

Appendix 2. Pacific reports revised in 2020 are highlighted. S=strategic stock, N=non-strategic stock. unk=unknown, undet=undetermined, n/a=not applicable.

| Species                        | Stock                                 | N est   | CV N est | N min   | R max | Fr   | PBR    | Total Annual Mortality | Annual Fishery Mortality | Strategic | Recent Abundance Surveys | SAR Last Revised |
|--------------------------------|---------------------------------------|---------|----------|---------|-------|------|--------|------------------------|--------------------------|-----------|--------------------------|------------------|
|                                |                                       |         |          |         |       |      |        | + Serious Injury       | + Serious Injury         |           |                          |                  |
| California Sea Lion            | United States                         | 257,606 | n/a      | 233,515 | 0.12  | 1    | 14,011 | ≥321                   | ≥197                     | N         | 2008 2013 2014           | 2018             |
| Harbor seal                    | California                            | 30,968  | n/a      | 27,348  | 0.12  | 1    | 1,641  | 43                     | 30                       | N         | 2004 2009 2012           | 2014             |
| Harbor seal                    | Oregon/Washington Coast               | unk     | unk      | unk     | 0.12  | 1    | undet  | 10.6                   | 7.4                      | N         | 1999                     | 2013             |
| Harbor seal                    | Washington Northern Inland Waters     | unk     | unk      | unk     | 0.12  | 1    | undet  | 9.8                    | 2.8                      | N         | 1999                     | 2013             |
| Harbor seal                    | Southern Puget Sound                  | unk     | unk      | unk     | 0.12  | 1    | undet  | 3.4                    | 1                        | N         | 1999                     | 2013             |
| Harbor seal                    | Hood Canal                            | unk     | unk      | unk     | 0.12  | 1    | undet  | 0.2                    | 0.2                      | N         | 1999                     | 2013             |
| Northern Elephant Seal         | California Breeding                   | 179,000 | n/a      | 81,368  | 0.12  | 1    | 4,882  | 8.8                    | 4                        | N         | 2002 2005 2010           | 2014             |
| Guadalupe Fur Seal             | Mexico                                | 34,187  | n/a      | 31,019  | 0.137 | 0.5  | 1,062  | ≥3.8                   | ≥1.2                     | S         | 2008 2009 2013           | 2019             |
| Northern Fur Seal (California) | California                            | 14,050  | n/a      | 7,524   | 0.12  | 1    | 451    | 1.8                    | ≥0.8                     | N         | 2010 2011 2013           | 2015             |
| Monk Seal                      | Hawaii                                | 1,437   | 0.03     | 1,374   | 0.07  | 0.1  | 4.8    | ≥4.8                   | ≥2.0                     | S         | 2016 2017 2018           | 2020             |
| Harbor porpoise                | Morro Bay                             | 4,255   | 0.56     | 2,737   | 0.097 | 0.5  | 66     | ≥0.4                   | ≥0.2                     | N         | 2008 2011 2012           | 2019             |
| Harbor porpoise                | Monterey Bay                          | 3,455   | 0.58     | 2,197   | 0.042 | 0.5  | 23     | ≥0.2                   | ≥0.2                     | N         | 2011 2012 2013           | 2019             |
| Harbor porpoise                | San Francisco - Russian River         | 7,524   | 0.57     | 4,801   | 0.04  | 0.5  | 48     | ≥0.6                   | ≥0.6                     | N         | 2014 2016 2017           | 2019             |
| Harbor porpoise                | Northern CA/Southern OR               | 24,195  | 0.4      | 17,447  | 0.04  | 1    | 349    | ≥0.2                   | 0                        | N         | 2011 2014 2016           | 2019             |
| Harbor porpoise                | Northern OR/Washington Coast          | 21,487  | 0.44     | 15,123  | 0.04  | 0.5  | 151    | ≥3.0                   | ≥3.0                     | N         | 2002 2010 2011           | 2013             |
