



Department of  
Primary Industries



# Aquaculture

PRODUCTION REPORT 2019–2020



Published by the NSW Department of Primary Industries

*Aquaculture Production Report 2019-2020*

First published February 2021

#### **More information**

Author: Edith Gippel, Aquaculture Unit, Port Stephens Fisheries Institute

[www.dpi.nsw.gov.au](http://www.dpi.nsw.gov.au)

#### **Acknowledgments**

Project Manager: Edith Gippel, Aquaculture Unit, Port Stephens Fisheries Institute

Data: Raelene Trenaman, Edith Gippel

Tables and Graphs: Raelene Trenaman, Edith Gippel

#### **Cover image**

Murray Cod pond-based netted system with a portion of netting raised to show farmed Murray Cod.

OUT21/2205

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**Table 1: Snapshot of Total Aquaculture Production for 2019/2020**

| Grouping                | Common Name        | Scientific Name              | Production Kilograms | Production Dozens | Average Price per Production Unit | Value (\$)          |
|-------------------------|--------------------|------------------------------|----------------------|-------------------|-----------------------------------|---------------------|
| Crustaceans             | Black Tiger Prawn  | <i>Penaeus monodon</i>       | 494,670              |                   | \$20.00                           | \$9,892,094         |
|                         | Yabby              | <i>Cherax destructor</i>     | 504                  |                   | \$25.60                           | \$12,900            |
|                         | Yabby (bait)       | <i>Cherax destructor</i>     | 6,451                |                   | \$53.58                           | \$345,622           |
| <b>Subtotal</b>         |                    |                              |                      |                   |                                   | <b>\$10,250,616</b> |
| Freshwater Fish         | Barramundi         | <i>Lates calcarifer</i>      | 58,896               |                   | \$13.85                           | \$815,689           |
|                         | Murray Cod         | <i>Maccullochella peelii</i> | 420,395              |                   | \$17.77                           | \$7,468,453         |
|                         | Rainbow Trout      | <i>Oncorhynchus mykiss</i>   | 207,370              |                   | \$13.03                           | \$2,701,851         |
|                         | Silver Perch       | <i>Bidyanus bidyanus</i>     | 174,150              |                   | \$12.11                           | \$2,108,160         |
| <b>Subtotal</b>         |                    |                              |                      |                   |                                   | <b>\$13,094,153</b> |
| Hatchery                | Hatchery Species** |                              |                      |                   |                                   | \$5,373,480         |
| <b>Subtotal</b>         |                    |                              |                      |                   |                                   | <b>\$5,373,480</b>  |
| Molluscs                | Sydney Rock Oyster | <i>Saccostrea glomerata</i>  |                      | 5,613,140         |                                   | \$50,785,783        |
|                         | Pacific Oyster     | <i>Crassostrea gigas</i>     |                      | 189,906           |                                   | \$2,836,577         |
|                         | Native Oyster      | <i>Ostrea angasi</i>         |                      | 2,015             |                                   | \$26,745            |
|                         | Oyster Spat***     |                              |                      |                   |                                   | \$4,593,112         |
| <b>Subtotal</b>         |                    |                              |                      |                   |                                   | <b>\$58,242,217</b> |
| Others*                 |                    |                              |                      |                   |                                   | \$2,526,033         |
| <b>Total Value (\$)</b> |                    |                              |                      |                   |                                   | <b>\$89,486,499</b> |

