	68,810	\$443,825	757	98,354	\$444,560	2,109	239,865	\$1,501,254
Manning River	76	7,595	\$64,026	88	9,636	\$62,152	76	9,934	\$44,902	240	27,165	\$171,080
Wallis Lake	2,424	242,399	\$2,043,424	5,077	558,465	\$3,602,099	7,583	985,800	\$4,455,816	15,084	1,786,664	\$10,101,339
Port Stephens	3,109	310,949	\$2,621,300	2,158	237,396	\$1,531,204	1,247	162,167	\$732,995	6,515	710,512	\$4,885,499
Brisbane Water	389	38,935	\$328,222	474	52,167	\$336,477	767	99,680	\$450,554	1,630	190,782	\$1,115,253
Hawkesbury River	34	3,428	\$28,898	30	3,327	\$21,459	0	0	\$0	65	6,755	\$50,357
Crookhaven River	164	16,356	\$137,881	177	19,465	\$125,549	168	21,830	\$98,672	508	57,651	\$362,102
Clyde River	992	99,185	\$836,130	2,049	225,398	\$1,453,817	2,938	381,945	\$1,726,391	5,979	706,528	\$4,016,338
Tuross Lake	174	17,426	\$146,901	81	8,872	\$57,224	16	2,120	\$9,582	271	28,418	\$213,708
Wagonga Inlet	398	39,843	\$335,876	555	61,031	\$393,650	869	112,974	\$510,642	1,822	213,848	\$1,240,169
Wapengo Lake	135	13,482	\$113,653	247	27,183	\$175,330	83	10,742	\$48,554	465	51,407	\$337,537
Merimbula Lake	494	49,418	\$416,594	1,139	125,274	\$808,017	770	100,038	\$452,172	2,403	274,730	\$1,676,783
Pambula River	680	68,013	\$573,350	651	71,663	\$462,226	877	114,017	\$515,357	2,209	253,693	\$1,550,933
Wonboyn River	338	33,763	\$284,622	203	22,287	\$143,751	65	8,482	\$38,339	605	64,532	\$466,712
*Others	670	67,038	\$565,130	451	49,567	\$319,707	636	82,672	\$373,677	1,757	199,277	\$1,258,515
Total	11,570	1,157,028	\$9,753,746	15,509	1,705,952	\$11,003,390	18,310	2,380,254	\$10,758,748	45,389	5,243,234	\$31,515,885

*Others not named for confidentiality include: Tweed River, Richmond River, Clarence River, Bellinger River, Botany Bay, Shoalhaven River, Wallaga Lake, Bermagui River, Nelson Lagoon & Bega River.

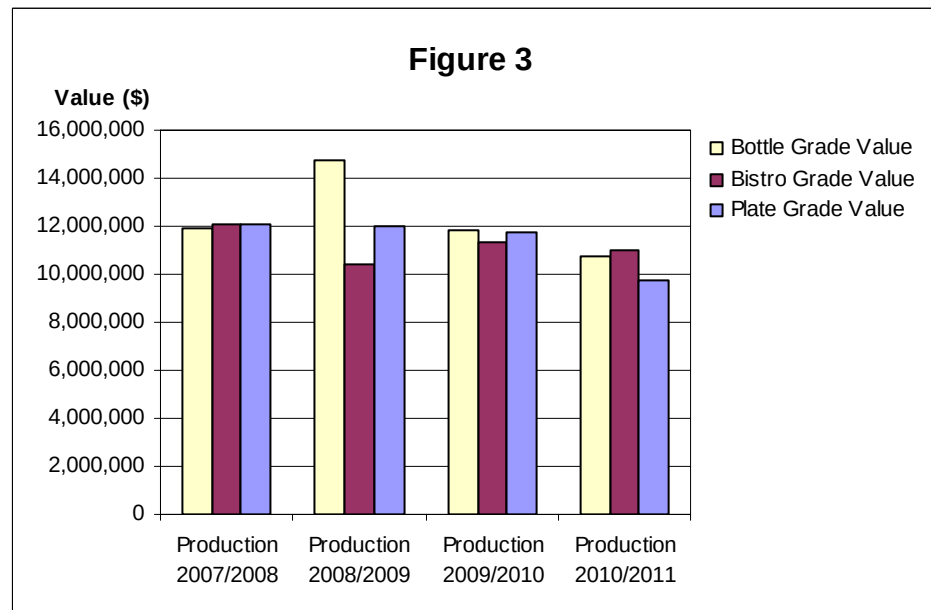
Please note: Due to rounding effect there may be some small variances in bag quantities & \$ value.

