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Photo 1 - Eastern Freshwater Cod, credit Paul Ryan

Photo 2 – Sydney Rock Oyster, credit Ian Lyall

Photo 3 – NSW Farmer’s Association interagency meeting regarding water quality in Port Stephens, credit Ian Lyall

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Table 1 - Snapshot of total aquaculture production for 2024-25

Grouping	Common name	Scientific name	Production kilograms	Production dozens	Avg price per kg	Value (\$)
Crustaceans	Yabby	<i>Cherax destructor</i>	1,583		\$49.66	\$78,607
	Yabby (bait)	<i>Cherax destructor</i>	2,482		\$91.74	\$227,696
Subtotal						\$306,303
Molluscs (land based)	Floodplain Mussel	<i>Velesunio ambiguus</i>	320		\$45.94	\$14,700
Subtotal						\$14,700
Freshwater fish	Barramundi	<i>Lates calcarifer</i>	48,179		\$14.67	\$706,575
	Murray Cod	<i>Maccullochella peelii</i>	532,552		\$25.29	\$13,469,610
	Rainbow Trout	<i>Oncorhynchus mykiss</i>	186,601		\$14.59	\$2,722,761
	Silver Perch	<i>Bidyanus bidyanus</i>	76,847		\$21.40	\$1,644,418
Subtotal						\$18,543,364
Hatchery	Hatchery species**					\$10,197,205
Subtotal						\$10,197,205
Molluscs (lease based)	Sydney Rock Oyster	<i>Saccostrea glomerata</i>		4,726,732		\$60,554,766
	Pacific Oyster	<i>Magallana gigas</i>		744,199		\$11,110,664
	Oyster spat***					\$4,686,246
Subtotal						\$76,351,676
Others*						\$1,833,792
Total value (\$)						\$107,247,040

* Not available for confidential reasons (≤ 5 permit holders authorised to cultivate species). Species include: Akoya Pearl Oyster (*Pinctada imbricata*), Australian Paratya (*Paratya australiensis*), Blue Mussel (*Mytilus galloprovincialis*), Eel-tailed Catfish (*Tandanus tandanus*), Golden Perch (*Macquaria ambigua*), Moreton Bay Bug (*Thenus australiensis*), Nannochloropsis (*N. oceanica*), Native Oysters (*Ostrea Angasi*), Queensland Groper (*Epinephelus lanceolatus*) and Tube Worm (*Diopatra aciculata* and *D. dentata*).

** Refer to table 3; *** Refer to table 8

Table 2 - Land-based production for 2024-25

Grouping	Common name	Scientific name	Production kilograms	Average price per kilogram	Value (\$)
Crustaceans	Yabby	<i>Cherax destructor</i>	1,583	\$49.66	\$78,607
	Yabby (bait)	<i>Cherax destructor</i>	2,482	\$91.74	\$227,696
Subtotal					\$306,303
Molluscs	Floodplain Mussel	<i>Velesunio ambiguus</i>	320	\$45.94	\$14,700
Subtotal					\$14,700
Finfish	Barramundi	<i>Lates calcarifer</i>	48,179	\$14.67	\$706,575
	Murray Cod	<i>Maccullochella peelii</i>	532,552	\$25.29	\$13,469,610
	Rainbow Trout	<i>Oncorhynchus mykiss</i>	186,601	\$14.59	\$2,722,761
	Silver Perch	<i>Bidyanus bidyanus</i>	76,847	\$21.40	\$1,644,418
Subtotal					\$18,543,364
Others*					\$646,824
Total value (\$)					\$19,511,191

* Not available for confidential reasons (≤ 5 permit holders authorised to cultivate species). Species include Australian Paratya (*Paratya australiensis*), Eel-tailed Catfish (*Tandanus tandanus*), Golden Perch (*Macquaria ambigua*), Moreton Bay Bug (*Thenus australiensis*), Nannochloropsis (*N. oceanica*), Queensland Groper (*Epinephelus lanceolatus*) and Tube Worm (*Diopatra aciculata* and *D. dentata*).