| Harbor porpoise                | Washington Inland Waters              | 11,233  | 0.37     | 8,308   | 0.04  | 0.4  | 66     | ≥7.2                   | ≥7.2                     | N         | 2013 2014 2015           | 2016             |
| Dall's porpoise                | California/Oregon/Washington          | 25,750  | 0.45     | 17,954  | 0.04  | 0.48 | 172    | 0.3                    | 0.3                      | N         | 2005 2008 2014           | 2016             |
| Pacific white-sided dolphin    | California/Oregon/Washington          | 26,814  | 0.28     | 21,195  | 0.04  | 0.45 | 191    | 7.5                    | 1.1                      | N         | 2005 2008 2014           | 2016             |
| Risso's dolphin                | California/Oregon/Washington          | 6,336   | 0.32     | 4,817   | 0.04  | 0.48 | 46     | ≥3.7                   | ≥3.7                     | N         | 2005 2008 2014           | 2016             |
| Common Bottlenose dolphin      | California Coastal                    | 453     | 0.06     | 346     | 0.04  | 0.48 | 2.7    | ≥2.0                   | ≥1.6                     | N         | 2009 2010 2011           | 2016             |
| Common Bottlenose dolphin      | California/Oregon/Washington Offshore | 1,924   | 0.54     | 1,255   | 0.04  | 0.45 | 11     | ≥1.6                   | ≥1.6                     | N         | 2005 2008 2014           | 2016             |
| Striped dolphin                | California/Oregon/Washington          | 29,211  | 0.20     | 24,782  | 0.04  | 0.48 | 238    | ≥0.8                   | ≥0.8                     | N         | 2005 2008 2014           | 2016             |
| Common dolphin, short-beaked   | California/Oregon/Washington          | 969,861 | 0.17     | 839,325 | 0.04  | 0.5  | 8,393  | ≥40                    | ≥40                      | N         | 2005 2008 2014           | 2016             |
| Common dolphin, long-beaked    | California                            | 101,305 | 0.49     | 68,432  | 0.04  | 0.48 | 657    | ≥35.4                  | ≥32.0                    | N         | 2005 2008 2014           | 2016             |
| Northern right whale dolphin   | California/Oregon/Washington          | 26,556  | 0.44     | 18,608  | 0.04  | 0.48 | 179    | 3.8                    | 3.8                      | N         | 2005 2008 2014           | 2016             |
| Killer whale                   | Eastern N Pacific Offshore            | 300     | 0.1      | 276     | 0.04  | 0.5  | 2.8    | 0                      | 0                        | N         | 2010 2011 2012           | 2018             |
| Killer whale                   | Eastern N Pacific Southern Resident   | 73      | n/a      | 73      | 0.035 | 0.1  | 0.13   | ≥0.4                   | 0                        | S         | 2017 2018 2019           | 2020             |
| Short-finned pilot whale       | California/Oregon/Washington          | 836     | 0.79     | 466     | 0.04  | 0.48 | 4.5    | 1.2                    | 1.2                      | N         | 2005 2008 2014           | 2016             |
| Baird's beaked whale           | California/Oregon/Washington          | 2,697   | 0.6      | 1,633   | 0.04  | 0.5  | 16.0   | 0                      | 0                        | N         | 2005 2008 2014           | 2017             |
| Mesoplodont beaked whales      | California/Oregon/Washington          | 3,044   | 0.54     | 1,967   | 0.04  | 0.5  | 20.0   | 0.1                    | 0.1                      | N         | 2005 2008 2014           | 2017             |
| Cuvier's beaked whale          | California/Oregon/Washington          | 3,274   | 0.67     | 2,059   | 0.04  | 0.5  | 21     | <0.1                   | <0.1                     | N         | 2005 2008 2014           | 2017             |

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| Species                     | Stock                        | N est  | CV N est | N min  | R max | Fr   | PBR   | Total Annual Mortality | Annual Fishery Mortality | Strategic | Recent Abundance Surveys | SAR Last Revised |
|-----------------------------|------------------------------|--------|----------|--------|-------|------|-------|------------------------|--------------------------|-----------|--------------------------|------------------|
