

AQUACULTURE PRODUCTION

Report 2006-07



Title: Aquaculture production report 2006–2007

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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 2006 to 30 June 2007. 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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Minister's message

It is my great pleasure to present the NSW Government's Aquaculture Production report for the 2006-2007 financial year.

The NSW aquaculture sector is recognised as a major contributor to seafood production in NSW. The industry provides employment and contributes significantly to local and regional communities by providing ecological sustainable development through partnership with the aquaculture industry, community and stakeholders.

NSW total Aquaculture production increased in value to \$49.3 million in 2006-2007. The value of the Sydney rock oyster industry rose by 6.1 percent to \$34.6 million. The Hawkesbury River has shown a significant increase in production compared to last year which reflects the tremendous effort farmers have put in to re-establish viability in the marketplace following the impacts of QX oyster disease.

Oyster spat increased in value to \$2.1 million with significant volumes of Pacific and Angasi (flat) oysters also being produced in the 2006-2007 financial year.

Despite the ongoing impacts of drought, the land based fish farming remains comparable to last financial year. There was a positive increase in the production of Murray cod, Barramundi and Rainbow trout with hatchery increasing in value to \$1.5 million.

Prawn farmers continue to feel the pressure to remain competitive in a market of cheaper imported prawns. There was a significant decrease in production levels and farm gate price resulting in a 7 percent decrease in value to \$2.5 million.

I would like to thank all aquaculture farm operators who contributed to this report, as their on-going cooperation is invaluable. I look forward to watching the continued growth of the NSW aquaculture industry.



A handwritten signature in black ink, appearing to read 'Ian Macdonald'. The signature is written in a cursive style.

Ian Macdonald, MLC
NSW Minister for Primary Industries

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Table 1: Snapshot of Aquaculture Production for 2006/2007

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>	12	N/a	90.2	198,671	12.98	\$2,579,620	
	yabby	<i>Cherax destructor</i>	115	20	**353.72	6,758	19.70	\$133,172	
	yabby (bait)	<i>Cherax destructor</i>						\$123,693	
Freshwater fish	barramundi	<i>Lates calcarifer</i>	9	N/a	0.5	113,679	10.62	\$1,207,486	
	brown trout	<i>Salmo trutta</i>	13	N/a	0.1	42	16.97	\$713	
	eel-long finned	<i>Anguilla reinhardtii</i>	23	N/a	4.27	5,182	10.52	\$54,528	
	golden perch	<i>Macquaria ambigua</i>	103	N/a	0.3	750	20.00	\$15,000	
	Murray cod	<i>Maccullochella peelii</i>	64	7	1.46	16,082	20.59	\$331,170	
	rainbow trout	<i>Oncorhynchus mykiss</i>	28	7	9.44	217,082	7.68	\$1,667,731	
	silver perch	<i>Bidyanus bidyanus</i>	116	35	53.63	232,062	10.31	\$2,393,079	
	Marine fish	mulloway	<i>Argyrosomus japonicus</i>	21	N/a	4.9	9,694	9.59	\$92,943
	Sub total								\$8,599,135
Hatchery	Hatchery (species)	(see hatchery production table)						\$1,538,390	
Mollusc - oysters	Sydney rock oyster	<i>Saccostrea glomerata</i> (see oyster production tables)						\$34,592,579	
	Pacific oyster	<i>Crassostrea gigas</i> (see oyster production tables)						\$1,004,762	
	Triploid Pacific oyster	<i>Crassostrea gigas</i>						\$571,644	
	flat oysters	<i>Ostrea angasi</i>						\$277,238	
	oyster spat	(see oyster production tables)						\$2,166,010	
*Other								\$552,228	
Total \$ Value								\$49,301,986	

N/a = not available due to confidentiality e.g. fewer than five permits.

*Other = Due to confidentiality these figures are included under this category. Species include, blue mussel *Mytilus galloprovincialis*, pearl oyster *Pinctada imbricata*, sleepy cod *Oxyeleotris lineolatus* and tube worm *Diopatra dentata*.

**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 2006/2007

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>	12	N/a	90.2	198,671	12.98	\$2,579,620
	yabby	<i>Cherax destructor</i>	115	20	**353.72	6,758	19.70	\$133,172
	yabby (bait)	<i>Cherax destructor</i>						\$123,693
Freshwater fish	barramundi	<i>Lates calcarifer</i>	9	N/a	0.5	113,679	10.62	\$1,207,486
	brown trout	<i>Salmo trutta</i>	13	N/a	0.1	42	16.97	\$713
	eel-long finned	<i>Anguilla reinhardtii</i>	23	N/a	4.27	5,182	10.52	\$54,528
	golden perch	<i>Macquaria ambigua</i>	103	N/a	0.3	750	20.00	\$15,000
	Murray cod	<i>Maccullochella peelii</i>	64	7	1.46	16,082	20.59	\$331,170
	rainbow trout	<i>Oncorhynchus mykiss</i>	28	7	9.44	217,082	7.68	\$1,667,731
	silver perch	<i>Bidyanus bidyanus</i>	116	35	53.63	232,062	10.31	\$2,393,079
	Marine fish	mulloway	<i>Argyrosomus japonicus</i>	21	N/a	4.9	9,694	9.59
*Other								\$551,228
Total \$ Value								\$9,150,363

N/a = not available due to confidentiality e.g. fewer than five permits

*Other = Due to confidentiality these figures are included under this category. Species include, blue mussel *Mytilus galloprovincialis*, tube worm *Diopatra dentata*, sleepy cod *Oxyeleotris lineolatus*.

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

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

Table 3: Commercial Hatchery Production 2006/2007

Grouping	Common Name	Scientific Name	Number of Permits	Hatcheries Producing	Product Description	Quantity	Average Price per Unit (\$)	Total Value (\$)
Crustaceans	black tiger prawn	<i>Penaeus monodon</i>	7	N/a	Prawn post-larvae (per 1,000)	1,600	0.01	\$24,000
Freshwater fish	aquarium species	Various species	5	N/a	Fish fingerlings (per individual)	180,713	0.99	\$179,418
	Australian bass	<i>Macquaria novemaculeata</i>	15	N/a	Fish fingerlings (per individual)	282,289	0.48	\$135,287
	eel tailed catfish	<i>Tandanus tandanus</i>	22	N/a	Fish fingerlings (per individual)	12,405	1.32	\$16,422
	golden perch	<i>Macquaria ambigua</i>	38	7	Fish fingerlings (per individual)	1,358,148	0.24	\$320,636
	goldfish	<i>Carassius auratus</i>	9	N/a	Fish fingerlings (per individual)	80,980	0.54	\$44,052
	koi carp	<i>Cyprinus carpio</i>	8	6	Fish fingerlings (per individual)	274,650	0.56	\$154,315
	Murray cod	<i>Maccullochella peelii</i>	20	5	Fish fingerlings (per individual)	781,434	0.55	\$437,000
					Fish fry	280,000	0.16	\$46,000
	rainbow trout	<i>Oncorhynchus mykiss</i>	12	N/a	Fish fingerlings (per individual)	54,411	0.70	\$38,204
	silver perch	<i>Bidyanus bidyanus</i>	41	12	Fish fingerlings (per individual)	513,349	0.27	\$137,616
*Other								\$5,440
Total Value								\$1,538,390

N/a = not available due to confidentiality e.g. fewer than five permits

*Other = Due to confidentiality these figures are included under this category. Species include silver bream *Acanthopagrus australis* & sand whiting *Sillago ciliata*.