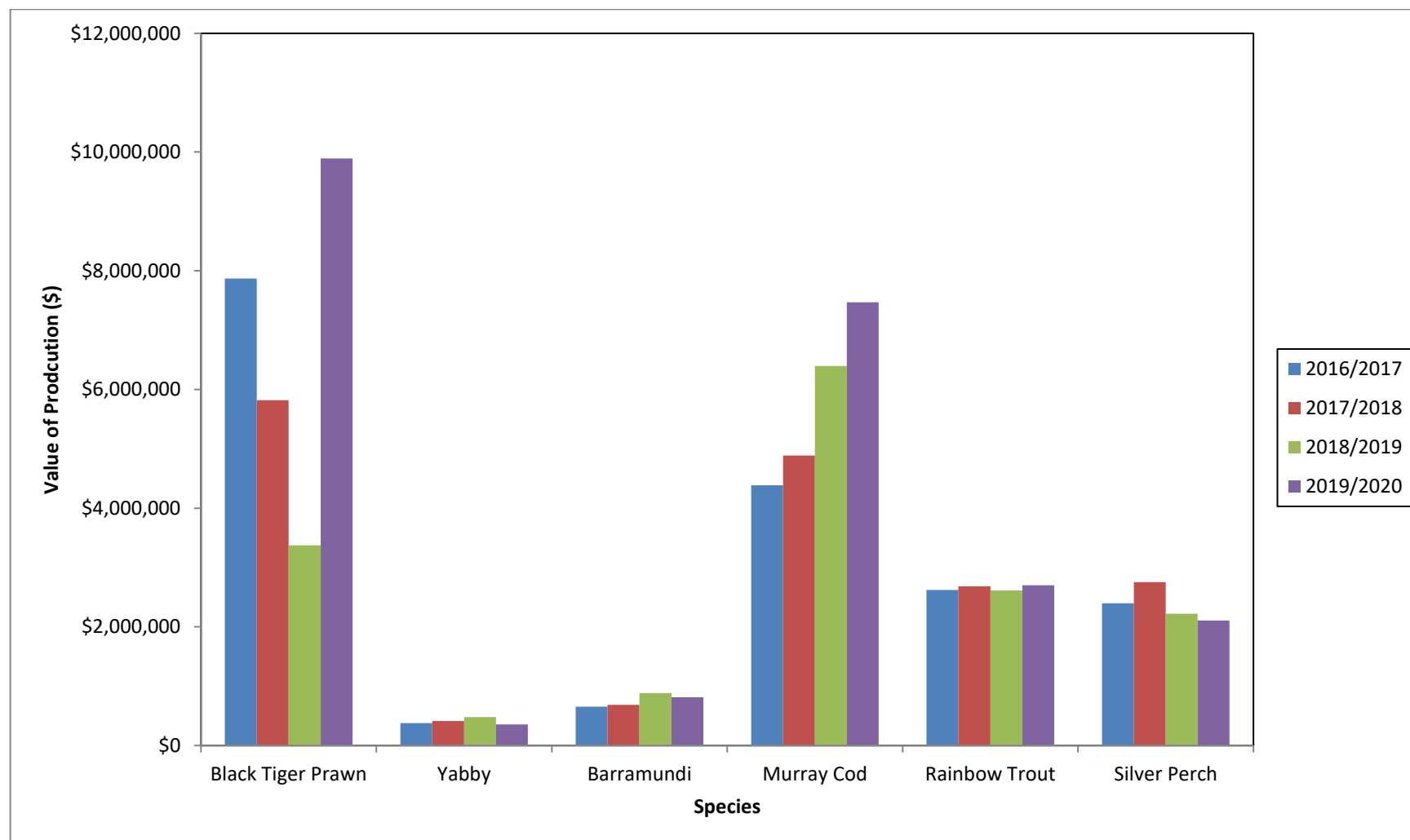
\* Not available for confidentiality reasons ( $\leq 5$  farms authorised to cultivate species). Species include: Australian Paratya (*Paratya australiensis*), Blue Mussel (*Mytilus galloprovincialis*), Brook Trout (*Salvelinus fontinalis*), Eel Tailed Catfish (*Tandanus tandanus*), Floodplain Mussel (*Velesunio ambiguus*), Golden Perch (*Macquaria novemaculeata*), Moreton Bay Bug (*Thenus australiensis*), Pearl Oyster (*Pinctada imbricata*), Sydney Rock Oyster (*Saccostrea glomerata*; nursery cultivated) and Tube Worm (*Diopatra aciculata*).

\*\* Refer to Table 3 of the Report. \*\*\* Refer to Table 7 of the Report.

**Table 2: Fish, Crustacean and Mollusc Production 2019/2020**

| Grouping                | Common Name       | Scientific Name              | Production (kg) | Average Price per Production Unit | Value (\$)          |
|-------------------------|-------------------|------------------------------|-----------------|-----------------------------------|---------------------|
| Crustaceans             | Black Tiger Prawn | <i>Penaeus monodon</i>       | 494,670         | \$20.00                           | \$9,892,094         |
|                         | Yabby             | <i>Cherax destructor</i>     | 504             | \$25.60                           | \$12,900            |
|                         | Yabby (bait)      | <i>Cherax destructor</i>     | 6,451           | \$53.58                           | \$345,622           |
| <b>Subtotal</b>         |                   |                              |                 |                                   | <b>\$10,250,616</b> |
| Freshwater Fish         | Barramundi        | <i>Lates calcarifer</i>      | 58,896          | \$13.85                           | \$815,689           |
|                         | Murray Cod        | <i>Maccullochella peelii</i> | 420,395         | \$17.77                           | \$7,468,453         |
|                         | Rainbow Trout     | <i>Oncorhynchus mykiss</i>   | 207,370         | \$13.03                           | \$2,701,851         |
|                         | Silver Perch      | <i>Bidyanus bidyanus</i>     | 174,150         | \$12.11                           | \$2,108,160         |
| <b>Subtotal</b>         |                   |                              |                 |                                   | <b>\$13,094,153</b> |
| Others*                 |                   |                              |                 |                                   | \$2,151,854         |
| <b>Total Value (\$)</b> |                   |                              |                 |                                   | <b>\$25,496,623</b> |

\* Not available for confidentiality reasons ( $\leq 5$  farms authorised to cultivate species). Species include: Australian Paratya (*Paratya australiensis*), Brook Trout (*Salvelinus fontinalis*), Eel Tailed Catfish (*Tandanus tandanus*), Floodplain Mussel (*Velesunio ambiguus*), Golden Perch (*Macquaria novemaculeata*), Moreton Bay Bug (*Thenus australiensis*), Sydney Rock Oyster (*Saccostrea glomerata*; nursery cultivated) and Tube Worm (*Diopatra aciculata*).