|                             |                              |        |          |        |       |      |       | + Serious Injury       | + Serious Injury         |           |                          |                  |
| Pygmy Sperm whale           | California/Oregon/Washington | 4,111  | 1.12     | 1,924  | 0.04  | 0.5  | 19.2  | 0                      | 0                        | N         | 2005 2008 2014           | 2016             |
| Dwarf sperm whale           | California/Oregon/Washington | unk    | unk      | unk    | 0.04  | 0.5  | undet | 0                      | 0                        | N         | 2005 2008 2014           | 2016             |
| Sperm whale                 | California/Oregon/Washington | 1,997  | 0.57     | 1,270  | 0.04  | 0.1  | 2.5   | 0.6                    | 0.64                     | S         | 2005 2008 2014           | 2019             |
| Gray whale                  | Eastern N Pacific            | 26,960 | 0.05     | 25,849 | 0.062 | 1.0  | 801   | 131                    | 9.3                      | N         | 2011 2015 2016           | 2020             |
| Gray whale                  | Western N Pacific            | 290    | n/a      | 271    | 0.062 | 0.1  | 0.12  | unk                    | unk                      | S         | 2014 2015 2016           | 2020             |
| Humpback whale              | California/Oregon/Washington | 2,900  | 0.05     | 2,784  | 0.08  | 0.3  | 16.7  | ≥ 42.1                 | ≥ 19.4                   | S         | 2011 2013 2014           | 2019             |
| Blue whale                  | Eastern N Pacific            | 1,496  | 0.44     | 1,050  | 0.04  | 0.1  | 1.2   | ≥ 19.4                 | ≥ 1.44                   | S         | 2008 2011 2014           | 2019             |
| Fin whale                   | California/Oregon/Washington | 9,029  | 0.12     | 8,127  | 0.04  | 0.5  | 81    | ≥ 43.7                 | ≥ 0.67                   | S         | 2005 2008 2014           | 2020             |
| Sei whale                   | Eastern N Pacific            | 519    | 0.4      | 374    | 0.04  | 0.1  | 0.75  | ≥ 0.2                  | ≥ 0.2                    | S         | 2005 2008 2014           | 2018             |
| Minke whale                 | California/Oregon/Washington | 636    | 0.72     | 369    | 0.04  | 0.48 | 3.5   | ≥ 1.3                  | ≥ 1.3                    | N         | 2005 2008 2014           | 2016             |
| Bryde's whale               | Eastern Tropical Pacific     | unk    | unk      | unk    | 0.04  | 0.5  | undet | unk                    | unk                      | N         | n/a n/a n/a              | 2015             |
| Rough-toothed dolphin       | Hawaii                       | 76,375 | 0.41     | 54,804 | 0.04  | 0.5  | 548   | 0                      | 0                        | N         | 2002 2010 2017           | 2020             |
| Rough-toothed dolphin       | American Samoa               | unk    | unk      | unk    | 0.04  | 0.5  | undet | unk                    | unk                      | unk       | n/a n/a n/a              | 2010             |
| Risso's dolphin             | Hawaii                       | 7,385  | 0.22     | 6,150  | 0.04  | 0.5  | 61    | 0                      | 0                        | N         | 2002 2010 2017           | 2020             |
| Common Bottlenose dolphin   | Hawaii Pelagic               | unk    | unk      | unk    | 0.04  | 0.5  | undet | 0                      | 0                        | N         | 2002 2010 2017           | 2017             |
| Common Bottlenose dolphin   | Kaua'i and Ni'ihau           | unk    | unk      | 97     | 0.04  | 0.5  | 1.0   | unk                    | unk                      | N         | 2003 2012 2015           | 2017             |
| Common Bottlenose dolphin   | O'ahu                        | unk    | unk      | n/a    | 0.04  | 0.5  | undet | unk                    | unk                      | N         | 2002 2003 2006           | 2017             |
| Common Bottlenose dolphin   | 4 Islands Region             | unk    | unk      | n/a    | 0.04  | 0.5  | undet | unk                    | unk                      | N         | 2002 2003 2006           | 2017             |