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

Figure A: Comparative Graph of Non-Oyster Aquaculture Production

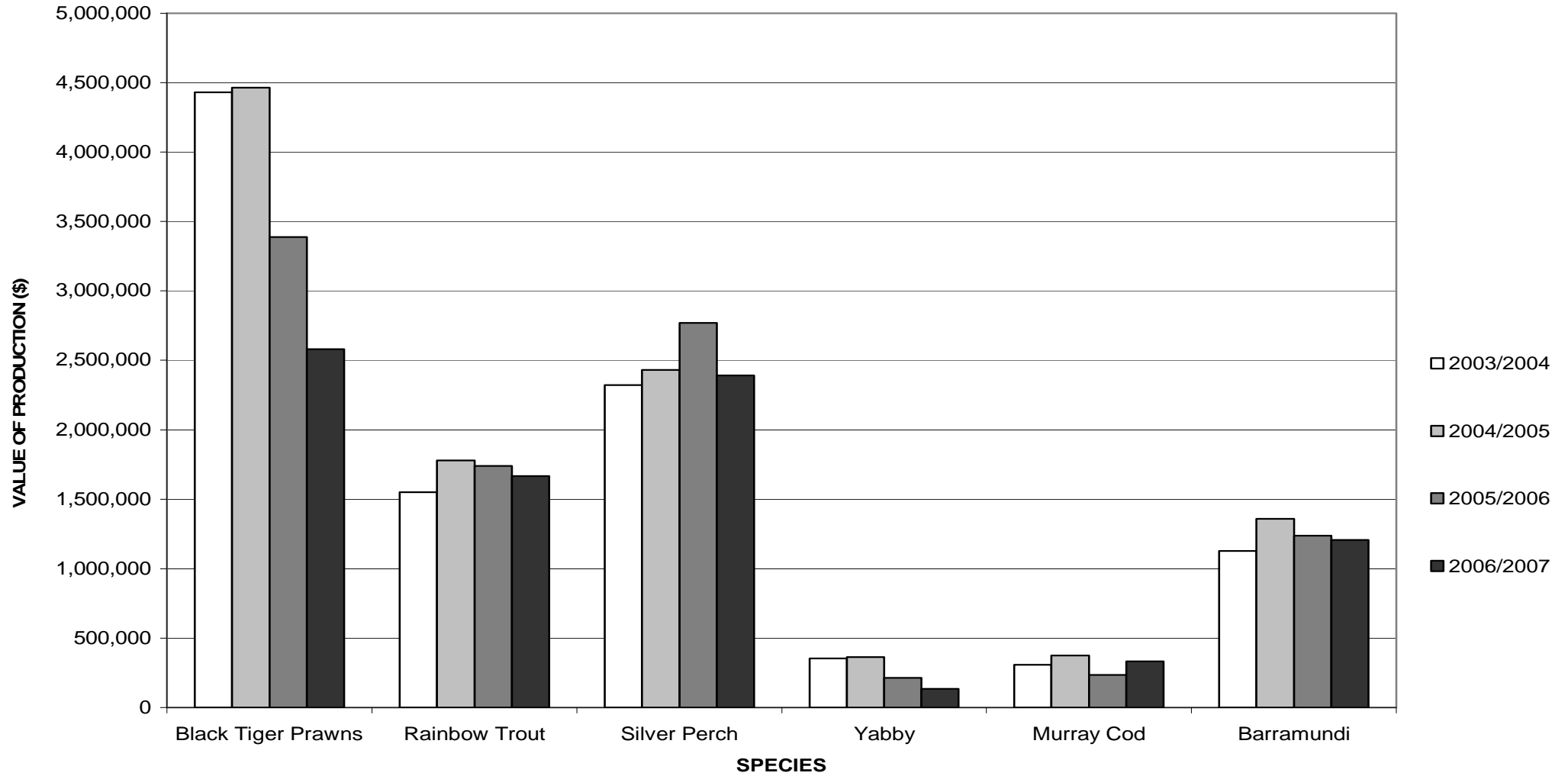


Table 4: Sydney Rock Oyster Production – 2003/2004, 2004/2005, 2005/2006 and 2006/2007 by Estuary

Estuary	Plate Grade Dozens				Bistro Grade Dozens				Bottle Grade Dozens				Total Dozens			
	03/04	04/05	05/06	06/07	03/04	04/05	05/06	06/07	03/04	04/05	05/06	06/07	03/04	04/05	05/06	06/07
Nambucca River	37,042	21,997	44,582	30,823	41,781	23,030	44,075	59,362	12,908	19,630	19,235	17,161	91,731	64,657	107,892	107,346
Macleay River	24,028	20,392	39,342	5,271	47,396	35,502	58,614	10,940	82,741	75,104	78,467	28,116	154,165	130,998	176,423	44,327
Hastings River	46,990	50,570	65,248	66,552	96,875	116,535	97,224	95,509	219,407	133,150	135,296	148,339	363,272	300,255	297,768	310,400
Camden Haven	72,352	75,400	110,511	88,608	38,629	60,462	71,667	77,415	85,246	129,285	129,995	145,530	196,227	265,147	312,173	311,553
Manning River	80,535	77,957	80,873	80,971	53,129	62,324	79,605	52,557	72,683	107,670	172,607	130,409	206,347	247,951	333,085	263,937
Wallis Lake	555,432	490,654	403,249	455,384	591,663	633,423	583,373	726,249	1,286,303	1,098,017	1,026,736	1,138,780	2,433,398	2,222,094	2,013,358	2,320,413
Port Stephens	271,171	249,250	248,028	292,611	273,721	206,823	196,873	200,773	248,988	233,018	271,708	189,167	793,880	689,091	716,609	682,551
Brisbane Water	146,500	146,435	108,261	43,000	112,404	126,799	122,770	61,377	356,497	246,526	260,593	167,998	615,401	519,760	491,624	272,375
Hawkesbury River	151,820	71,462	300	2,000	250,987	119,220	440	3,400	443,454	265,348	4,710	5,100	846,261	456,030	5,450	10,500
Shoalhaven River	18,343	24,098	12,224	18,814	9,240	13,054	13,717	14,320	58,336	3,633	8,842	15,541	85,919	40,785	34,783	48,675
Crookhaven River	26,331	27,267	34,968	36,472	28,694	36,248	40,799	34,430	48,429	58,245	54,757	51,732	103,454	121,760	130,524	122,634
Clyde River	181,133	196,422	203,277	152,254	286,408	393,392	270,543	210,894	455,139	488,153	426,335	407,189	922,680	1,077,967	900,155	770,337
Tuross Lake	5,093	9,074	12,688	27,250	26,644	33,940	28,780	30,090	36,750	30,645	30,400	22,875	68,487	73,659	71,868	80,215
Wagonga Inlet	14,900	19,980	29,628	32,200	125,543	69,906	83,551	114,027	112,570	125,511	143,509	171,172	253,013	215,397	256,688	317,399
Wapengo Lake	8,197	8,604	14,812	11,555	42,921	44,435	48,280	35,055	34,091	27,300	24,370	22,695	85,209	80,339	87,462	69,305
Merimbula Lake	129,778	106,119	62,495	116,760	107,138	43,280	63,611	74,407	40,838	42,159	73,801	59,994	277,754	191,558	199,907	251,161
Pambula River	27,625	35,062	27,600	40,467	41,197	59,940	50,117	63,943	61,430	83,524	87,082	92,484	130,252	178,526	164,799	196,894
Wonboyn River	8,738	28,001	24,356	2,6408	11,393	17,875	17,067	21,715	10,043	6,552	3,617	7,729	30,174	52,428	45,040	55,852
**Others	129,442	95,859	78,515	98,430	136,054	81,422	44,921	117,183	77,145	80,737	37,436	72,980	342,641	258,018	160,872	288,593
Totals	1,935,450	1,754,603	1,630,390	1,625,830	2,321,817	2,177,610	1,940,741	2,003,646	3,742,998	3,254,207	2,996,362	2,894,991	8,000,265	7,186,420	6,567,493	6,524,467

**Others not named for confidentiality include: Tweed River, Richmond River, Clarence River, Wooli Wooli River, Bellinger River, Hunter River, Patonga Creek, Botany Bay, Bermagui River & Nelson Lagoon.