Figure 1 - Comparison of land-based aquaculture production by species and year

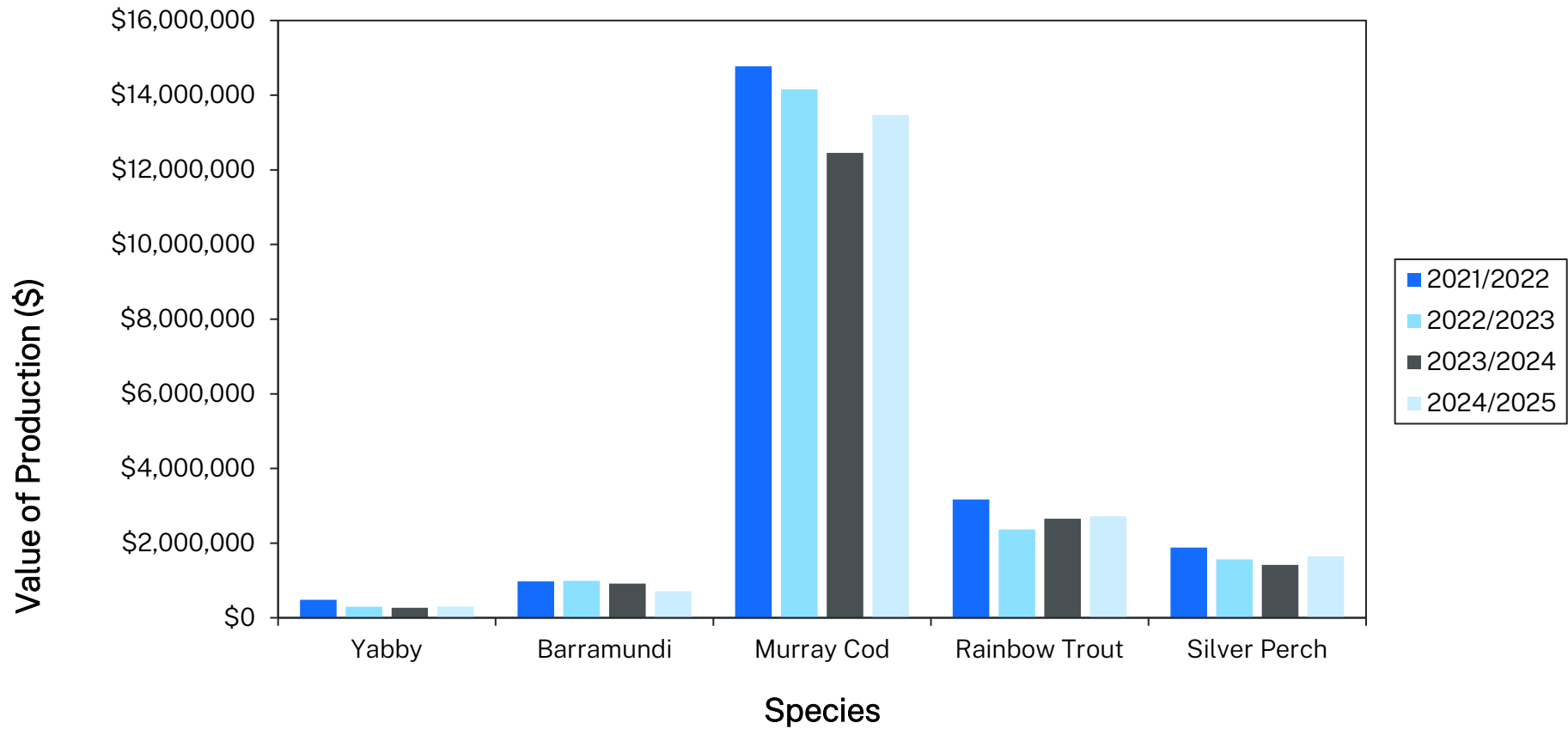


Table 3 - Hatchery production for 2024-25

Grouping	Common name	Scientific name	Quantity (individuals)	Average price per individual	Value (\$)
Aquarium species	Aquarium species		**	**	\$313,719
Subtotal					\$313,719
Finfish	Australian Bass	<i>Macquaria novemaculeata</i>	571,180	\$0.85	\$483,181
	Golden Perch	<i>Macquaria ambigua</i>	3,176,051	\$0.57	\$1,799,696
	Mulloway	<i>Argyrosomus japonicus</i>	135,000	\$1.05	\$141,500
	Murray Cod	<i>Maccullochella peelii</i>	2,700,012	\$0.94	\$2,524,845
	Rainbow Trout	<i>Oncorhynchus mykiss</i>	2,209,823	\$1.00	\$2,209,985
	Silver Perch	<i>Bidyanus bidyanus</i>	799,312	\$0.64	\$515,038
Subtotal					\$7,674,245
Others*					\$2,209,241
Total value (\$)***					\$10,197,205