Figure C: Comparative Graphs: Sydney Rock Oyster (SRO) Production

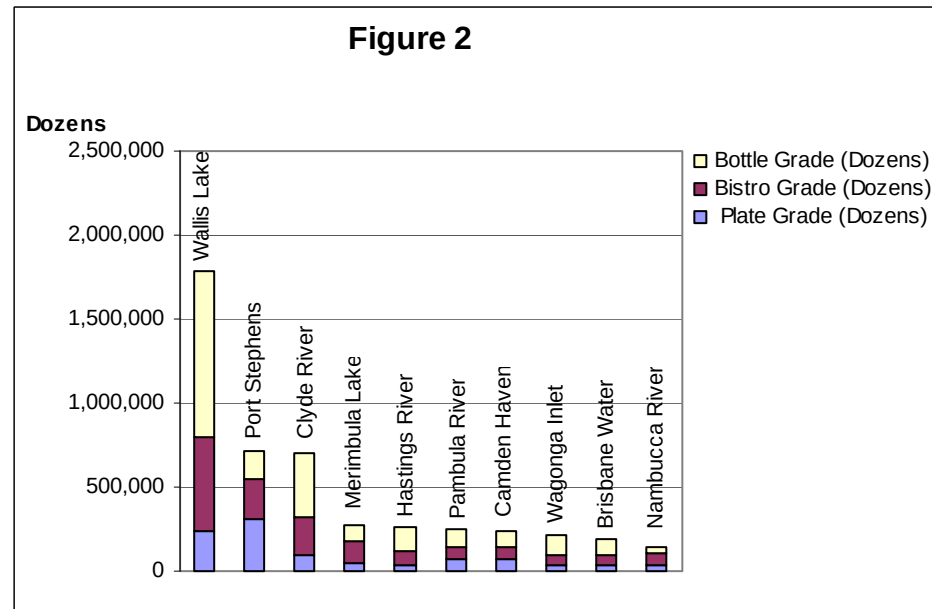
The ten most productive estuaries for cultivation and sale of SRO in 2009/2010



Value of plate, bistro and bottle/cocktail grade SRO production in 2007/2008, 2008/2009 and 2009/2010 compared to 2010/2011



The ten most productive estuaries for the cultivation and sale of SRO in 2010/2011



Quantity of plate, bistro and bottle/cocktail grade SRO production in 2007/2008, 2008/2009 and 2009/2010 compared to 2010/2011

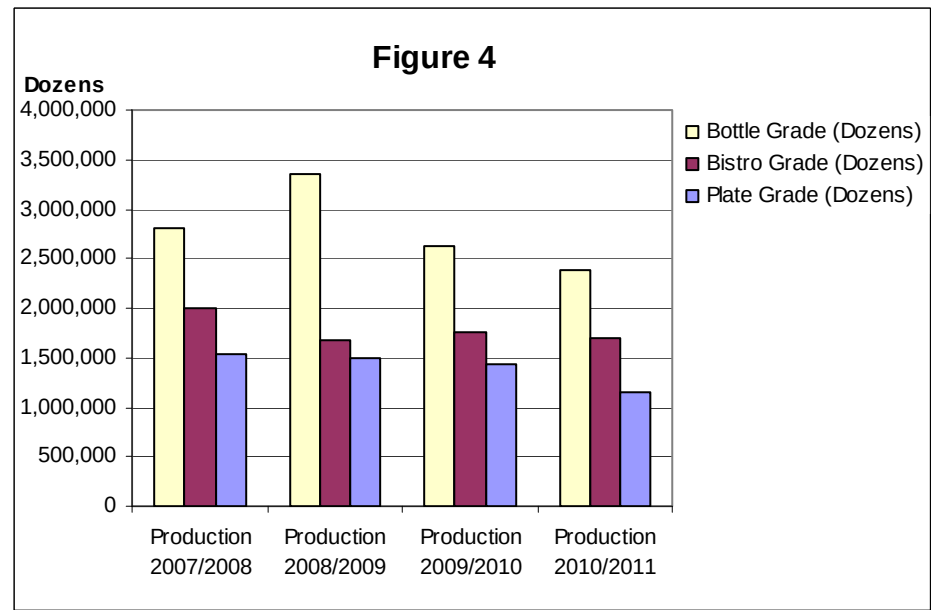


Table 10: Pacific Oyster Sales from Port Stephens

	Grade 1			Grade 2			Grade 3			Total		
	Bags	Dozens	Value (\$)	Bags	Dozens	Value (\$)	Bags	Dozens	Value (\$)	Bags	Dozens	Value (\$)
Total	1,102	83,734	\$651,451	439	52,647	\$340,626	280	42,062	\$226,714	1,821	178,443	\$1,218,791

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 (\$)
Floating Basket	120	9,113	\$70,899	105	12,609	\$81,580	65	9,820	\$52,930	290	31,542	\$205,409
Longline Basket	630	47,866	\$372,397	219	26,299	\$170,155	177	26,548	\$143,094	1,026	100,713	\$685,646
Stick	11	800	\$6,224	8	1,000	\$6,470	27	4,000	\$21,560	46	5,800	\$34,254
Tray	342	25,955	\$201,930	106	12,739	\$82,421	11	1,694	\$9,131	459	40,388	\$293,482
Total	1,102	83,734	\$651,451	439	52,647	\$340,626	280	42,062	\$226,714	1,821	178,443	\$1,218,791