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	Floating	82	8,200	\$60,598	55	6,050	\$33,820	25	3,250	\$12,773	162	17,500	\$107,190
	Raft/Pontoon	226	22,623	\$167,184	485	53,312	\$298,014	107	13,911	\$54,670	818	89,846	\$519,868
Estuary Total		308	30,823	\$227,782	540	59,362	\$331,834	132	17,161	\$67,443	980	107,346	\$627,058
Macleay River	Baskets	18	1,782	\$13,169	29	3,199	\$17,882	130	16,865	\$66,279	177	21,846	\$97,331
	Floating	6	644	\$4,759	2	249	\$1,392	3	353	\$1,387	11	1,246	\$7,538
	Raft/Pontoon	21	2,086	\$15,416	47	5,216	\$29,157	60	7,752	\$30,465	128	15,054	\$75,038
	Tray	8	759	\$5,609	21	2,276	\$12,723	24	3,146	\$12,364	52	6,181	\$30,696
	Estuary Total		53	5,271	\$38,953	99	10,940	\$61,155	216	28,116	\$110,496	368	44,327
Hastings River	Baskets	40	4,029	\$29,774	122	13,410	\$74,962	377	49,070	\$192,845	540	66,509	\$297,581
	Long-line	30	2,950	\$21,801	37	4,070	\$22,751	11	1,430	\$5,620	78	8,450	\$50,172
	Raft/Pontoon	94	9,385	\$69,355	117	12,876	\$71,977	254	32,994	\$129,666	465	55,255	\$270,998
	Tray	502	50,188	\$370,889	592	65,153	\$364,205	499	64,845	\$254,841	1,593	180,186	\$989,935
	Estuary Total		666	66,552	\$491,819	868	95,509	\$533,895	1,141	148,339	\$582,972	2,675	310,400
Camden Haven	Floating				10	1,100	\$6,149	277	36,000	\$141,480	287	37,100	\$147,629
	Raft/Pontoon	629	62,915	\$464,942	581	63,900	\$357,201	763	99,220	\$389,935	1,973	226,035	\$1,212,077
	Stick				50	5,500	\$30,745				50	5,500	\$30,745
	Tray	257	25,693	\$189,871	63	6,915	\$38,655	79	10,310	\$40,518	399	42,918	\$269,044
	Estuary Total		886	88,608	\$654,813	704	77,415	\$432,750	1,119	145,530	\$571,933	2,709	311,553
Manning River	Baskets	0	16	\$118	0	18	\$101	0	11	\$43	0	45	\$262
	Floating	3	250	\$1,848	8	825	\$4,612	25	3,250	\$12,773	35	4,325	\$19,232
	Long-line	68	6,750	\$49,883	17	1,825	\$10,202	33	4,250	\$16,703	117	12,825	\$76,787
	Stick							24	3,120	\$12,262	24	3,120	\$12,262
	Tray	740	73,955	\$546,527	454	49,889	\$278,880	921	119,778	\$470,728	2,114	243,622	\$1,296,135
	Estuary Total		810	80,971	\$598,376	478	52,557	\$293,794	1,003	130,409	\$512,507	2,291	263,937
Wallis Lake	Baskets	16	1,600	\$11,824	75	8,260	\$46,173	222	28,912	\$113,624	313	38,772	\$171,622
	Stick	469	46,925	\$346,776	664	73,078	\$408,506	327	42,510	\$167,064	1,461	162,513	\$922,346
	Tray	4,069	406,859	\$3,006,688	5,863	644,911	\$3,605,052	8,210	1,067,358	\$4,194,717	18,142	2,119,128	\$10,806,457
	Estuary Total		4,554	455,384	\$3,365,288	6,602	726,249	\$4,059,732	8,760	1,138,780	\$4,475,405	19,916	2,320,413
Port Stephens	Baskets	217	21,692	\$160,304	16	1,744	\$9,749	48	6,220	\$24,445	281	29,656	\$194,497
	Long-line	26	2,600	\$19,214	9	1,000	\$5,590	17	2,167	\$8,516	52	5,767	\$33,320

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 (\$)
	Stick	59	5,900	\$43,601	30	3,300	\$18,447	180	23,400	\$91,962	269	32,600	\$154,010
	Tray	2,624	262,419	\$1,939,276	1,770	194,729	\$1,088,535	1211	157,380	\$618,503	5,605	614,528	\$3,646,315
Estuary Total		2,926	292,611	\$2,162,395	1,825	200,773	\$1,122,321	1,455	189,167	\$743,426	6,206	682,551	\$4,028,143
Brisbane Water	Baskets	15	1,450	\$10,716	9	950	\$5,311	35	4,550	\$17,882	58	6,950	\$33,908
	Floating				145	16,000	\$89,440	545	70,880	\$278,558	691	86,880	\$367,998
	Long-line							71	9,170	\$36,038	71	9,170	\$36,038
	Raft/Pontoon	12	1,200	\$8,868	5	600	\$3,354				17	1,800	\$12,222
	Tray	404	40,350	\$298,187	398	43,827	\$244,993	642	83,398	\$327,754	1,443	167,575	\$870,934
Estuary Total		430	43,000	\$317,770	558	61,377	\$343,097	1,292	167,998	\$660,232	2,280	272,375	\$1,321,100
Hawkesbury River	Tray	20	2,000	\$14,780	31	3,400	\$19,006	39	5,100	\$20,043	90	10,500	\$53,829
Estuary Total		20	2,000	\$14,780	31	3,400	\$19,006	39	5,100	\$20,043	90	10,500	\$53,829
Shoalhaven River	Baskets	27	2,700	\$19,953				28	3,606	\$14,172	55	6,306	\$34,125
	Floating							8	1,040	\$4,087	8	1,040	\$4,087
	Long-line				71	7,800	\$43,602	40	5,200	\$20,436	111	13,000	\$64,038
	Tray	161	16,114	\$119,082	59	6,520	\$36,447	44	5,695	\$22,381	264	28,329	\$177,911
Estuary Total		188	18,814	\$139,035	130	14,320	\$80,049	120	15,541	\$61,076	438	48,675	\$280,160
Crookhaven River	Baskets	258	25,825	\$190,847	163	17,948	\$100,329	180	23,375	\$91,864	601	67,148	\$383,040
	Dredge							31	4,000	\$15,720	31	4,000	\$15,720
	Floating	32	3,150	\$23,279	6	640	\$3,578	14	1,775	\$6,976	51	5,565	\$33,832
	Tray	75	7,497	\$55,403	144	15,842	\$88,557	174	22,582	\$88,747	393	45,921	\$232,707
Estuary Total		365	36,472	\$269,528	313	34,430	\$192,464	398	51,732	\$203,307	1,076	122,634	\$665,299
Clyde River	Baskets	55	5,534	\$40,896	78	8,600	\$48,074	80	10,358	\$40,707	213	24,492	\$129,677
	Floating	390	39,000	\$288,210	212	23,334	\$130,437	238	31,000	\$121,830	841	93,334	\$540,477
	Raft/Pontoon	56	5,644	\$41,709	59	6,498	\$36,324	19	2,472	\$9,715	135	14,614	\$87,748
	Stick	148	14,777	\$109,202	112	12,330	\$68,925	874	113,605	\$446,468	1,134	140,712	\$624,594
	Tray	873	87,299	\$645,140	1,456	160,132	\$895,138	1,921	249,754	\$981,533	4,250	497,185	\$2,521,811
Estuary Total		1,523	152,254	\$1,125,157	1,917	210,894	\$1,178,897	3,132	407,189	\$1,600,253	6,572	770,337	\$3,904,307
Tuross Lake	Baskets	125	12,500	\$92,375	154	16,975	\$94,890	47	6,095	\$23,953	326	35,570	\$211,219
	Long-line	50	5,000	\$36,950	33	3,575	\$19,984	50	6,500	\$25,545	133	15,075	\$82,479
	Tray	98	9,750	\$72,053	87	9,540	\$53,329	79	10,280	\$40,400	263	29,570	\$165,782
Estuary Total		273	27,250	\$201,378	274	30,090	\$168,203	176	22,875	\$89,899	722	80,215	\$459,479