| Common Bottlenose dolphin   | Hawaiian Island              | unk    | unk      | 91     | 0.04  | 0.5  | 0.9   | unk                    | unk                      | N         | 2002 2003 2006           | 2017             |
| Pantropical Spotted dolphin | Hawaii Pelagic               | 39,798 | 0.51     | 26,548 | 0.04  | 0.5  | 265   | 0                      | 0                        | N         | 2002 2010 2017           | 2020             |
| Pantropical Spotted dolphin | O'ahu                        | unk    | unk      | unk    | 0.04  | 0.5  | undet | unk                    | unk                      | N         |                          | n/a 2017         |
| Pantropical Spotted dolphin | 4 Islands Region             | unk    | unk      | unk    | 0.04  | 0.5  | undet | unk                    | unk                      | N         |                          | n/a 2017         |
| Pantropical Spotted dolphin | Hawaii Island                | unk    | unk      | unk    | 0.04  | 0.5  | undet | ≥ 0.2                  | ≥ 0.2                    | N         |                          | n/a 2017         |
| Spinner dolphin             | Hawaii Pelagic               | unk    | unk      | unk    | 0.04  | 0.5  | undet | 0                      | 0                        | N         | 2002 2010                | 2018             |
| Spinner dolphin             | Kure / Midway                | unk    | unk      | unk    | 0.04  | 0.5  | undet | unk                    | unk                      | N         | 1998 2010                | 2018             |
| Spinner dolphin             | Pearl and Hermes Reef        | unk    | unk      | unk    | 0.04  | 0.5  | undet | unk                    | unk                      | N         |                          | n/a 2018         |
| Spinner dolphin             | American Samoa               | unk    | unk      | unk    | 0.04  | 0.5  | undet | unk                    | unk                      | unk       |                          | n/a 2010         |

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| Species                   | Stock                         | N est  | CV N est | N min  | R max | Fr  | PBR   | Total Annual Mortality | Annual Fishery Mortality | Strategic | Recent Abundance Surveys | SAR          |      |      |
|---------------------------|-------------------------------|--------|----------|--------|-------|-----|-------|------------------------|--------------------------|-----------|--------------------------|--------------|------|------|
|                           |                               |        |          |        |       |     |       | + Serious Injury       | + Serious Injury         |           |                          | Last Revised |      |      |
| Striped dolphin           | Hawaii Pelagic                | 35,179 | 0.23     | 29,058 | 0.04  | 0.5 | 291   | 0                      | 0                        | N         | 2002                     | 2010         | 2017 | 2020 |
| Fraser's dolphin          | Hawaii                        | 40,960 | 0.70     | 24,068 | 0.04  | 0.5 | 241   | 0                      | 0                        | N         | 2002                     | 2010         | 2017 | 2020 |
| Melon-headed whale        | Hawaiian Islands              | 40,647 | 0.74     | 23,301 | 0.04  | 0.5 | 233   | 0                      | 0                        | N         | 2002                     | 2010         | 2017 | 2020 |
| Melon-headed whale        | Kohala Resident               | unk    | unk      | unk    | 0.04  | 0.5 | undet | 0                      | 0                        | N         | 2002                     | 2010         | 2017 | 2020 |
| Pygmy killer whale        | Hawaii                        | 10,328 | 0.75     | 5,885  | 0.04  | 0.5 | 59    | 0                      | 0                        | N         | 2002                     | 2010         | 2017 | 2020 |
| False killer whale        | NW Hawaiian Islands           | 477    | 1.71     | 178    | 0.04  | 0.4 | 1.4   | 0.01                   | 0.01                     | N         | 2002                     | 2010         | 2017 | 2020 |
| False killer whale        | Hawaii Pelagic                | 2,086  | 0.35     | 1,567  | 0.04  | 0.5 | 16    | 6.5                    | 6.5                      | N         | 2002                     | 2010         | 2017 | 2020 |
