

Aquaculture Production Report Production Figures 1999/2000

COMMERCIAL HATCHERY PRODUCTION 1999/2000								
Grouping	Common Name	Scientific Name	No. Hatcheries with Permits for this species	No. Hatcheries which Commercially Produced this Species	Product Description	Quantity	Average Price per unit (\$)	Total (\$) Value
Crustaceans	black tiger prawn	<i>Penaeus monodon</i>	8	na	Prawn Postlarvae	167,003,250	\$0.004	\$668,013.00
	Freshwater prawn	<i>Macrobrachium sp.</i>	3	na	Fish Fingerlings (per indiv)	20,000	\$0.50	\$10,000.00
	Freshwater shrimp	<i>Atyidae sp.</i>	na	na	Fish Fingerlings (per indiv)	650	\$0.50	\$325.00
	Yabby	<i>Cherax destructor</i>	na	9	Crayfish Juveniles	959,384	\$0.17	\$161,114.00
Freshwater Finfish	Aquarium Species	<i>aquarium Species</i>	10	5	Fish Fingerlings (per indiv)	106,589	\$0.58	\$61,400.00
	Australian bass	<i>Macquaria novemaculeata</i>	15	3	Fish Fingerlings (per indiv)	80,700	\$0.62	\$49,700.00
			na	na	Fish Fry (per indiv)	1,500	\$1.00	\$1,500.00
	brown trout	<i>Salmo trutta</i>	10	na	Fish Fingerlings (per indiv)	10,000	\$0.50	\$5,000.00
	eastern freshwater cod	<i>Maccullochella ikei</i>	na	na	Fish Fingerlings (per indiv)	52,000	\$1.00	\$52,000.00
	eel tailed catfish	<i>Tandanus tandanus</i>	26	5	Fish Fingerlings (per indiv)	80,007	\$0.49	\$39,365.00
	golden perch	<i>Macquaria ambigua</i>	41	14	Fish Fingerlings (per indiv)	1,311,853	\$0.20	\$260,861.00
			na	na	Fish Fry (per indiv)	3,100	\$0.04	\$120.00
	goldfish	<i>Carassius auratus</i>	7	7	Fish Fingerlings (per indiv)	636,865	\$0.27	\$173,083.00
	koi carp	<i>Cyprinus carpio</i>	6	6	Fish Fingerlings (per indiv)	141,913	\$0.81	\$114,613.00
	Murray cod	<i>Maccullochella peelii</i>	27	12	Fish Fingerlings (per indiv)	567,154	\$0.44	\$249,895.00
	Pacific blue eye	<i>Pseudomugil signifer</i>	3	na	Fish Fingerlings (per indiv)	6,000	\$0.65	\$3,900.00
	rainbow trout	<i>Oncorhynchus mykiss</i>	18	5	Fish Fingerlings (per indiv)	216,500	\$0.68	\$148,258.00
	silver perch	<i>Bidyanus bidyanus</i>	46	17	Fish Fingerlings (per indiv)	1,465,456	\$0.199	\$282,352.00
		na	na	Fish Fry (per indiv)	300,000	\$0.008	\$2,500.00	
Marine Finfish	mulloway	<i>Argyrosomus japonicus</i>	7	na	Fish Fingerlings (per indiv)	300	\$1.00	\$300.00
	silver bream	<i>Acanthopagrus australis</i>	4	na	Fish Fingerlings (per indiv)	2,000	\$0.75	\$1,500.00
	snapper	<i>Pagrus auratus</i>	5	na	Fish Fingerlings (per indiv)	49,200	\$0.98	\$48,450.00
Molluscs	mussels (freshwater)	<i>Velesunio ambiguus</i>	na	na	Juveniles (per Indiv)	10,030	\$0.51	\$5,150.00
	Pacific oysters	<i>Crassostrea gigas</i>	na	na	Juveniles (per Indiv)	20,000	\$0.02	\$400.00
	Sydney rock oysters	<i>Saccostrea glomerata</i>	na	na	Juveniles (per Indiv)	350,000	\$0.02	\$7,000.00
Total \$ Value							\$2,346,798.00	

COMMERCIAL FISH, MOLLUSC AND CRUSTACEAN PRODUCTION 1999/2000 (Market Size)