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 (\$)
Wagonga Inlet	Floating				1	110	\$615	4	455	\$1,788	5	565	\$2,403
	Long-line	18	1,800	\$13,302	6	632	\$3,533	15	2,000	\$7,860	39	4,432	\$24,695
	Stick	50	5,000	\$36,950	364	40,000	\$223,600	231	30,000	\$117,900	644	75,000	\$378,450
	Tray	254	25,400	\$187,706	666	73,285	\$409,663	1,067	138,717	\$545,158	1,987	237,402	\$1,142,527
Estuary Total		322	32,200	\$237,958	1,037	114,027	\$637,411	1,317	171,172	\$672,706	2,675	317,399	\$1,548,075
Wapengo Lake	Baskets	13	1,300	\$9,607	78	8,580	\$47,962	57	7,345	\$28,866	148	17,225	\$86,435
	Stick	60	6,020	\$44,488	97	10,700	\$59,813				157	16,720	\$104,301
	Tray	42	4,235	\$31,297	143	15,775	\$88,182	118	15,350	\$60,326	304	35,360	\$179,804
Estuary Total		116	11,555	\$85,391	319	35,055	\$195,957	175	22,695	\$89,191	609	69,305	\$370,540
Merimbula Lake	Floating	8	800	\$5,912	18	1,980	\$11,068	20	2,600	\$10,218	46	5,380	\$27,198
	Long-line	45	4,500	\$33,255	58	6,400	\$35,776	12	1,550	\$6,092	115	12,450	\$75,123
	Stick	185	18,500	\$136,715	25	2,750	\$15,373	70	9,100	\$35,763	280	30,350	\$187,851
	Tray	930	92,960	\$686,974	575	63,277	\$353,718	360	46,744	\$183,704	1,864	202,981	\$1,224,397
Estuary Total		1,168	116,760	\$862,856	676	74,407	\$415,935	461	59,994	\$235,776	2,306	251,161	\$1,514,568
Pambula River	Baskets	10	1,000	\$7,390							10	1,000	\$7,390
	Floating	52	5,214	\$38,531	36	3,911	\$21,862	16	2,133	\$8,383	104	11,258	\$68,777
	Long-line	32	3,200	\$23,648	1	120	\$671				33	3,320	\$24,319
	Tray	311	31,053	\$229,482	545	59,912	\$334,908	695	90,351	\$355,079	1,550	181,316	\$919,469
Estuary Total		405	40,467	\$299,051	581	63,943	\$357,441	711	92,484	\$363,462	1,697	196,894	\$1,019,955
Wonboyn River	Floating	227	22,706	\$167,797	171	18,774	\$104,947	34	4,422	\$17,378	432	45,902	\$290,122
	Long-line				3	321	\$1,794	3	407	\$1,600	6	728	\$3,394
	Tray	37	3,702	\$27,358	24	2,620	\$14,646	22	2,900	\$11,397	83	9,222	\$53,401
Estuary Total		264	26,408	\$195,155	197	21,715	\$121,387	59	7,729	\$30,375	521	55,852	\$346,917
Others	Baskets				2	176	\$984	12	1,585	\$6,229	14	1,761	\$7,213
	Raft/Pontoon	358	35,750	\$264,193	219	24,075	\$134,579	81	10,480	\$41,186	657	70,305	\$439,958
	Slats	5	485	\$3,584	54	5,954	\$33,283	100	13,050	\$51,287	159	19,489	\$88,154
	Tray	622	62,195	\$459,621	791	86,978	\$486,207	368	47,865	\$188,109	1,781	197,038	\$1,133,938
Others Total		985	98,430	\$727,398	1,066	117,183	\$655,053	561	72,980	\$286,811	2,612	288,593	\$1,669,262
TOTALS		16,258	1,625,830	\$12,014,884	18,215	2,003,646	\$11,200,381	22,269	2,894,991	\$11,377,315	56,744	6,524,467	\$34,592,579

Others not named for confidentiality include: Tweed River, Richmond River, Clarence River, Woolli Woolli River, Bellinger River, Hunter River, Patonga Creek, Botany Bay, Bermagui River & Nelson Lagoon. **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	37	3,740	\$27,639				12	1,500	\$5,895	49	5,240	\$33,534
Interstate	1,540	154,012	\$1,138,149	3,154	346,955	\$1,939,478	5,716	743,102	\$2,920,391	10,410	1,244,069	\$5,998,018
Local	4,008	400,839	\$2,962,200	4,491	494,002	\$2,761,471	4,682	608,703	\$2,392,203	13,182	1,503,544	\$8,115,874
NSW (Other than Sydney)	1,338	133,783	\$988,656	1,823	200,582	\$1,121,253	3,282	426,709	\$1,676,966	6,444	761,074	\$3,786,876
Sydney	9,335	933,456	\$6,898,240	8,746	962,107	\$5,378,178	8,577	1,114,977	\$4,381,860	26,658	3,010,540	\$16,658,278
Totals	16,258	1,625,830	\$12,014,884	18,215	2,003,646	\$11,200,381	22,269	2,894,991	\$11,377,315	56,742	6,524,467	\$34,592,579