| False killer whale        | Palmyra Atoll                 | 1,329  | 0.65     | 806    | 0.04  | 0.4 | 6.4   | 0.3                    | 0.3                      | N         |                          |              | 2005 | 2012 |
| False killer whale        | Main Hawaiian Islands Insular | 167    | 0.14     | 149    | 0.04  | 0.1 | 0.30  | 0.0                    | 0.03                     | S         | 2013                     | 2014         | 2015 | 2020 |
| False killer whale        | American Samoa                | unk    | unk      | unk    | 0.04  | 0.5 | undet | unk                    | unk                      | unk       | n/a                      | n/a          | n/a  | 2010 |
| Killer whale              | Hawaii                        | 161    | 1.06     | 78     | 0.04  | 0.5 | 0.8   | 0                      | 0                        | N         | 2002                     | 2010         | 2017 | 2020 |
| Pilot whale, short-finned | Hawaii                        | 12,607 | 0.18     | 10,847 | 0.04  | 0.4 | 87    | 0.9                    | 0.9                      | N         | 2002                     | 2010         | 2017 | 2020 |
| Blainville's beaked whale | Hawaii Pelagic                | 1,132  | 0.99     | 564    | 0.04  | 0.5 | 5.6   | 0                      | 0                        | N         | 2002                     | 2010         | 2017 | 2020 |
| Longman's Beaked Whale    | Hawaii                        | 2,550  | 0.67     | 1,527  | 0.04  | 0.5 | 15    | 0                      | 0                        | N         | 2002                     | 2010         | 2017 | 2020 |
| Cuvier's beaked whale     | Hawaii Pelagic                | 4,431  | 0.41     | 3,180  | 0.04  | 0.5 | 32    | 0                      | 0                        | N         | 2002                     | 2010         | 2017 | 2020 |
| Pygmy sperm whale         | Hawaii                        | 42,083 | 0.64     | 25,695 | 0.04  | 0.5 | 257   | 0                      | 0                        | N         | 2002                     | 2010         | 2017 | 2020 |
| Dwarf sperm whale         | Hawaii                        | unk    | unk      | unk    | 0.04  | 0.5 | undet | 0                      | 0                        | N         | 2002                     | 2010         | 2017 | 2020 |
| Sperm whale               | Hawaii                        | 5,707  | 0.23     | 4,486  | 0.04  | 0.2 | 18    | 0                      | 0                        | S         | 2002                     | 2010         | 2017 | 2020 |
| Blue whale                | Central N Pacific             | 133    | 1.09     | 63     | 0.04  | 0.1 | 0.1   | 0                      | 0                        | S         |                          | 2002         | 2010 | 2017 |
| Fin whale                 | Hawaii                        | 203    | 0.99     | 101    | 0.04  | 0.1 | 0.2   | 0                      | 0                        | S         | 2002                     | 2010         | 2017 | 2020 |
| Bryde's whale             | Hawaii                        | 602    | 0.22     | 501    | 0.04  | 0.5 | 5.0   | 0                      | 0                        | N         | 2002                     | 2010         | 2017 | 2020 |
| Sei whale                 | Hawaii                        | 391    | 0.90     | 204    | 0.04  | 0.1 | 0.4   | 0.2                    | 0.2                      | S         |                          | 2002         | 2010 | 2017 |
| Minke whale               | Hawaii                        | 438    | 1.05     | 212    | 0.04  | 0.5 | 2.1   | 0                      | 0                        | N         | 2002                     | 2010         | 2017 | 2020 |
| Humpback whale            | American Samoa                | unk    | unk      | 150    | 0.106 | 0.1 | 0.4   | 0                      | 0                        | S         | 2006                     | 2007         | 2008 | 2009 |
| Sea Otter                 | Southern (California)         | 3,272  | n/a      | 3,272  | 0.06  | 0.1 | 10    | ≥5.2                   | ≥0.4                     | S         | 2014                     | 2015         | 2016 | 2017 |
| Sea Otter                 | Northern (Washington)         | n/a    | n/a      | 1,806  | 0.2   | 0.1 | 18    | ≥1.0                   | ≥0.4                     | N         | 2014                     | 2015         | 2016 | 2018 |