**Figure A: Comparison of Land Based Aquaculture Production by Species and Year**

**Table 3: Commercial Hatchery Production 2019/2020**

| Grouping                | Common Name        | Scientific Name                | Production (individuals) | Average Price per Production Unit | Value (\$)         |
|-------------------------|--------------------|--------------------------------|--------------------------|-----------------------------------|--------------------|
| <b>Aquarium Species</b> | Aquarium Species   |                                | **                       | **                                | \$190,441          |
|                         | Koi Carp           | <i>Cyprinus carpio</i>         | 121,544                  | \$2.17                            | \$263,860          |
| <b>Subtotal</b>         |                    |                                |                          |                                   | <b>\$454,301</b>   |
| <b>Freshwater Fish</b>  | Australian Bass    | <i>Macquaria novemaculeata</i> | 662,342                  | \$0.72                            | \$478,200          |
|                         | Eel Tailed Catfish | <i>Tandanus tandanus</i>       | 12,863                   | \$2.21                            | \$28,398           |
|                         | Golden Perch       | <i>Macquaria ambigua</i>       | 2,903,359                | \$0.41                            | \$1,199,663        |
|                         | Murray Cod         | <i>Maccullochella peelii</i>   | 5,899,548                | \$0.40                            | \$2,385,235        |
|                         | Rainbow Trout      | <i>Oncorhynchus mykiss</i>     | 11,000                   | \$1.15                            | \$12,627           |
|                         | Silver Perch       | <i>Bidyanus bidyanus</i>       | 631,935                  | \$0.48                            | \$300,916          |
| <b>Subtotal</b>         |                    |                                | <b>10,121,047</b>        |                                   | <b>\$4,405,039</b> |
| <b>Others*</b>          |                    |                                |                          |                                   | \$514,140          |
| <b>Total Value (\$)</b> |                    |                                |                          |                                   | <b>\$5,373,480</b> |

\* Not available for confidentiality reasons ( $\leq 5$  hatcheries authorised to cultivate species). Species include: Akoya Oyster (*Pinctada imbricate*), Black Tiger Prawn (*Penaeus monodon*), Eastern King Prawn (*Melicertus plebejus*), Estuary Perch (*Macquaria colonorum*), Floodplain Mussel (*Velesunio ambiguus*), Trout Cod (*Maccullochella macquariensis*) and Yellowtail Kingfish (*Seriola lalandi*).

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



**Table 4: Sydney Rock Oyster & Pacific Oyster\*\* Production by Estuary and Grade 2019/2020**

| Estuary          | Species                   | Large<br>Dozens | Large<br>Value (\$) | Medium<br>Dozens | Medium<br>Value (\$) | Small<br>Dozens | Small<br>Value (\$) | Total<br>Dozens | Total<br>Value (\$) |
|------------------|---------------------------|-----------------|---------------------|------------------|----------------------|-----------------|---------------------|-----------------|---------------------|
| Nambucca River   | Sydney Rock Oyster        | 12,442          | \$141,466           | 30,798           | \$282,726            | 39,086          | \$269,303           | 82,326          | \$693,494           |
| Macleay River    | Sydney Rock Oyster        | 6,749           | \$76,736            | 39,068           | \$358,644            | 11,224          | \$77,333            | 57,041          | \$512,714           |
| Hastings River   | Sydney Rock Oyster        | 34,760          | \$395,221           | 118,966          | \$1,092,108          | 81,429          | \$561,046           | 235,155         | \$2,048,375         |
| Camden Haven     | Sydney Rock Oyster        | 59,497          | \$676,481           | 68,173           | \$625,828            | 104,380         | \$719,178           | 232,050         | \$2,021,487         |
| Manning River    | Sydney Rock Oyster        | 14,903          | \$169,447           | 19,825           | \$181,994            | 31,686          | \$218,317           | 66,414          | \$569,757           |
| Wallis Lake      | Sydney Rock Oyster        | 329,970         | \$3,751,759         | 428,078          | \$3,929,756          | 483,502         | \$3,331,329         | 1,241,550       | \$11,012,844        |
| Port Stephens    | Sydney Rock Oyster        | 479,404         | \$5,450,823         | 292,532          | \$2,685,444          | 248,461         | \$1,711,896         | 1,020,397       | \$9,848,164         |
|                  | Pacific Oyster (Diploid)  | 7,701           | \$84,711            | 5,252            | \$53,728             | 1,399           | \$11,192            | 14,352          | \$149,631           |
| Brisbane Water   | Sydney Rock Oyster        | 10,322          | \$117,361           | 41,453           | \$380,539            | 75,688          | \$521,490           | 127,463         | \$1,019,390         |
|                  | Pacific Oyster (Triploid) | 132             | \$2,244             | 700              | \$9,632              | 1,275           | \$15,020            | 2,107           | \$26,896            |
| Hawkesbury River | Sydney Rock Oyster        | 46,436          | \$527,977           | 52,879           | \$485,429            | 60,385          | \$416,053           | 159,700         | \$1,429,459         |
|                  | Pacific Oyster (Triploid) | 11,900          | \$202,300           | 14,760           | \$203,098            | 2,730           | \$32,159            | 29,390          | \$437,557           |
| Crookhaven River | Sydney Rock Oyster        | 31,496          | \$358,110           | 44,282           | \$406,509            | 45,340          | \$312,393           | 121,118         | \$1,077,011         |