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	794	79,428	\$586,973	726	79,860	\$446,417	1,215	157,992	\$620,909	2,736	317,280	\$1,654,299
Dredge							31	4,000	\$15,720	31	4,000	\$15,720
Floating	800	79,964	\$590,934	663	72,973	\$407,919	1,209	157,158	\$617,631	2,672	310,095	\$1,616,484
Long-line	268	26,800	\$198,052	234	25,743	\$143,903	251	32,674	\$128,409	753	85,217	\$470,364
Raft/Pontoon	1,396	139,603	\$1,031,666	1,513	166,477	\$930,606	1,283	166,829	\$655,638	4,193	472,909	\$2,617,911
Slats	5	485	\$3,584	54	5,954	\$33,283	100	13,050	\$51,287	159	19,489	\$88,154
Stick	971	97,122	\$717,732	1,342	147,658	\$825,408	1,706	221,735	\$871,419	4,019	466,515	\$2,414,558
Tray	12,024	1,202,428	\$8,885,943	13,682	1,504,981	\$8,412,844	16,473	2,141,553	\$8,416,303	42,179	4,848,962	\$25,715,090
Totals	16,258	1,625,830	\$12,014,884	18,215	2,003,646	\$11,200,381	22,269	2,894,991	\$11,377,315	56,742	6,524,467	\$34,592,579

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	Totals
Percentage of Permit Holders *	2	28	11 (15)	8 (12)	14 (21)	12 (17)	8 (12)	9 (12)	6 (8)	2 (3)	100
Number of Permit Holders	8	98	37	28	50	41	28	30	20	8	348
Quantity Produced (bags)	0	0	410	1,150	3,909	5,245	5,665	9,943	13,573	16,857	56,752
Quantity Produced (dozens)	0	0	45,901	130,565	448,104	589,330	634,689	1,132,248	1,562,654	1,980,976	6,524,467
Percentage of production (dozens)			1	2	7	9	10	17	24	30	100
Total Value (\$)			\$252,301	\$710,339	\$2,378,493	\$3,289,434	\$3,571,393	\$6,153,030	\$8,288,444	\$9,949,142	\$34,592,578

* 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

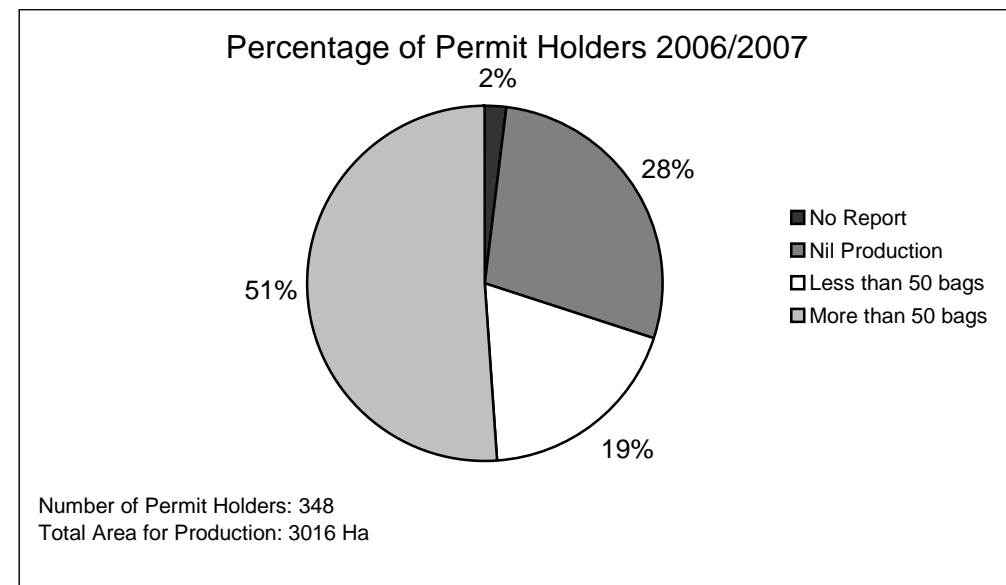
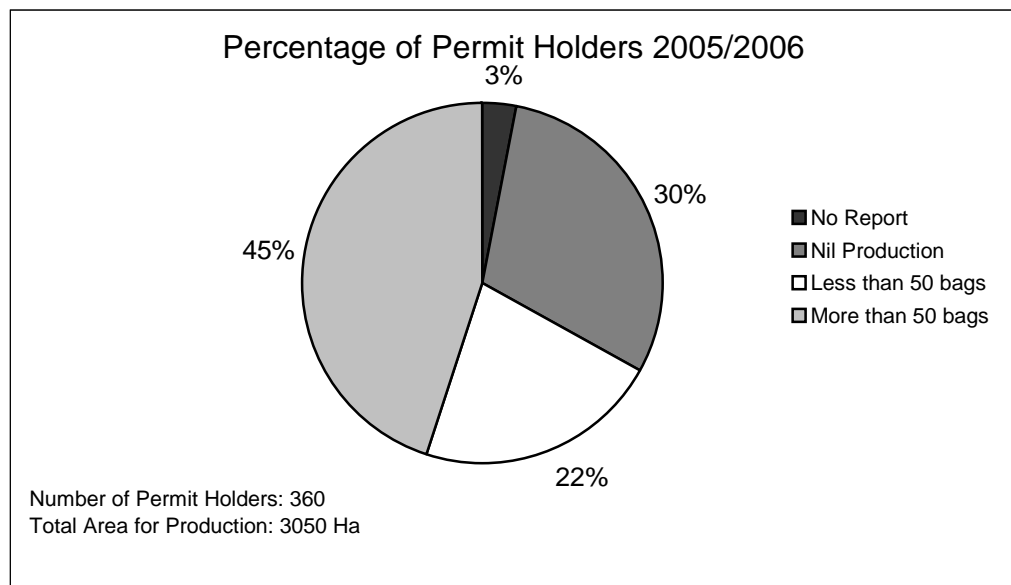
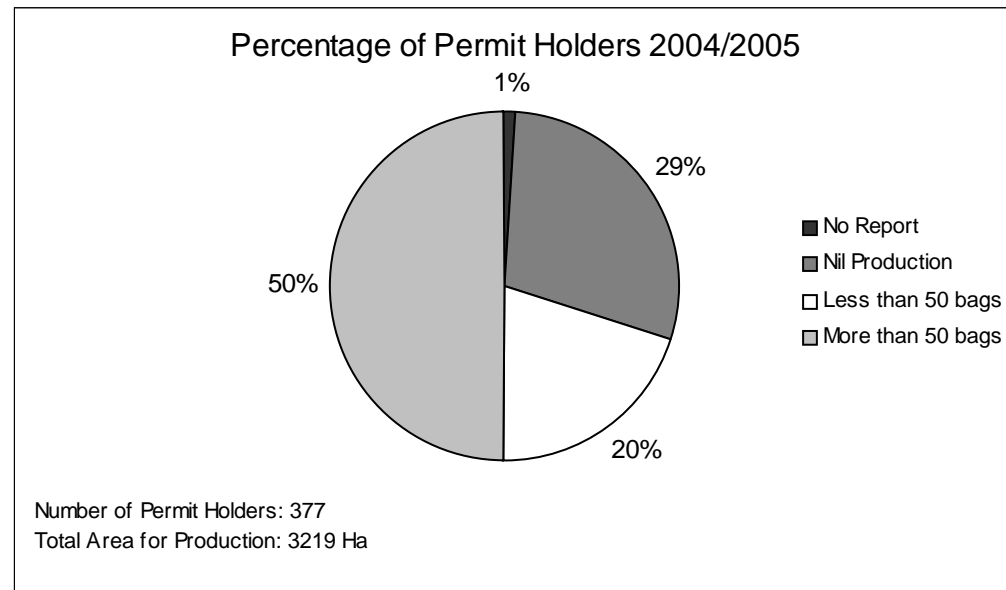
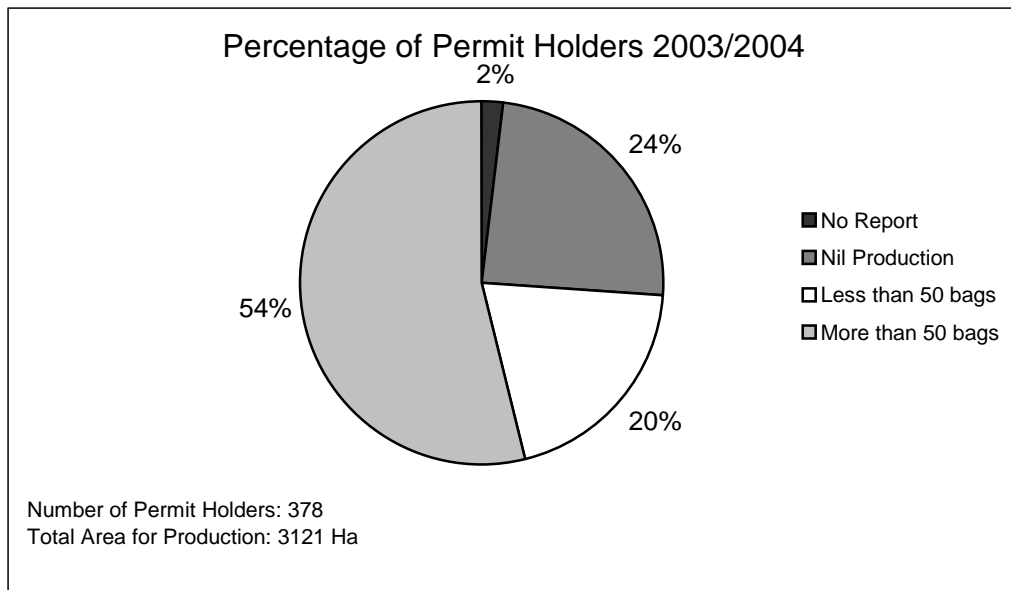