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	158	\$1,229	70	8,347	\$54,005	67	10,064	\$54,245	139	18,569	\$109,479
Local	206	15,683	\$122,014	121	14,524	\$93,970	43	6,499	\$35,030	371	36,706	\$251,014
Rest of NSW	230	17,502	\$136,166	91	10,935	\$70,749	64	9,660	\$52,067	386	38,097	\$258,982
Sydney	663	50,391	\$392,042	157	18,841	\$121,901	106	15,839	\$85,372	926	85,071	\$599,315
Total	1,102	83,734	\$651,451	439	52,647	\$340,626	280	42,062	\$226,714	1,821	178,443	\$1,218,791

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	35	1,408	\$14,502	122	7,340	\$60,849	117	9,384	\$65,406	275	18,132	\$140,757
Hawkesbury River	2,051	82,025	\$844,858	2,212	132,723	\$1,100,274	1,023	81,872	\$570,648	5,286	296,620	\$2,515,779
Crookhaven River	53	2,138	\$22,021	87	5,235	\$43,398	65	5,229	\$36,446	206	12,602	\$101,866
*Others	50	1,988	\$20,476	116	6,979	\$57,856	203	16,228	\$113,109	369	25,195	\$191,441
T	2,189	87,559	\$901,857	2,538	152,277	\$1,262,376	1,409	112,713	\$785,609	6,136	352,549	\$2,949,843

*Others not named for confidentiality include: Botany Bay, Patonga Creek, Georges River & Shoalhaven River.

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	149	5,969	\$61,481	220	13,213	\$109,536	174	13,902	\$96,897	543	33,084	\$267,913
Longline Basket	431	17,250	\$177,675	285	17,100	\$141,759	113	9,000	\$62,730	829	43,350	\$382,164
Tray	1,609	64,340	\$662,702	2,033	121,964	\$1,011,082	1,123	89,811	\$625,983	4,764	276,115	\$2,299,766
Total	2,189	87,559	\$901,858	2,538	152,277	\$1,262,376	1,409	112,713	\$785,610	6,136	352,549	\$2,949,843

Table 15: Triploid Pacific Oyster Sales by Market

Market Description	Supreme Grade			Premium Grade			Standard Grade			Total		
		Dozen	Value (\$)	Bags	Dozen	Value (\$)	Bags	Dozen	Value (\$)	Bags	Dozen	Value (\$)
Interstate	8	316	\$3,255	142	8,526	\$70,681	130	10,434	\$72,725	280	19,276	\$146,660
Local	458	18,310	\$188,593	354	21,210	\$175,831	173	13,856	\$96,576	984	53,376	\$461,000
Rest of NSW	4	154	\$1,586	38	2,260	\$18,735	24	1,936	\$13,494	66	4,350	\$33,816
Sydney	1,719	68,779	\$708,424	2,005	120,281	\$997,129	1,081	86,487	\$602,814	4,805	275,547	\$2,308,367
Total	2,189	87,559	\$901,858	2,538	152,277	\$1,262,376	1,409	112,713	\$785,610	6,136	352,549	\$2,949,843

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	\$52,985	\$73,265	\$245,872	\$372,122
Wild Caught Stock	\$1,574,388	\$203,250	\$159,200	\$1,936,838
Total	\$1,627,373	\$276,515	\$405,072	\$2,308,960

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	
		Value (\$)	Quantity	Value (\$)	Quantity	Value (\$)	Quantity	Value (\$)
Hastings River	9,660,540	\$999,095	1,305,000	\$93,500	2,800,000	\$46,000	13,765,540	\$1,138,595
Port Stephens	1,884,505	\$248,157	928,700	\$66,318	7,264,700	\$184,118	10,077,905	\$498,593
*Others	4,767,200	\$380,121	1,466,400	\$116,697	4,431,000	\$174,954	10,664,600	\$671,772
Total	16,312,245	\$1,627,373	3,700,100	\$276,515	14,495,700	\$405,072	34,508,045	\$2,308,960

*Others not named for confidentiality reasons include: Wooli Wooli River, Bellinger River, Nambucca River, Macleay River, Camden Haven, Manning River, Wallis Lake, Brisbane Water, Hawkesbury River, Moruya River, Wagonga Inlet, Pambula Lake & 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 \$843.00 per bag.

1 bag of Bistro Grade Oysters = 110 dozen @ a Farm Gate Price of \$709.50 per bag.

1 bag of Bottle/Cocktail Grade Oysters = 130 dozen @ a Farm Gate Price of \$587.60 per bag.

Pacific Oysters

1 bag of Grade 1 (Select and Prime) Pacific Oysters = 76 dozen @ a Farm Gate Price of \$591.28 per bag.

1 bag of Grade 2 (Bistro) Pacific Oysters = 120 dozen @ a Farm Gate Price of \$776.40 per bag.

1 bag of Grade 3 (Mini) Pacific Oysters = 150 dozen @ a Farm Gate Price of \$808.50 per bag.

Triploid Pacific Oysters

1 bag of Triploid Supreme Oysters = 40 dozen @ Farm Gate Price of \$412.00 per bag.

1 bag of Triploid Premium Oysters = 60 dozen @ Farm Gate Price of \$497.40 per bag.

1 bag of Triploid Standard Oysters = 80 dozen @ Farm Gate Price of \$557.60 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.