* Not available for confidential reasons (≤ 5 hatcheries authorised to cultivate species). Species include: Akoya Pearl Oyster (*Pinctada imbricata*), Australian Paratya (*Paratya australiensis*), Brown Trout (*Salmo trutta*), Dusky Flathead (*Platycephalus fuscus*), Eel-tailed Catfish (*Tandanus tandanus*), Estuary Perch (*Macquaria colonorum*), Floodplain Mussel (*Velesunio ambiguous*), Sydney Rock Oyster (*Saccostrea glomerata*) and Yabby (*Cherax destructor*).

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

*** The total value includes the equivalent value of fingerlings used for restocking purposes.

Table 4 – Departmental hatchery output - threatened species stocking 2024-25

Common name	Scientific name	Output (in individuals)
Trout Cod	<i>Maccullochella macquariensis</i>	47,000
Eastern Freshwater Cod	<i>Maccullochella ikei</i>	15,600
Macquarie Perch	<i>Macquaria australasica</i>	600
Oxleyan Pygmy Perch	<i>Nannoperca oxleyana</i>	200
Olive Perchlet	<i>Ambassis agassizii</i>	5,000
Southern Purple Spotted Gudgeon	<i>Mogurnda adspersa</i>	4,500
White's Seahorse	<i>Hippocampus whitei</i>	653
Cauliflower Soft Coral	<i>Dendronephthya australis</i>	84,550
Total output		151,103

Table 5 - Sydney Rock Oyster and Pacific Oyster production by estuary and grade 2024-25

Estuary	Species	Large dozens	Large value	Medium dozens	Medium value	Small dozens	Small value	Total dozens	Total value
Macleay River	Sydney Rock Oysters	29,480	\$482,882	16,592	\$230,131	3,107	\$30,915	49,179	\$743,928
Hastings River	Sydney Rock Oysters	42,194	\$691,138	74,638	\$1,035,229	38,587	\$383,941	155,419	\$2,110,307
Camden Haven River	Sydney Rock Oysters	37,433	\$613,153	131,717	\$1,826,915	127,247	\$1,266,108	296,397	\$3,706,175
Manning River	Sydney Rock Oysters	10,274	\$168,288	29,304	\$406,446	46,316	\$460,844	85,894	\$1,035,579
Wallis Lake	Sydney Rock Oysters	97,427	\$1,595,854	218,142	\$3,025,630	241,751	\$2,405,422	557,320	\$7,026,906
Port Stephens	Pacific Oysters (Diploid)	13,860	\$207,346	10,771	\$133,884	15,075	\$153,765	39,706	\$494,994
Port Stephens	Pacific Oysters (Triploid)	34,747	\$678,956	116,224	\$1,738,711	43,480	\$516,977	194,451	\$2,934,645
Port Stephens	Sydney Rock Oysters	102,735	\$1,682,799	114,567	\$1,589,044	239,012	\$2,378,169	456,314	\$5,650,013
Brisbane Water	Pacific Oysters (Triploid)	1,200	\$23,448	600	\$8,976	0	\$0	1,800	\$32,424
Brisbane Water	Sydney Rock Oysters	6,750	\$110,565	79,945	\$1,108,837	80,000	\$796,000	166,695	\$2,015,402
Hawkesbury River and Patonga Creek	Pacific Oysters (Triploid)	20,596	\$402,446	47,319	\$707,892	25,879	\$307,701	93,794	\$1,418,039