Table 9: Sydney Rock Oyster Sales by Estuary

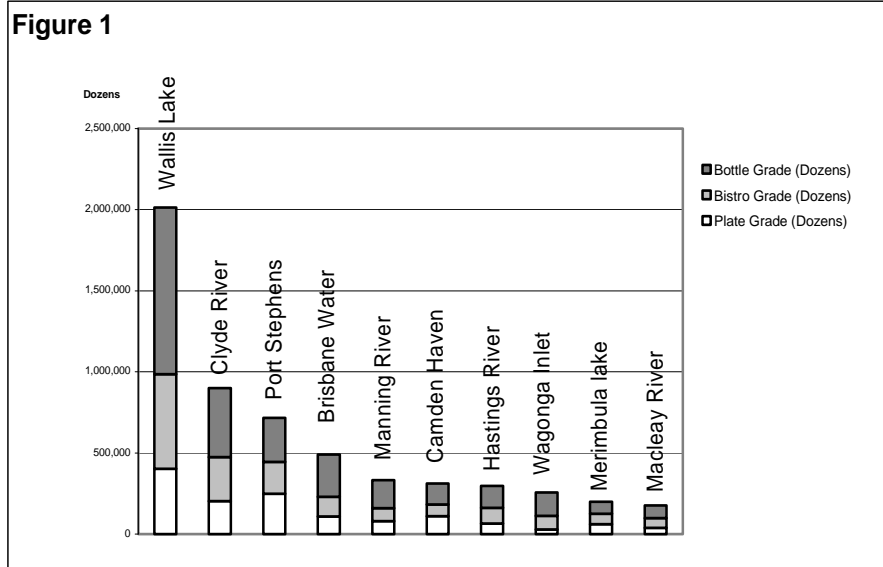
Estuary	Plate Grade			Bistro Grade			Bottle Grade			Total		
	Bags	Dozens	Value (\$)	Bags	Dozens	Value (\$)	Bags	Dozens	Value (\$)	Bags	Dozens	Value (\$)
Nambucca River	308	30,823	\$227,782	540	59,362	\$331,834	132	17,161	\$67,443	980	107,346	\$627,058
Macleay River	53	5,271	\$38,953	99	10,940	\$61,155	216	28,116	\$110,496	368	44,327	\$210,603
Hastings River	666	66,552	\$491,819	868	95,509	\$533,895	1,141	148,339	\$582,972	2,675	310,400	\$1,608,687
Camden Haven	886	88,608	\$654,813	704	77,415	\$432,750	1,119	145,530	\$571,933	2,709	311,553	\$1,659,496
Manning River	810	80,971	\$598,376	478	52,557	\$293,794	1,003	130,409	\$512,507	2,291	263,937	\$1,404,677
Wallis Lake	4,554	455,384	\$3,365,288	6,602	726,249	\$4,059,732	8,760	1,138,780	\$4,475,405	19,916	2,320,413	\$11,900,425
Port Stephens	2,926	292,611	\$2,162,395	1,825	200,773	\$1,122,321	1,455	189,167	\$743,426	6,206	682,551	\$4,028,143
Brisbane Water	430	43,000	\$317,770	558	61,377	\$343,097	1,292	167,998	\$660,232	2,280	272,375	\$1,321,100
Hawkesbury River	20	2,000	\$14,780	31	3,400	\$19,006	39	5,100	\$20,043	90	10,500	\$53,829
Shoalhaven River	188	18,814	\$139,035	130	14,320	\$80,049	120	15,541	\$61,076	438	48,675	\$280,160
Crookhaven River	365	36,472	\$269,528	313	34,430	\$192,464	398	51,732	\$203,307	1,076	122,634	\$665,299
Clyde River	1,523	152,254	\$1,125,157	1,917	210,894	\$1,178,897	3,132	407,189	\$1,600,253	6,572	770,337	\$3,904,307
Tuross Lake	273	27,250	\$201,378	274	30,090	\$168,203	176	22,875	\$89,899	722	80,215	\$459,479
Wagonga Inlet	322	32,200	\$237,958	1,037	114,027	\$637,411	1,317	171,172	\$672,706	2,675	317,399	\$1,548,075
Wapengo Lake	116	11,555	\$85,391	319	35,055	\$195,957	175	22,695	\$89,191	609	69,305	\$370,540
Merimbula Lake	1,168	116,760	\$862,856	676	74,407	\$415,935	461	59,994	\$235,776	2,306	251,161	\$1,514,568
Pambula River	405	40,467	\$299,051	581	63,943	\$357,441	711	92,484	\$363,462	1,697	196,894	\$1,019,955
Wonboyn River	264	26,408	\$195,155	197	21,715	\$121,387	59	7,729	\$30,375	521	55,852	\$346,917
Others**	984	98,430	\$727,399	1,067	117,183	\$655,054	562	72,980	\$286,811	2,613	288,593	\$1,669,263
Totals	16,258	1,625,830	\$12,014,884	18,215	2,003,646	\$11,200,381	22,269	2,894,991	\$11,377,315	56,742	6,524,467	\$34,592,579

**Others not named for confidentiality include Tweed River, Richmond River, Clarence River, Woolli Woolli River, Bellinger River, Hunter River, Patonga Creek, Botany Bay, Bermagui River & Nelson Lagoon.