Grouping	Common Name	Scientific Name	No. Farms with Permits for this Species	No. Farms which Commercially Produced this Species	Commercial Production Area (ha)	Production (kg)	Average Price per (kg) (\$)	Total (\$) Value
Crustaceans	black tiger prawn	<i>Penaeus monodon</i>	12	5	111.70	403,567.00	\$15.04	\$6,067,880.00
	mud crab	<i>Scylla serrata</i>	3	na	0.14	200.00	\$18.00	\$3,600.00
	redclaw	<i>Cherax quadricarinatus</i>	33	10	7.16	977.80	\$16.36	\$15,996.00
	yabby	<i>Cherax destructor</i>	204	59	180.16	41,845.43	\$13.15	\$550,173.00
Freshwater Finfish	brown trout	<i>Salmo trutta</i>	14	na	3.00	100.00	\$10.00	\$1,000.00
	brook trout	<i>Salvelinus fontinalis</i>	9	na	0.10	200.00	\$8.00	\$1,600.00
	eel tailed catfish	<i>Tandanus tandanus</i>	81	na	1.30	682.08	\$7.34	\$5,004.00
	European carp	<i>Cyprinus carpio</i>	14	na	440.00	15,000.00	\$0.40	\$6,000.00
	golden perch	<i>Macquaria ambigua</i>	142	8	28.23	1,843.00	\$12.37	\$22,794.00
	Murray cod	<i>Maccullochella peelii</i>	81	8	6.15	8,400.98	\$21.39	\$179,727.00
	rainbow trout	<i>Oncorhynchus mykiss</i>	39	16	9.70	267,144.00	\$7.65	\$2,044,036.00
	silver perch	<i>Bidyanus bidyanus</i>	169	49	73.17	240,371.98	\$9.44	\$2,268,204.00
	barramundi	<i>Lates calcarifer</i>	5	na	0.13	16,883.82	\$11.17	\$188,606
Marine Finfish	eel-long finned	<i>Anguilla reinhardtii</i>	21	na	12.77	2,010.00	\$8.207	\$16,485.00
	eel-short finned	<i>Anguilla australis</i>	17	na	0.10	400.00	\$2.50	\$1,000.00
	mulloway	<i>Argyrosomus japonicus</i>	19	na	0.10	980.00	\$11.51	\$11,280.00
	snapper	<i>Pagrus auratus</i>	13	na	0.10	885.00	\$10.51	\$9,298.00
Molluscs	blue lip mussel	<i>Mutilus edulis planulatus</i>	3	na	7.50	42,000.00	\$5.00	\$210,000.00
							Sub total	\$11,621,089.91
	Sydney rock oyster	<i>Saccostrea commercialis</i>	493	152	3000 ha average	4,961,000	\$408.33 (bag)	\$28,384,977
	Pacific oyster	<i>Crassostrea gigas</i>	45	478	478.6	289,000	\$420.09 (bag)	\$1,704,307
Total \$ Value								\$41,710,373

Sydney Rock Oysters Sales by Estuary and Production Method (Listed from North to South)