| Estuary        | Species                   | Large<br>Dozens  | Large<br>Value (\$) | Medium<br>Dozens | Medium<br>Value (\$) | Small<br>Dozens  | Small<br>Value (\$) | Total<br>Dozens  | Total<br>Value (\$) |
|----------------|---------------------------|------------------|---------------------|------------------|----------------------|------------------|---------------------|------------------|---------------------|
|                | Pacific Oyster (Triploid) | 2,628            | \$44,676            | 4,762            | \$65,525             | 2,046            | \$24,102            | 9,436            | \$134,303           |
| Clyde River    | Sydney Rock Oyster        | 82,187           | \$934,466           | 239,728          | \$2,200,703          | 161,849          | \$1,115,140         | 483,764          | \$4,250,309         |
|                | Pacific Oyster (Triploid) | 78,236           | \$1,330,012         | 33,600           | \$462,336            | 8,280            | \$97,538            | 120,116          | \$1,889,886         |
| Tuross Lake    | Sydney Rock Oyster        | 34,022           | \$386,830           | 38,584           | \$354,201            | 16,546           | \$114,002           | 89,152           | \$855,033           |
| Wagonga Inlet  | Sydney Rock Oyster        | 117,048          | \$1,330,836         | 97,063           | \$891,038            | 118,858          | \$818,932           | 332,969          | \$3,040,806         |
| Wapengo Lake   | Sydney Rock Oyster        | 33,396           | \$379,713           | 71,772           | \$658,867            | 53,208           | \$366,603           | 158,376          | \$1,405,183         |
| Merimbula Lake | Sydney Rock Oyster        | 201,273          | \$2,288,474         | 318,764          | \$2,926,254          | 189,358          | \$1,304,677         | 709,395          | \$6,519,404         |
| Pambula River  | Sydney Rock Oyster        | 58,736           | \$667,828           | 135,429          | \$1,243,238          | 79,073           | \$544,813           | 273,238          | \$2,455,880         |
| Wonboyn River  | Sydney Rock Oyster        | 34,318           | \$390,196           | 38,103           | \$349,786            | 30,689           | \$211,447           | 103,110          | \$951,428           |
| Others*        | Sydney Rock Oyster        | 29,928           | \$340,281           | 50,090           | \$459,826            | 39,904           | \$274,939           | 119,922          | \$1,075,046         |
|                | Pacific Oyster (Triploid) | 3,511            | \$59,687            | 4,600            | \$63,296             | 6,394            | \$75,321            | 14,505           | \$198,304           |
| <b>Total</b>   |                           | <b>1,720,995</b> | <b>\$20,107,635</b> | <b>2,189,261</b> | <b>\$20,370,503</b>  | <b>1,892,790</b> | <b>\$13,144,221</b> | <b>5,803,046</b> | <b>\$53,622,359</b> |

\* Not available for confidentiality reasons ( $\leq 5$  current permit holders in the estuary). Includes: Bega River, Bellinger River, Bermagui River, Botany Bay, Clarence River, Nelson Lagoon, Patonga Creek, Richmond River, Shoalhaven River, Tweed River and Wooli Wooli River.

\*\* Includes Diploid and Triploid Pacific Oyster Production.



**Table 5: Sydney Rock Oyster Production (Dozens) – 2016/17, 2017/18, 2018/19 & 2019/20 by Estuary and Grade**

| Estuary          | Large<br>2016/17 | Large<br>2017/18 | Large<br>2018/19 | Large<br>2019/20 | Medium<br>2016/17 | Medium<br>2017/18 | Medium<br>2018/19 | Medium<br>2019/20 | Small<br>2016/17 | Small<br>2017/18 | Small<br>2018/19 | Small<br>2019/20 | Total<br>2016/17 | Total<br>2017/18 | Total<br>2018/19 | Total<br>2019/20 |
|------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Nambucca River   | 14,982           | 12,939           | 10,276           | 12,442           | 26,658            | 24,876            | 17,936            | 30,798            | 35,160           | 17,700           | 17,068           | 39,086           | 76,800           | 55,515           | 45,280           | 82,326           |
| Macleay River    | 3,142            | 7,250            | 7,698            | 6,749            | 14,794            | 44,596            | 67,615            | 39,068            | 21,740           | 26,139           | 27,283           | 11,224           | 39,676           | 77,985           | 102,596          | 57,041           |
| Hastings River   | 98,684           | 32,053           | 39,041           | 34,760           | 128,374           | 97,096            | 153,268           | 118,966           | 51,388           | 83,480           | 96,021           | 81,429           | 278,446          | 212,629          | 288,330          | 235,155          |
| Camden Haven     | 50,381           | 69,918           | 66,468           | 59,497           | 67,970            | 121,168           | 111,661           | 68,173            | 207,015          | 165,940          | 221,576          | 104,380          | 325,366          | 357,026          | 399,705          | 232,050          |
| Manning River    | 17,276           | 25,922           | 34,423           | 14,903           | 35,061            | 28,542            | 31,578            | 19,825            | 37,281           | 56,872           | 59,672           | 31,686           | 89,618           | 111,336          | 125,673          | 66,414           |
| Wallis Lake      | 236,609          | 277,961          | 305,262          | 329,970          | 481,692           | 537,901           | 623,358           | 428,078           | 748,424          | 709,207          | 624,975          | 483,502          | 1,466,725        | 1,525,069        | 1,553,595        | 1,241,550        |
| Port Stephens    | 376,721          | 452,167          | 412,115          | 479,404          | 236,863           | 296,983           | 314,531           | 292,532           | 201,762          | 241,028          | 270,491          | 248,461          | 815,346          | 990,178          | 997,137          | 1,020,397        |
| Brisbane Water   | 20,111           | 12,983           | 14,595           | 10,322           | 47,845            | 41,957            | 36,002            | 41,453            | 87,770           | 91,139           | 107,000          | 75,688           | 155,726          | 146,079          | 157,597          | 127,463          |
| Hawkesbury River | 10,787           | 7,481            | 14,833           | 46,436           | 24,713            | 13,317            | 11,580            | 52,879            | 14,126           | 10,504           | 11,954           | 60,385           | 49,626           | 31,302           | 38,367           | 159,700          |
| Crookhaven River | 47,797           | 47,838           | 44,007           | 31,496           | 157,525           | 170,009           | 124,226           | 44,282            | 57,723           | 141,374          | 95,306           | 45,340           | 263,045          | 359,221          | 263,539          | 121,118          |
| Clyde River      | 66,939           | 78,644           | 88,106           | 82,187           | 142,506           | 249,232           | 234,534           | 239,728           | 132,482          | 162,216          | 265,626          | 161,849          | 341,927          | 490,092          | 588,266          | 483,764          |
| Tuross Lake      | 37,117           | 32,426           | 32,984           | 34,022           | 33,537            | 42,891            | 38,969            | 38,584            | 24,322           | 22,249           | 15,324           | 16,546           | 94,976           | 97,566           | 87,277           | 89,152           |
| Wagonga Inlet    | 52,937           | 42,503           | 66,105           | 117,048          | 75,219            | 78,295            | 102,871           | 97,063            | 139,450          | 154,839          | 105,477          | 118,858          | 267,606          | 275,637          | 274,453          | 332,969          |