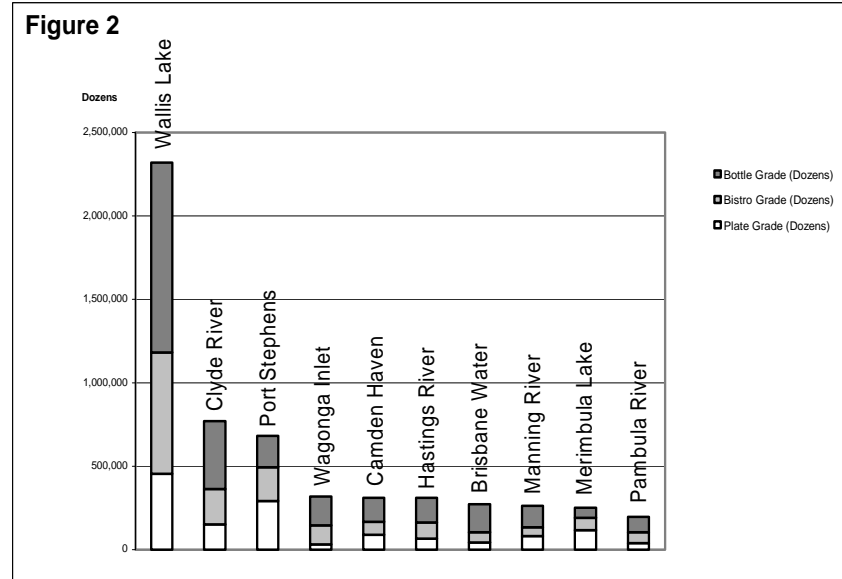
Please Note: Due to rounding effect there may be some small variances in bag quantities and \$ value.

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

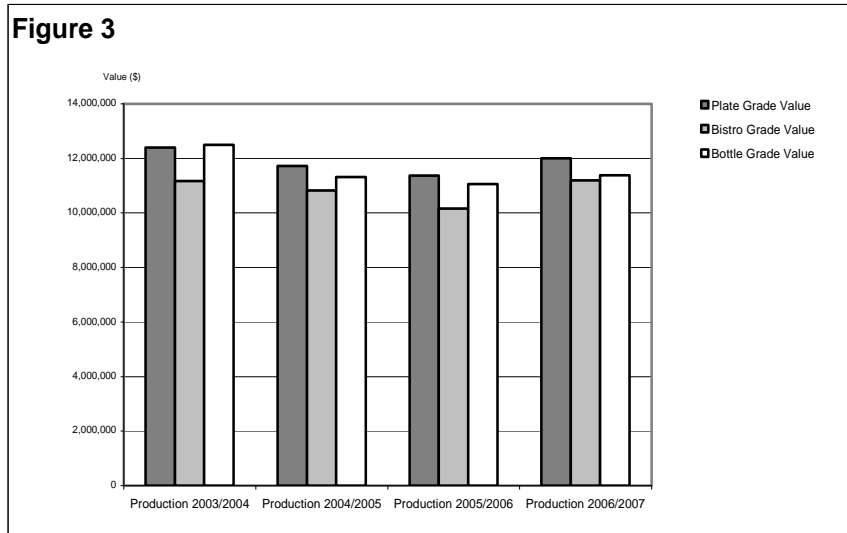
The ten most productive estuaries for the cultivation and sale of SRO in 2005/2006



The ten most productive estuaries for cultivation and sale of SRO in 2006/2007



Value of plate, bistro and bottle/cocktail grade SRO production in 2003/2004, 2004/2005 and 2005/2006 compared to 2006/2007



The quantity of plate, bistro and bottle/cocktail grade SRO production in 2003/2004, 2004/2005 and 2005/2006 compared to 2006/2007

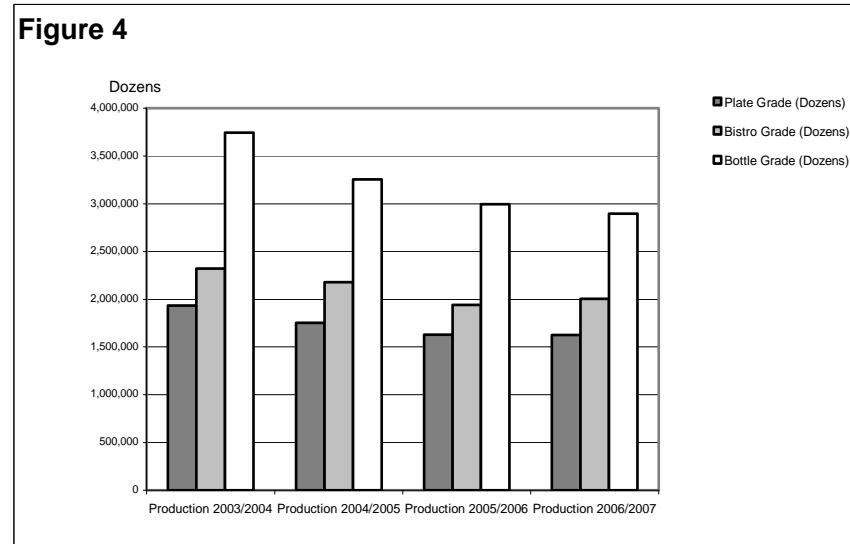


Table 10: Pacific Oyster Sales from Port Stephens

	Grade 1			Grade 2			Grade 3			Total		
	Bags	Dozens	Value (\$)	Bags	Dozens	Value (\$)	Bags	Dozens	Value (\$)	Bags	Dozens	Value (\$)
Total	1,479	112,405	\$647,453	407	48,789	\$242,481	211	31,633	\$114,828	2,096	192,827	\$1,004,762

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	346	26,323	\$151,620	58	7,012	\$34,850	13	1,912	\$6,941	418	35,247	\$193,411
Long-line	757	57,521	\$331,321	204	24,431	\$121,422	102	15,338	\$55,677	1,063	97,290	\$508,420
Stick	10	760	\$4,378	5	600	\$2,982	10	1,500	\$5,445	25	2,860	\$12,805
Tray	366	27,801	\$160,134	140	16,746	\$83,228	86	12,883	\$46,765	591	57,430	\$290,127
Total	1,479	112,405	\$647,453	407	48,789	\$242,481	211	31,633	\$114,828	2,096	192,827	\$1,004,762

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	534	40,571	\$233,689	183	22,010	\$109,390	107	16,104	\$58,458	825	78,685	\$401,536
Local	318	24,182	\$139,288	141	16,930	\$84,142	50	7,504	\$27,240	509	48,616	\$250,670
NSW (Other than Sydney)	156	11,850	\$68,256	61	7,364	\$36,599	49	7,405	\$26,880	267	26,619	\$131,735
Sydney	471	35,802	\$206,220	21	2,485	\$12,350	4	620	\$2,251	496	38,907	\$220,821
Total	1,479	112,405	\$647,453	407	48,789	\$242,481	211	31,633	\$114,828	2,096	192,827	\$1,004,762