Estuary	Species	Large dozens	Large value	Medium dozens	Medium value	Small dozens	Small value	Total dozens	Total value
Hawkesbury River and Patonga Creek	Sydney Rock Oysters	25,905	\$424,324	6,846	\$94,954	1,520	\$15,124	34,271	\$534,402
Crookhaven and Shoalhaven Rivers	Pacific Oysters (Triploid)	22,282	\$435,390	29,764	\$445,269	25,875	\$307,654	77,921	\$1,188,313
Crookhaven and Shoalhaven Rivers	Sydney Rock Oysters	32,091	\$525,651	77,301	\$1,072,165	102,083	\$1,015,726	211,475	\$2,613,541
Clyde River	Pacific Oysters (Triploid)	64,174	\$1,253,960	135,169	\$2,022,128	91,835	\$1,091,918	291,178	\$4,368,006
Clyde River	Sydney Rock Oysters	17,405	\$285,094	119,164	\$1,652,805	91,873	\$914,136	228,442	\$2,852,035
Tuross Lake	Sydney Rock Oysters	52,644	\$862,309	87,442	\$1,212,821	22,989	\$228,741	163,075	\$2,303,870
Wagonga Inlet	Sydney Rock Oysters	65,354	\$1,070,499	134,979	\$1,872,159	130,990	\$1,303,351	331,323	\$4,246,008
Wapengo Lagoon	Sydney Rock Oysters	20,505	\$335,872	114,088	\$1,582,401	169,939	\$1,690,893	304,532	\$3,609,166
Merimbula Lake	Sydney Rock Oysters	323,241	\$5,294,688	379,261	\$5,260,350	406,501	\$4,044,685	1,109,003	\$14,599,723
Pambula River	Sydney Rock Oysters	50,518	\$827,485	106,999	\$1,484,076	72,460	\$720,977	229,977	\$3,032,538
Wonboyn River	Sydney Rock Oysters	55,974	\$916,854	62,283	\$863,865	22,675	\$225,616	140,932	\$2,006,336

Estuary	Species	Large dozens	Large value	Medium dozens	Medium value	Small dozens	Small value	Total dozens	Total value
Others*	Pacific Oysters (Triploid)	9,921	\$193,856	19,266	\$288,219	16,162	\$192,166	45,349	\$674,242
Others*	Sydney Rock Oysters	20,288	\$332,317	72,416	\$1,004,410	113,780	\$1,132,111	206,484	\$2,468,838
Total		1,156,998	\$19,415,173	2,184,797	\$30,667,317	2,129,136	\$21,582,940	5,470,931	\$71,665,430

* Not available for confidential reasons (≤ 5 current permit holders in the estuary). Estuaries include Bellinger River, Botany Bay, Conjola Lake, Jervis Bay, Nambucca River, Nelson Lagoon, Tweed River, Twofold Bay and Woolli Woolli River.

Table 6 - Sydney Rock Oyster production by year, estuary and grade

Estuary	Large dozens 2022-23	Large dozens 2023-24	Large dozens 2024-25	Medium dozens 2022-23	Medium dozens 2023-24	Medium dozens 2024-25	Small dozens 2022-23	Small dozens 2023-24	Small dozens 2024-25	Total dozens 2022-23	Total dozens 2023-24	Total dozens 2024-25
Macleay River	5,089	24,085	29,480	20,525	27,793	16,592	3,268	9,893	3,107	28,882	61,771	49,179
Hastings River	25,875	50,977	42,194	69,683	113,955	74,638	34,283	46,999	38,587	129,841	211,931	155,419
Camden Haven River	7,261	41,635	37,433	40,969	108,797	131,717	103,570	130,439	127,247	151,800	280,871	296,397
Manning River	11,788	10,719	10,274	13,920	49,808	29,304	10,528	21,797	46,316	36,236	82,324	85,894
Wallis Lake	132,031	126,747	97,427	345,410	318,953	218,142	421,863	231,833	241,751	899,304	677,533	557,320
Port Stephens	128,182	85,323	102,735	172,746	125,502	114,567	197,473	235,046	239,012	498,401	445,871	456,314
Brisbane Water	14,044	19,609	6,750	29,649	78,661	79,945	88,213	85,005	80,000	131,906	183,275	166,695
Hawkesbury River and Patonga Creek	18,327	16,383	25,905	20,092	5,016	6,846	10,633	4,220	1,520	49,052	25,619	34,271
Crookhaven and Shoalhaven Rivers	32,798	38,000	32,091	123,552	142,264	77,301	48,366	57,476	102,083	204,716	237,740	211,475
Clyde River	42,848	44,759	17,405	167,445	153,446	119,164	157,056	101,001	91,873	367,349	299,206	228,442