| Estuary        | Large<br>2016/17 | Large<br>2017/18 | Large<br>2018/19 | Large<br>2019/20 | Medium<br>2016/17 | Medium<br>2017/18 | Medium<br>2018/19 | Medium<br>2019/20 | Small<br>2016/17 | Small<br>2017/18 | Small<br>2018/19 | Small<br>2019/20 | Total<br>2016/17 | Total<br>2017/18 | Total<br>2018/19 | Total<br>2019/20 |
|----------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Wapengo Lake   | 31,615           | 44,740           | 44,872           | 33,396           | 76,639            | 87,263            | 87,730            | 71,772            | 33,966           | 67,864           | 63,467           | 53,208           | 142,220          | 199,867          | 196,069          | 158,376          |
| Merimbula Lake | 94,347           | 140,841          | 139,699          | 201,273          | 238,348           | 277,605           | 276,154           | 318,764           | 203,400          | 124,411          | 153,177          | 189,358          | 536,095          | 542,857          | 569,030          | 709,395          |
| Pambula River  | 60,136           | 70,308           | 65,527           | 58,736           | 111,201           | 135,126           | 142,271           | 135,429           | 75,174           | 75,512           | 56,968           | 79,073           | 246,511          | 280,946          | 264,766          | 273,238          |
| Wonboyn River  | 42,712           | 38,079           | 36,780           | 34,318           | 44,772            | 37,646            | 52,237            | 38,103            | 39,863           | 33,149           | 33,199           | 30,689           | 127,347          | 108,874          | 122,216          | 103,110          |
| Others*        | 75,391           | 40,672           | 37,812           | 29,928           | 59,091            | 39,342            | 74,918            | 50,090            | 66,328           | 46,908           | 38,163           | 39,904           | 200,810          | 126,922          | 150,893          | 119,922          |
| <b>Total</b>   | <b>1,337,684</b> | <b>1,434,725</b> | <b>1,460,603</b> | <b>1,616,887</b> | <b>2,002,808</b>  | <b>2,323,845</b>  | <b>2,501,439</b>  | <b>2,125,587</b>  | <b>2,177,374</b> | <b>2,230,531</b> | <b>2,262,747</b> | <b>1,870,666</b> | <b>5,517,866</b> | <b>5,989,101</b> | <b>6,224,789</b> | <b>5,613,140</b> |

\* Not available for confidentiality reasons ( $\leq 5$  current permit holders in the estuary). Includes: Bega River, Bellinger River, Bermagui River, Botany Bay, Clarence River, Nelson Lagoon, Patonga Creek, Richmond River, Shoalhaven River, Tweed River and Wooli Wooli River.