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

Figure D: Comparative Graphs – Pacific Oyster Production

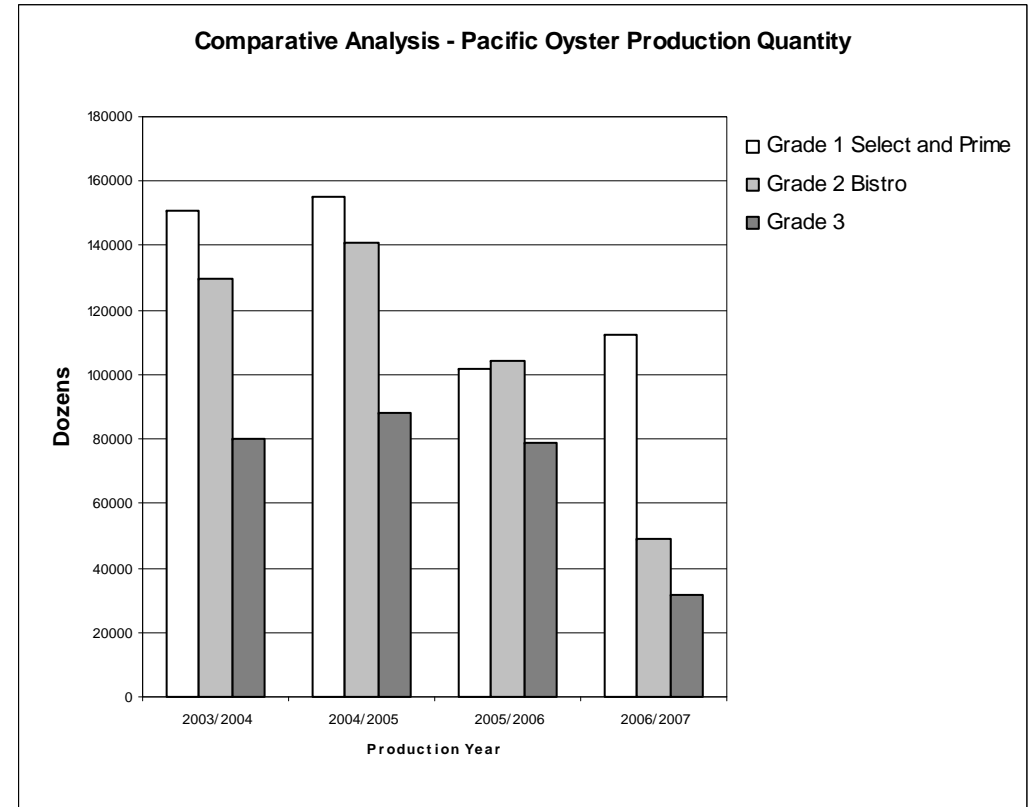
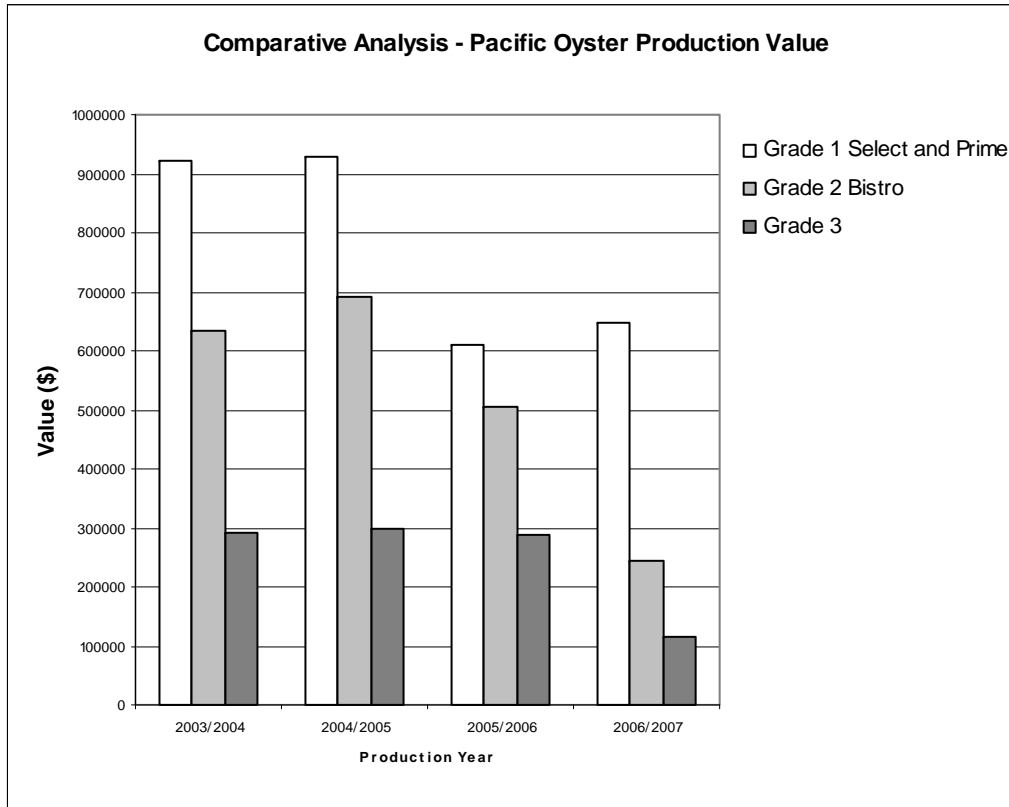


Table 13: Spat Production Value by Cultivation Method

Type of Cultivation	Large Spat (\$)	Medium Spat (\$)	Small Spat (\$)	Total Value (\$)
Hatchery Single Seed	\$54,373	\$198,845	\$344,630	\$597,848
Stick	\$45,900	\$102,000	\$23,000	\$170,900
Wild Caught Single Seed	\$675,138	\$560,124	\$162,000	\$1,397,262
Total Value	\$775,411	\$860,969	\$529,630	\$2,166,010

Note: Values include figures for Sydney rock oyster, Pacific oyster and flat oyster spat.

Table 14: Spat Sales by Estuary

Estuary	Large Spat		Medium Spat		Small Spat		Total	
	Quantity	Value (\$)	Quantity	Value (\$)	Quantity	Value (\$)	Quantity	Value (\$)
Hastings River	4,140,340	\$400,920	5,214,600	\$354,970	5,470,000	\$106,000	14,824,940	\$861,890
Port Stephens	1,923,580	\$194,789	7,049,200	\$277,250			8,972,780	\$472,039
**Others	2,336,420	\$179,702	1,950,661	\$228,749	13,568,300	\$423,630	17,855,381	\$832,081
Total	8,400,340	\$775,411	14,214,461	\$860,969	19,038,300	\$529,630	41,653,101	\$2,166,010

**Others not named for confidentiality reasons include: Woolli Woolli River, Bellinger River, Nambucca River, Macleay River, Camden Haven, Manning River, Wallis Lake, Hunter River, Brisbane Water, Crookhaven River, Moruya River, Wagonga Inlet, Wapengo 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 \$739.00 per bag.

1 bag of Bistro Grade Oysters = 110 dozen @ a Farm Gate Price of \$614.90 per bag.

1 bag of Bottle/Cocktail Grade Oysters = 130 dozen @ a Farm Gate Price of \$510.90 per bag.

Pacific Oysters

1 bag of Grade 1 (Select and Prime) Pacific Oysters = 76 dozen @ a Farm Gate Price of \$437.76 per bag.

1 bag of Grade 2 (Bistro) Pacific Oysters = 120 dozen @ a Farm Gate Price of \$596.40 per bag.

1 bag of Grade 3 (Mini) Pacific Oysters = 150 dozen @ a Farm Gate Price of \$544.50 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.