Estuary	Large dozens 2022-23	Large dozens 2023-24	Large dozens 2024-25	Medium dozens 2022-23	Medium dozens 2023-24	Medium dozens 2024-25	Small dozens 2022-23	Small dozens 2023-24	Small dozens 2024-25	Total dozens 2022-23	Total dozens 2023-24	Total dozens 2024-25
Tuross Lake	124,235	243,369	52,644	76,649	71,749	87,442	52,265	32,223	22,989	253,149	347,341	163,075
Wagonga Inlet	113,278	50,899	65,354	315,267	256,256	134,979	40,817	43,062	130,990	469,362	350,217	331,323
Wapengo Lagoon	41,384	27,656	20,505	211,444	195,284	114,088	53,935	52,571	169,939	306,763	275,511	304,532
Merimbula Lake	262,455	328,059	323,241	636,953	608,768	379,261	140,520	127,287	406,501	1,039,928	1,064,114	1,109,003
Pambula River	71,033	86,533	50,518	117,730	140,874	106,999	88,917	74,261	72,460	277,680	301,668	229,977
Wonboyn River	28,316	31,032	55,974	68,634	58,063	62,283	32,980	23,285	22,675	129,930	112,380	140,932
Others*	28,884	28,645	20,288	74,058	72,130	72,416	82,425	95,013	113,780	185,367	195,788	206,484
Total	1,087,828	1,254,430	990,218	2,504,726	2,527,319	1,825,684	1,567,112	1,371,411	1,910,830	5,159,666	5,153,160	4,726,732

* Not available for confidential reasons (≤ 5 current permit holders in the estuary). Estuaries include Bellinger River, Botany Bay, Conjola Lake, Jervis Bay, Nambucca River, Nelson Lagoon, Tweed River, Twofold Bay and Wooli Wooli River.

Table 7 - Pacific Oyster (diploid and triploid) production by year, estuary and grade

Estuary	Large dozens 2022-23	Large dozens 2023-24	Large dozens 2024-25	Medium dozens 2022-23	Medium dozens 2023-24	Medium dozens 2024-25	Small dozens 2022-23	Small dozens 2023-24	Small dozens 2024-25	Total dozens 2022-23	Total dozens 2023-24	Total dozens 2024-25
Port Stephens	13,667	71,178	48,607	29,176	73,243	126,995	11,480	26,283	58,555	54,323	170,704	234,157
Brisbane Water	300	350	1,200	500	500	600	100	700	0	900	1,550	1,800
Hawkesbury River and Patonga Creek	8,463	28,557	20,596	21,882	83,838	47,319	16,141	12,394	25,879	46,486	124,789	93,794
Crookhaven and Shoalhaven Rivers	5,365	16,136	22,282	15,682	20,268	29,764	14,529	14,552	25,875	35,576	50,956	77,921
Clyde River	80,785	90,829	64,174	86,155	134,138	135,169	73,802	36,194	91,835	240,742	261,161	291,178
Others*	10,843	910	9,921	3,216	4,178	19,266	1,152	10,676	16,162	15,211	15,764	45,349
Total	119,423	207,960	166,780	156,611	316,165	359,113	117,204	100,799	218,306	393,238	624,924	744,199

* Not available for confidential reasons (≤ 5 current permit holders in the estuary). Estuaries include Tweed River and Twofold Bay.

Figure 2 – Comparison of oyster aquaculture value of production by species and year