Estuary Name	Maturing Method Description	Plate Grade (Bags)	Plate Grade (Dozens)	Value (\$)	Bistro Grade (Bags)	Bistro Grade (Dozens)	Value (\$)	Bottle Grade (Bags)	Bottle Grade (Dozens)	Value (\$)	Total Production (Bags)	Total Production (Dozens)	Total Value(\$)
<i>Tweed River</i>	Rack - Tray	228	22800	112860	319	35090	127377	62	8092	20716	609	65982	260952
Estuary Total		228	22800	112860	319	35090	127377	62	8092	20716	609	65982	260952
<i>Bellinger River</i>	Rack - Tray	115	11505	56950	21	2310	8385	40	5240	13414	176	19055	78749
	Raft	114	11386	56361	164	18016	65398	47	6100	15616	325	35502	137375
Estuary Total		229	22891	113310	185	20326	73783	87	11340	29030	501	54557	216124
<i>Nambucca River</i>	Baskets	15	1500	7425	4	440	1597	2	260	666	21	2200	9688
	Rack - Stick	0	0	0	0	0	0	28	3588	9185	28	3588	9185
	Rack - Tray	110	10976	54331	111	12264	44518	95	12398	31739	317	35638	130588
	Raft	428	42790	211811	284	31205	113274	103	13425	34368	815	87420	359453
Estuary Total		553	55266	273567	399	43909	159390	228	29671	75958	1180	128846	508914
<i>Macleay River</i>	Baskets	57	5688	28156	103	11347	41190	255	33141	84841	415	50176	154186
	Rack - Tray	22	2248	11128	38	4133	15003	60	7790	19942	120	14171	46073
	Rock / Other	0	0	0	2	200	726	12	1500	3840	13	1700	4566
Estuary Total		79	7936	39283	143	15680	56918	326	42431	108623	548	66047	204825
<i>Hastings River</i>	Baskets	30	2988	14791	34	3750	13613	299	38870	99507	363	45608	127910
	Rack - Stick	5	525	2599	56	6160	22361	52	6695	17139	113	13380	42099
	Rack - Tray	251	25126	124374	369	40539	147157	625	81252	208005	1245	146917	479535
	Raft	51	5057	25032	172	18927	68705	29	3717	9516	251	27701	103253
Estuary Total		337	33696	166795	631	69376	251835	1004	130534	334167	1972	233606	752797
<i>Camden Haven</i>	Baskets	60	6000	29700	10	1100	3993	0	0	0	70	7100	33693
	Rack - Stick	7	700	3465	4	440	1597	3	390	998	14	1530	6061
	Rack - Tray	550	54950	272003	430	47245	171499	324	42055	107661	1303	144250	551163
	Rock / Other	15	1500	7425	6	660	2396	3	390	998	24	2550	10819
Estuary Total		632	63150	312593	450	49445	179485	330	42835	109658	1411	155430	601735
<i>Manning River</i>	Baskets	26	2550	12623	13	1375	4991	19	2470	6323	57	6395	23937
	Dredge	0	0	0	0	0	0	6	780	1997	6	780	1997
	Rack - Stick	63	6300	31185	44	4840	17569	0	0	0	107	11140	48754
	Rack - Tray	441	44100	218295	311	34155	123983	478	62140	159078	1230	140395	501356
	Rock / Other	339	33900	167805	105	11550	41927	36	4680	11981	480	50130	221712
Estuary Total		869	86850	429908	472	51920	188470	539	70070	179379	1880	208840	797756
<i>Wallis Lake</i>	Baskets	8	800	3960	6	700	2541	9	1200	3072	24	2700	9573
	Rack - Stick	1446	144600	715770	2003	220275	799598	925	120250	307840	4374	485125	1823208
	Rack - Tray	5916	591600	2928420	3382	372035	1350487	6995	909410	2328090	16294	1873045	6606997