**Table 6: Pacific Oyster Production\*\* (Dozens) - 2016/2017, 2017/2018, 2018/2019 & 2019/20 by Estuary and Grade**

| Estuary             | Large<br>2016/17 | Large<br>2017/18 | Large<br>2018/19 | Large<br>2019/20 | Medium<br>2016/17 | Medium<br>2017/18 | Medium<br>2018/19 | Medium<br>2019/20 | Small<br>2016/17 | Small<br>2017/18 | Small<br>2018/19 | Small<br>2019/20 | Total<br>2016/17 | Total<br>2017/18 | Total<br>2018/19 | Total<br>2019/20 |
|---------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Port Stephens       | 8,853            | 13,905           | 1,941            | 7,701            | 8,008             | 15,197            | 2,589             | 5,252             | 12,238           | 16,288           | 3,294            | 1,399            | 29,099           | 45,390           | 7,824            | 14,352           |
| Brisbane<br>Water   | 0                | 0                | 0                | 132              | 0                 | 0                 | 0                 | 700               | 0                | 0                | 0                | 1,275            | 0                | 0                | 0                | 2,107            |
| Hawkesbury<br>River | 3,373            | 5,694            | 5,840            | 11,900           | 0                 | 5,918             | 9,200             | 14,760            | 0                | 3,880            | 7,224            | 2,730            | 3,373            | 15,492           | 22,264           | 29,390           |
| Crookhaven<br>River | 11,924           | 10,765           | 1,819            | 2,628            | 20,776            | 2,488             | 1,088             | 4,762             | 3,258            | 2,225            | 685              | 2,046            | 35,958           | 15,478           | 3,592            | 9,436            |
| Clyde River         | 164,649          | 56,748           | 10,810           | 78,236           | 18,064            | 10,443            | 19,327            | 33,600            | 7,377            | 1,405            | 4,500            | 8,280            | 190,090          | 68,596           | 34,637           | 120,116          |
| Others*             | 20,633           | 15,622           | 5,035            | 3,511            | 5,976             | 5,830             | 3,259             | 4,600             | 2,230            | 1,800            | 1,641            | 6,394            | 28,839           | 23,252           | 9,935            | 14,505           |
| <b>Total</b>        | <b>209,432</b>   | <b>102,734</b>   | <b>25,445</b>    | <b>104,108</b>   | <b>52,824</b>     | <b>39,876</b>     | <b>35,463</b>     | <b>63,674</b>     | <b>25,103</b>    | <b>25,598</b>    | <b>17,344</b>    | <b>22,124</b>    | <b>287,359</b>   | <b>168,208</b>   | <b>78,252</b>    | <b>189,906</b>   |

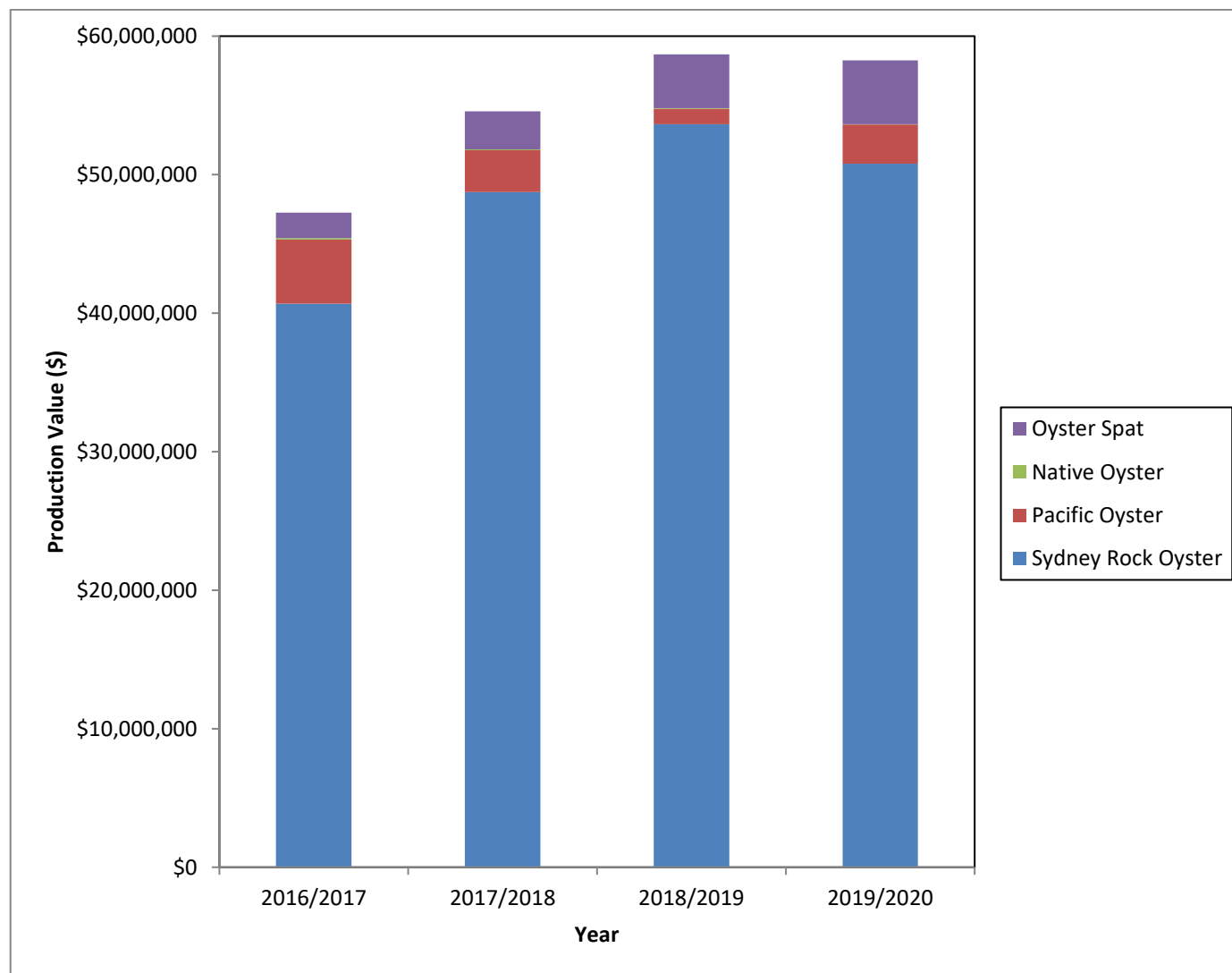
\* Not available for confidentiality reasons ( $\leq 5$  current permit holders in the estuary). Includes: Botany Bay, Georges River, Patonga Creek, Shoalhaven River and Wapengo Lake.