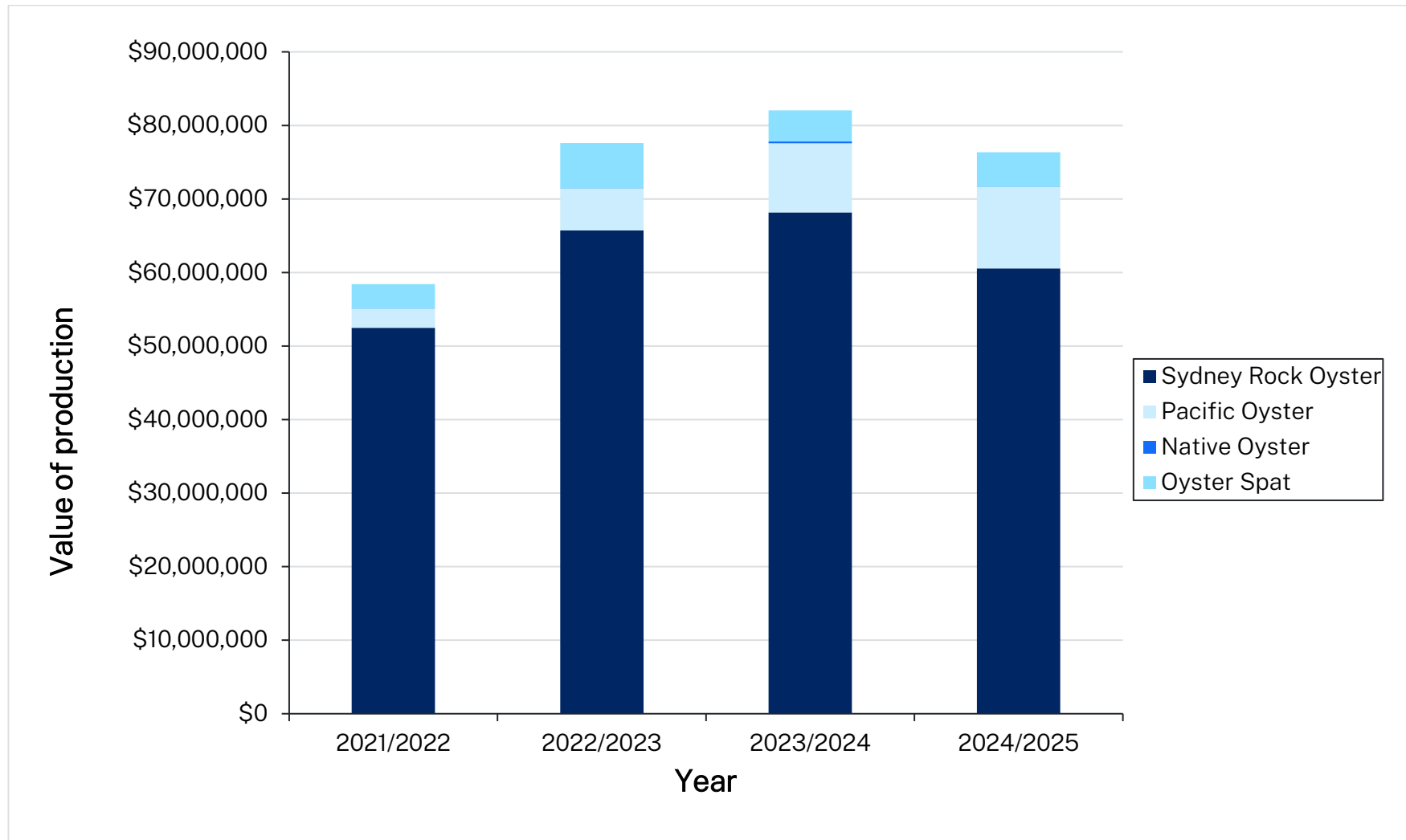


Table 8 - Oyster spat production by spat source for 2024-25

Original source of spat	Large spat (\$)	Medium spat (\$)	Small spat (\$)	Total value (\$)
Hatchery stock	\$69,700	\$0	\$1,352,473	\$1,422,173
Wild caught stock	\$1,777,125	\$857,043	\$629,905	\$3,264,073
Total value (\$)	\$1,846,825	\$857,043	\$1,982,378	\$4,686,246

Includes figures for Sydney Rock Oyster, Pacific Oyster (diploid and triploid) and Akoya Pearl Oyster.

Table 9 - Total oyster production by permit holder for 2024-25

Production range	Nil production	1 - 5,000 dozen	5,001 - 35,000 dozen	>35,001 dozen	Total
Number of permit holders	49	45	98	40	232
Percentage of permit holders	21%	19%	42%	17%	100%
Quantity produced (dozens)	0	112,588	1,529,224	3,829,679	5,471,491
Percentage of production	0%	2%	28%	70%	100%
Total value (\$)	\$0	\$1,594,190	\$20,899,259	\$49,175,871	\$71,669,320

Does not include oyster spat production.