Estuary Total		7370	737000	3648150	5391	593010	2152626	7930	1030860	2639002	20691	2360870	8439778
<i>Port Stephens</i>	Baskets	42	4200	20790	32	3535	12832	38	5000	12800	113	12735	46422
	Rack - Stick	62	6200	30690	121	13310	48315	144	18720	47923	327	38230	126929
	Rack - Tray	1890	188966	935382	1748	192295	698031	1222	158808	406548	4859	540069	2039961
	Rock / Other	41	4100	20295	0	0	0	46	6000	15360	87	10100	35655
Estuary Total		2035	203466	1007157	1901	209140	759178	1450	188528	482632	5386	601134	2248967
<i>Hunter River</i>	Baskets	20	2000	9900	51	5610	20364	10	1300	3328	81	8910	33592
	Rack - Tray	57	5700	28215	161	17710	64287	193	25025	64064	411	48435	156566
Estuary Total		77	7700	38115	212	23320	84652	203	26325	67392	492	57345	190159
<i>Brisbane Waters</i>	Baskets	57	5658	28007	32	3515	12759	628	81695	209139	717	90868	249906
	Rack - Stick	0	0	0	0	0	0	23	3000	7680	23	3000	7680
	Rack - Tray	2642	264226	1307919	1810	199144	722893	2318	301366	771497	6771	764736	2802308
	Raft	3	300	1485	1	100	363	0	0	0	4	400	1848
	Rock / Other	16	1600	7920	62	6820	24757	30	3900	9984	108	12320	42661
Estuary Total		2718	271784	1345331	1905	209579	760772	3000	389961	998300	7623	871324	3104403
<i>Hawkesbury River</i>	Baskets	125	12500	61875	50	5500	19965	50	6500	16640	225	24500	98480
	Rack - Stick	233	23250	115088	344	37840	137359	360	46800	119808	937	107890	372255
	Rack - Tray	2674	267425	1323754	1744	191872	696495	3584	465855	1192589	8002	925152	3212838
Estuary Total		3032	303175	1500716	2138	235212	853820	3994	519155	1329037	9164	1057542	3683573
<i>Botany Bay</i>	Baskets	4	400	1980	3	330	1198	5	650	1664	12	1380	4842
	Rack - Tray	490	48997	242535	408	44896	162972	727	94462	241823	1625	188355	647330
Estuary Total		494	49397	244515	411	45226	164170	732	95112	243487	1637	189735	652172
<i>Georges River</i>	Rack - Tray	44	4416	21859	67	7378	26782	161	20873	53435	272	32667	102076
Estuary Total		44	4416	21859	67	7378	26782	161	20873	53435	272	32667	102076
<i>Shoalhaven River</i>	Rack - Tray	119	11887	58841	125	13772	49992	37	4845	12403	281	30504	121236
Estuary Total		119	11887	58841	125	13772	49992	37	4845	12403	281	30504	121236
<i>Crookhaven River</i>	Baskets	2	221	1094	102	11200	40656	91	11870	30387	195	23291	72137
	Rack - Stick	65	6500	32175	0	0	0	60	7800	19968	125	14300	52143
	Rack - Tray	279	27881	138011	290	31952	115986	257	33380	85453	826	93213	339450
	Raft	68	6800	33660	49	5335	19366	20	2600	6656	137	14735	59682
Estuary Total		414	41402	204940	441	48487	176008	428	55650	142464	1283	145539	523412
<i>Clyde River</i>	Baskets	103	10250	50738	243	26775	97193	260	33845	86643	606	70870	234574
	Rack - Stick	243	24300	120285	411	45210	164112	233	30225	77376	887	99735	361773
	Rack - Tray	800	79950	395753	1299	142915	518781	1118	145325	372032	3217	368190	1286566
	Raft	1	50	248	0	0	0	0	0	0	1	50	248