\*\* Includes Diploid and Triploid Pacific Oyster production.

**Table 7: Oyster Spat Production\* by Spat Source for 2019/2020**

| Type of Cultivation    | Large Spat (\$)    | Medium Spat (\$)   | Small Spat (\$)  | Total Value (\$)   |
|------------------------|--------------------|--------------------|------------------|--------------------|
| Hatchery Nursery Stock | \$23,329           | \$36,050           | \$551,889        | \$611,268          |
| Wild Caught Stock      | \$1,700,801        | \$1,903,003        | \$378,040        | \$3,981,844        |
| <b>Total</b>           | <b>\$1,724,130</b> | <b>\$1,939,053</b> | <b>\$929,929</b> | <b>\$4,593,112</b> |

\* Includes figures for Sydney Rock Oyster, Pacific Oyster and Native Oyster.

**Figure B: Comparison of Oyster Aquaculture Production by Species and Year**

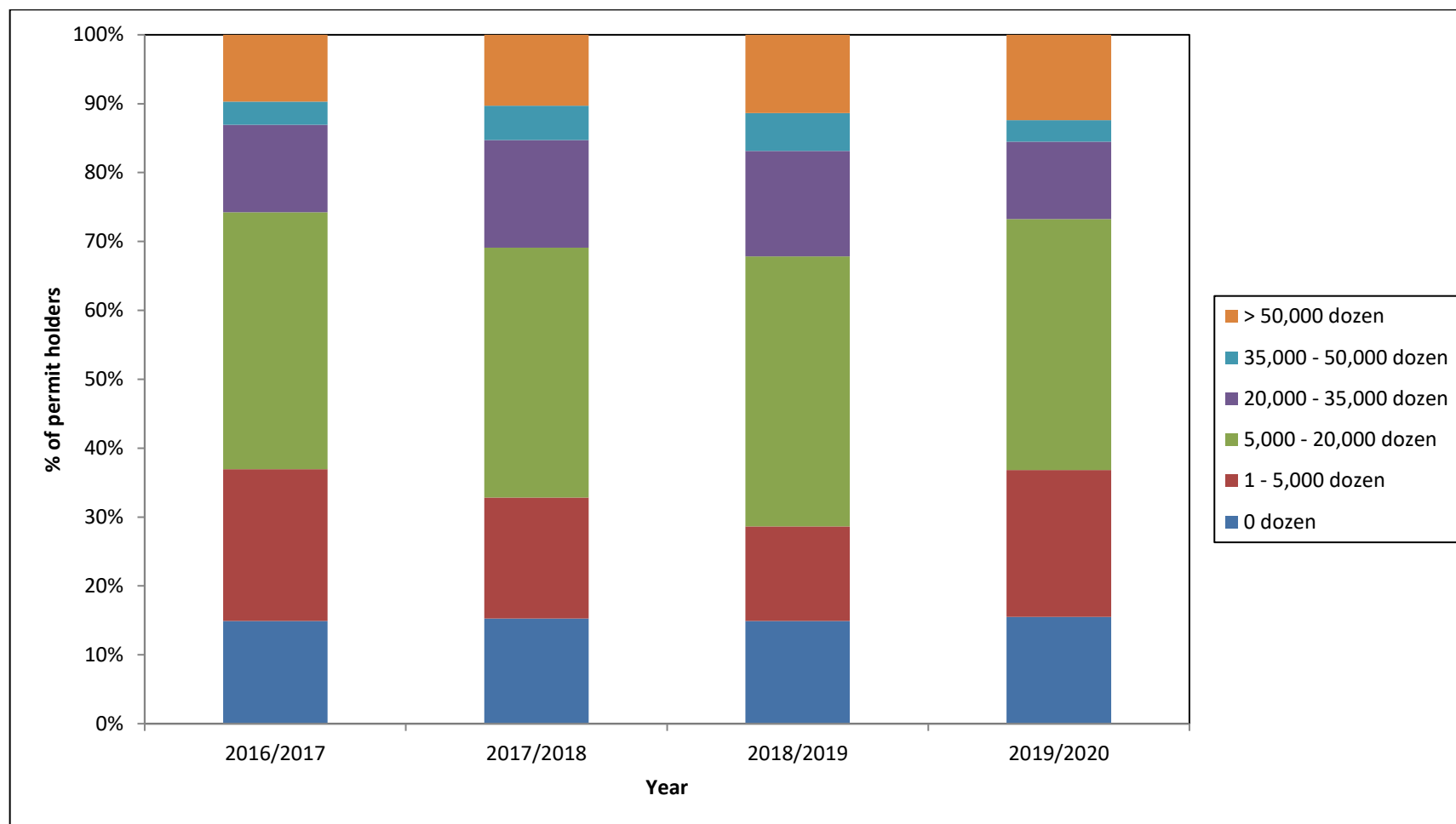
**Table 8: Total Oyster Production by Permit Holder for 2019/2020**