Figure 3 – Percentage of class A permit holders by production group

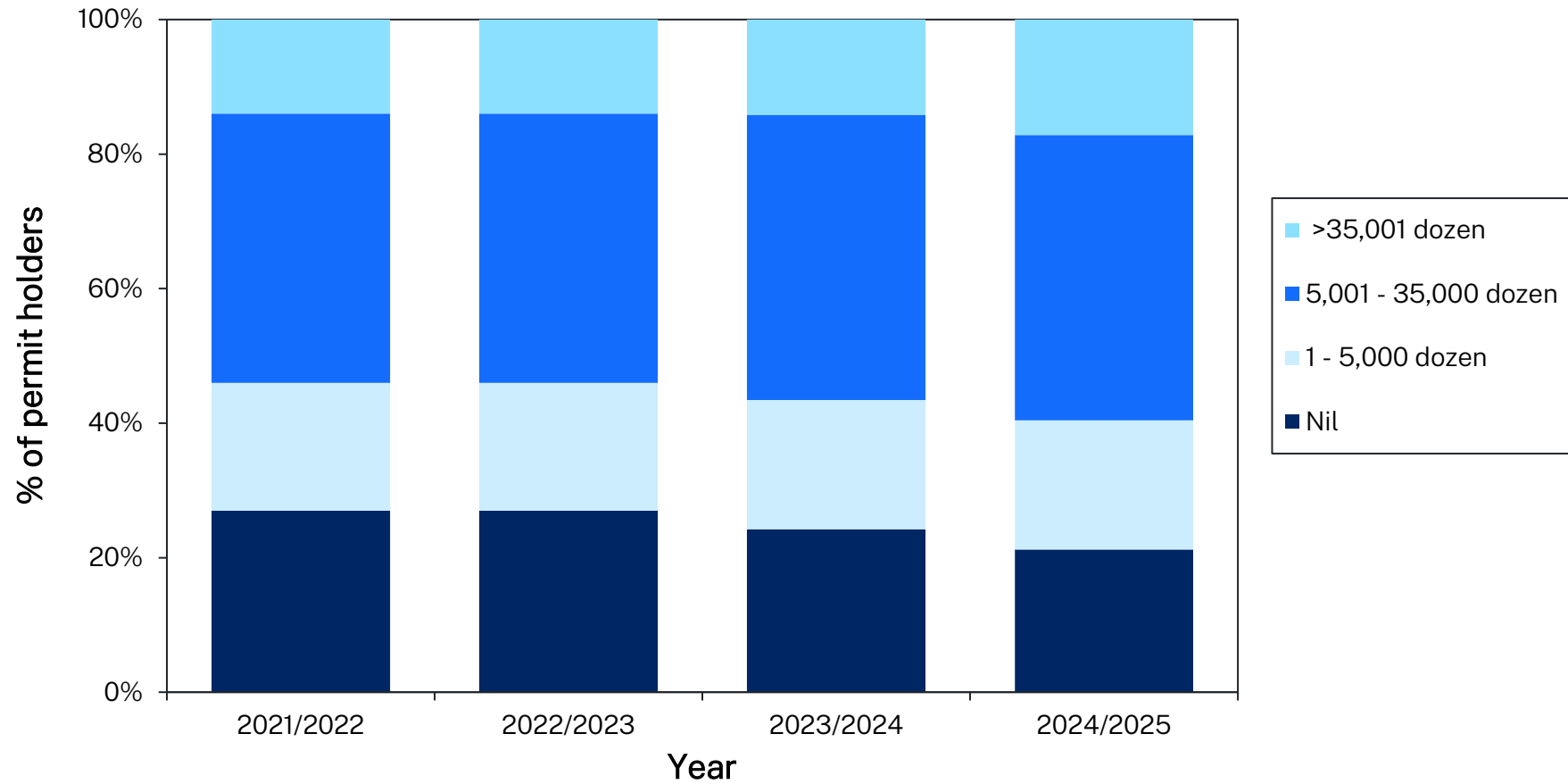


Table 10 - Average farm gate price per dozen for 2024-25 by species and grade

Grade	Sydney Rock Oyster	Pacific Oyster (diploid)	Pacific Oyster (triploid)	Native Oyster
Large	\$16.38	\$14.96	\$19.54	\$8.00
Medium	\$13.87	\$12.43	\$14.96	\$6.00
Small	\$9.95	\$10.20	\$11.89	\$5.00

Table 11 - Size grades for Sydney Rock Oyster, Pacific Oyster and oyster spat

Species	Large	Medium	Small
Sydney Rock Oyster	> 70mm total length or > 50g whole weight	55 - 70mm total length or 30 - 50g whole weight	< 55mm total length or < 30g whole weight
Pacific Oyster (diploid and triploid)	> 85mm total length or > 70g whole weight	70 - 85mm total length or 35 - 70g whole weight	< 70mm total length or < 35g whole weight
Spat (all species)	> 20 mm	10 – 20 mm	< 10 mm

Table 12 – Conversion figures for oyster dozens to bags for Sydney Rock Oyster and Pacific Oyster

Species	Large	Medium	Small
Sydney Rock Oyster	50 dozen = 1 bag	60 dozen = 1 bag	65 dozen = 1 bag
Pacific Oyster (diploid and triploid)	20 dozen = 1 bag	25 dozen = 1 bag	30 dozen = 1 bag

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