	Rock / Other	5	500	2475	2	220	799	4	520	1331	11	1240	4605
Estuary Total		1151	115050	569498	1956	215120	780886	1615	209915	537382	4721	540085	1887766
<i>Tuross Lake</i>	Baskets	144	14350	71033	195	21450	77864	243	31525	80704	581	67325	229600
	Rack - Stick	23	2300	11385	91	10010	36336	93	12025	30784	207	24335	78505
	Rack - Tray	280	27950	138353	208	22825	82855	209	27105	69389	696	77880	290596
Estuary Total		446	44600	220770	494	54285	197055	544	70655	180877	1483	169540	598701
<i>Wagonga Inlet</i>	Baskets	0	0	0	9	990	3594	5	650	1664	14	1640	5258
	Rack - Tray	352	35200	174240	485	53395	193824	981	127465	326310	1818	216060	694374
	Raft	17	1650	8168	59	6435	23359	121	15730	40269	196	23815	71795
Estuary Total		369	36850	182408	553	60820	220777	1107	143845	368243	2028	241515	771427
<i>Bermagui River</i>	Rack - Stick	13	1300	6435	53	5830	21163	10	1300	3328	76	8430	30926
	Rack - Tray	13	1300	6435	53	5830	21163	10	1300	3328	76	8430	30926
	Raft	14	1400	6930	64	7020	25483	10	1300	3328	88	9720	35741
Estuary Total		40	4000	19800	170	18680	67808	30	3900	9984	240	26580	97592
<i>Wapengo Lake</i>	Baskets	5	500	2475	24	2590	9402	4	520	1331	33	3610	13208
	Rack - Stick	66	6580	32571	145	15969	57967	54	7065	18086	265	29614	108625
	Rack - Tray	109	10900	53955	302	33195	120498	92	11945	30579	503	56040	205032
Estuary Total		180	17980	89001	470	51754	187867	150	19530	49997	801	89264	326865
<i>Nelson Lagoon</i>	Rack - Tray	30	3000	14850	50	5500	19965	50	6500	16640	130	15000	51455
Estuary Total		30	3000	14850	50	5500	19965	50	6500	16640	130	15000	51455
<i>Merimbula Lake</i>	Baskets	6	550	2723	0	0	0	0	0	0	6	550	2723
	Rack - Stick	560	55980	277101	94	10360	37607	17	2200	5632	671	68540	320340
	Rack - Tray	1188	118835	588233	614	67501	245029	409	53184	136151	2211	239520	969413
Estuary Total		1754	175365	868057	708	77861	282635	426	55384	141783	2888	308610	1292475
<i>Pambula River</i>	Baskets	0	0	0	7	770	2795	0	0	0	7	770	2795
	Rack - Stick	10	1000	4950	5	550	1997	5	650	1664	20	2200	8611
	Rack - Tray	345	34525	170899	277	30481	110646	271	35187	90079	893	100193	371624
Estuary Total		355	35525	175849	289	31801	115438	276	35837	91743	920	103163	383029
<i>Wonboyn River</i>	Baskets	14	1400	6930	38	4125	14974	0	0	0	52	5525	21904
	Rack - Stick	154	15400	76230	82	9014	32721	22	2795	7155	257	27209	116106
	Rack - Tray	243	24250	120038	24	2585	9384	75	9685	24794	341	36520	154215
	Rock / Other	25	2500	12375	0	0	0	0	0	0	25	2500	12375
Estuary Total		436	43550	215573	143	15724	57078	96	12480	31949	674	71754	304599
<i>Other Estuaries</i>	Baskets	10	950	4703	206	22645	82201	36	4680	11981	251	28275	98885
	Rack - Stick	0	0	0	0	0	0	25	3250	8320	25	3250	8320
	Rack - Tray	128	12800	63360	109	12020	43633	124	16070	41139	361	40890	148132
	Rock / Other	9	900	4455	6	660	2396	0	0	0	15	1560	6851

Estuary Total		147	14650	72518	321	35325	128230	185	24000	61440	652	73975	262187
TOTAL	All Methods	24134	2413386	11946261	20343	2237740	8122996	24987	3248328	8315720	69464	7899454	28384977

Pacific Oyster Sales by Production Technique from Port Stephens

Maturing Method Description	Grade 1 Select & Prime (Bags)	Grade 1 Select & Prime (Dozens)	Value (\$)	Grade 2 Bistro (Bags)	Grade 2 Bistro (Dozens)	Value (\$)	Grade 3 (Bags)	Grade 3 (Dozens)	Value (\$)	Total Bags	Total Dozens	Total Value (\$)
Baskets	429	32604	163020	185	22181	90942	120	18068	54204	734	72853	308166
Rack - Stick	10	760	3800	0	0	0	10	1500	4500	20	2260	8300
Rack - Tray	1333	101275	506375	837	100457	411874	431	64676	194028	2601	266408	1112277
Rock / Other	610	46377	231885	64	7625	31263	28	4139	12417	701	58141	275565
Totals	2382	181016	905080	1086	130263	534078	589	88383	265149	4057	399662	1704307

For the purposes of this report the following estimates have been made on advice from a number of permit holders and market sources

Sydney Rock Oysters

1 Bag of Plate Grade Oysters = 100 Dozen @ a Farm Gate Price of \$495 per Bag.

1 Bag of Bistro Grade Oysters = 110 Dozen @ a Farm Gate Price of \$398 per Bag.

1 Bag of Bottle Grade Oysters = 130 Dozen @ a Farm Gate Price of \$332 per Bag.

Pacific Oysters

1 Bag of Grade 1 (Select and Prime) Pacific Oysters = 76 Dozen @ a Farm Gate Price of \$380 per Bag.

1 Bag of Grade 2 (Bistro) Pacific Oysters = 120 Dozen @ a Farm Gate Price of \$492 per Bag.

1 Bag of Grade 3 (Mini) Oysters = 150 Dozen @ a Farm Gate Price of \$450 per Bag.

Retail Price: Approximately 300% greater than Farm Gate Price

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.

Hatchery, fin fish and crustacean figures are as report by permit-holders.