| Production Range                  | Nil Production | 1 - 5,000 Dozen    | 5,001 - 20,000 Dozen | 20,001 - 35,000 Dozen | 35,001 - 50,000 Dozen | > 50,001 Dozen      | Total               |
|-----------------------------------|----------------|--------------------|----------------------|-----------------------|-----------------------|---------------------|---------------------|
| Number of Permit Holders*         | 40             | 55                 | 94                   | 29                    | 8                     | 32                  | 258                 |
| Percentage of Permit Holders      | 16%            | 21%                | 36%                  | 11%                   | 3%                    | 12%                 | 100%                |
| Quantity Produced (dozens)        | 0              | 113,213            | 1,132,081            | 783,116               | 339,639               | 3,437,012           | 5,805,061           |
| Percentage of Production (dozens) | 0%             | 2%                 | 20%                  | 13%                   | 6%                    | 59%                 | 100%                |
| <b>Total Value (\$)</b>           | <b>\$0</b>     | <b>\$1,040,662</b> | <b>\$10,491,290</b>  | <b>\$7,190,227</b>    | <b>\$3,015,379</b>    | <b>\$31,911,547</b> | <b>\$53,649,105</b> |

\* Does not include the Class A permit holders who did not submit a production return for 2019/2020. Does not include oyster spat production.

**Table 9: Average Reported Farm Gate Price for 2019/2020 by Species and Grade**

| Grade  | Sydney Rock Oyster<br><i>average price per dozen</i> | Pacific Oyster<br><i>average price per dozen</i> | Triploid Pacific Oyster<br><i>average price per dozen</i> | Native Oyster<br><i>average price per dozen</i> |
|--------|------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------|
| Large  | \$11.37                                              | \$11.00                                          | \$17.00                                                   | \$16.00                                         |
| Medium | \$9.18                                               | \$10.23                                          | \$13.76                                                   | \$13.00                                         |
| Small  | \$6.89                                               | \$8.00                                           | \$11.78                                                   | \$12.00                                         |

**Figure C: Percentage of Class A Permit Holders by Production Group**



**Table 10: Average Farm Gate Price by Estuary & Species**

| Estuary*         | Species                   | Large Grade | Medium Grade | Small Grade |
|------------------|---------------------------|-------------|--------------|-------------|
| Nambucca River   | Sydney Rock Oyster        | \$12.68     | \$10.48      | \$8.27      |
| Macleay River    | Sydney Rock Oyster        | \$10.79     | \$8.46       | \$6.10      |
| Hastings River   | Sydney Rock Oyster        | \$11.15     | \$8.90       | \$7.05      |
| Camden Haven     | Sydney Rock Oyster        | \$11.05     | \$8.94       | \$6.77      |
| Manning River    | Sydney Rock Oyster        | \$10.57     | \$8.31       | \$6.11      |
| Wallis Lake      | Sydney Rock Oyster        | \$10.40     | \$8.16       | \$5.84      |
| Port Stephens    | Sydney Rock Oyster        | \$10.85     | \$8.79       | \$6.47      |
|                  | Pacific Oyster (Diploid)  | \$11.00     | \$10.23      | \$8.00      |
| Brisbane Water   | Sydney Rock Oyster        | \$15.00     | \$13.00      | \$8.90      |
| Hawkesbury River | Sydney Rock Oyster        | \$11.40     | \$9.29       | \$7.38      |
|                  | Pacific Oyster (Triploid) | \$16.50     | \$14.00      | \$10.88     |
| Crookhaven River | Sydney Rock Oyster        | \$10.49     | \$9.11       | \$5.69      |
|                  | Pacific Oyster (Triploid) | \$13.35     | \$12.68      | \$8.97      |
| Clyde River      | Sydney Rock Oyster        | \$13.76     | \$9.72       | \$7.72      |
|                  | Pacific Oyster (Triploid) | \$17.54     | \$13.91      | \$12.88     |
| Tuross Lake      | Sydney Rock Oyster        | \$10.81     | \$8.93       | \$6.71      |
| Wagonga Inlet    | Sydney Rock Oyster        | \$10.74     | \$8.51       | \$6.31      |
| Wapengo Lake     | Sydney Rock Oyster        | \$12.64     | \$10.08      | \$7.53      |
| Merimbula Lake   | Sydney Rock Oyster        | \$10.65     | \$8.67       | \$6.79      |
| Pambula River    | Sydney Rock Oyster        | \$11.31     | \$8.83       | \$6.97      |
| Wonboyn River    | Sydney Rock Oyster        | \$10.89     | \$8.95       | \$7.02      |

\* Average farm gate price not recorded for estuaries with ≤ 5 permit holders.

**Table 11: Size Grades for Sydney Rock Oyster & Pacific Oyster**

| Grade  | Sydney Rock Oyster                              | Pacific Oyster                                  |
|--------|-------------------------------------------------|-------------------------------------------------|
| Large  | > 70mm total length or > 50g whole weight       | > 85mm total length or > 70g whole weight       |
| Medium | 55 - 70mm total length or 30 - 50g whole weight | 70 - 85mm total length or 35 - 70g whole weight |
| Small  | < 55mm total length or < 30g whole weight       | < 70mm total length or < 35g whole weight       |