



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE
West Coast Region
1201 NE Lloyd Blvd, Suite 1100
Portland, OR 97232

May 13, 2019

Kelly Susewind
Director, Washington Department of Fish and Wildlife
600 Capitol Way North
Olympia, Washington 98501

Curtis E. Melcher
Director, Oregon Department of Fish and Wildlife
4034 Fairview Industrial Drive SE
Salem, Oregon 97302

Ed Schriever
Director, Idaho Department of Fish and Game
P.O. Box 25
Boise, Idaho 83707

Dear Directors Susewind, Melcher, and Schriever:

This letter is in response to a letter from Ms. Sheanna Steingass Marine Mammal Program Leader, Oregon Department of Fish and Wildlife, dated May 10, 2019, requesting, with supporting data, that the National Marine Fisheries Service amend Appendix 1 of the April 17, 2019, Authorization¹ to add one California sea lion to the list of “predatory” sea lions that are authorized for lethal removal under section 120 of the Marine Mammal Protection Act.

Ms. Steingass’s letter provided information collected by the U.S. Army Corps of Engineers’ Fisheries Field Unit on one individually identifiable California sea lion observed at Bonneville Dam. We reviewed the information and concur that this animal meets the criteria outlined in Condition 1 of the Authorization. Accordingly, Appendix 1 has been amended to include this additional California sea lion, and your agencies may therefore permanently remove this animal. A copy of Appendix 1 as amended is enclosed. The sea lion identified below returned to the vicinity of the dam following non-lethal deterrence.

¹ The states’ June 28, 2016, MMPA section 120 Authorization for Bonneville Dam was revised on April 17, 2019.




Newly Identified Predatory Sea Lions

| California Sea Lion Identification Number | Number of Days Observed at Bonneville Dam | Year(s) | Minimum Number of Documented Salmonids Consumed |
|---|---|--------------------|---|
| 2-55 | 5 | 2017,2018, 2019 | N/A |

I look forward to our continued cooperation with the states. Please contact Robert Anderson at (503) 231-2226, if you have any questions or comments related to this correspondence.

Sincerely,

For 
Barry Thom
Regional Administrator

Enclosure

cc: Administrative File: 151416WCR2016PR00037

APPENDIX 1 - 2016 MMPA Section 120 Authorization - Amendment 15, May 13, 2019

PREDATORY CALIFORNIA SEA LIONS AUTHORIZED FOR IMMEDIATE REMOVAL

| <u>Serial Number</u> | <u>Appendix Date</u> | <u>Appendix Id.</u> | <u>aka</u> | <u>Brand Date</u> | <u>Removal Date</u> | <u>Disposition</u> |
|----------------------|----------------------|---------------------|------------|-------------------|---------------------|-----------------------------------|
| 1 | 3/17/2008 | C319 | B239 | 9/18/2002 | 4/24/2008 | Transfer to Sea World |
| 2 | 3/17/2008 | C265 | B237 | 4/5/2002 | 3/10/2009 | Killed by injection - health fail |
| 3 | 3/17/2008 | C309 | B238 | 8/29/2002 | | |
| 4 | 3/17/2008 | C643 | B242, B152 | 4/4/2007 | 3/17/2009 | Killed by injection - health fail |
| 5 | 3/17/2008 | C404 | | 3/11/2003 | | |
| 6 | 3/17/2008 | C192 | | 3/12/2001 | | |
| 7 | 3/17/2008 | C699 | B246 | 5/17/2007 | | |
| 8 | 3/17/2008 | C443 | | 4/18/2003 | | |
| 9 | 3/17/2008 | C507 | B145 | 3/31/2004 | 3/18/2009 | Transfer to Shedd Aq. |
| 10 | 3/17/2008 | C322 | | 9/23/2002 | | |
| 11 | 3/17/2008 | C440 | B52, B189 | 4/16/2003 | | |
| 12 | 3/17/2008 | C417 | | 3/27/2003 | 3/9/2010 | Killed by injection - no facility |
| 13 | 3/17/2008 | C247 | | 2/22/2002 | | |
| 14 | 3/17/2008 | C398 | | 2/27/2003 | | |
| 15 | 3/17/2008 | C444 | | 4/25/2003 | | |
| 16 | 3/17/2008 | C257 | | 3/15/2002 | | |
| 17 | 3/17/2008 | C390 | | 2/10/2003 | | |
| 18 | 3/17/2008 | C635 | B240 | 3/5/2007 | 3/11/2009 | Killed by injection - health fail |
| 19 | 3/17/2008 | C287 | | 5/8/2002 | | |
| 20 | 3/17/2008 | C554 | | 9/6/2005 | 4/1/2009 | Killed by injection - health fail |
| 21 | 3/17/2008 | C379 | | 1/31/2003 | | |
| 22 | 3/17/2008 | C640 | B241 | 3/5/2007 | 4/28/2008 | Transfer to Sea World |
| 23 | 3/17/2008 | C668 | B244 | 4/25/2007 | 4/28/2008 | Transfer to Sea World |
| 24 | 3/17/2008 | C360 | | 12/10/2002 | | |
| 25 | 3/17/2008 | C455 | | 5/1/2003 | | |
| 26 | 3/17/2008 | C622 | | 10/12/2006 | | |
| 27 | 3/17/2008 | C578 | | 8/28/2006 | 4/1/2009 | Killed by injection - health fail |
| 28 | 3/17/2008 | C579 | B216,B156 | 8/31/2006 | 4/1/2009 | Killed by injection - health fail |
| 29 | 3/17/2008 | C644 | | 4/4/2007 | | |
| 30 | 3/17/2008 | C586 | | 9/1/2006 | 4/1/2009 | Transfer to Gladys Porter Zoo |
| 31 | 3/17/2008 | C645 | B243 | 4/4/2007 | 5/13/2009 | Killed by injection - health fail |
| 32 | 3/17/2008 | C653 | | 4/18/2007 | 3/3/2010 | Killed by injection - no facility |
| 33 | 3/17/2008 | C669 | B110, B245 | 4/25/2007 | 4/1/2009 | Killed by injection - health fail |
| 34 | 3/17/2008 | C652 | | 4/16/2007 | | |

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|----------------------|----------------------|---------------------|------------|-------------------|---------------------|-----------------------------------|
| 35 | 3/17/2008 | B130 | | | | |
| 36 | 3/17/2008 | B9 | | | | |
| 37 | 3/17/2008 | B108 | | | | |
| 38 | 3/17/2008 | B63 | | | | |
| 39 | 3/17/2008 | B66 | | | 4/28/2008 | Transfer to Sea World |
| 40 | 3/17/2008 | B214 | | | | |
| 41 | 3/17/2008 | B136 | C739 | 9/18/2007 | 4/24/2008 | Transfer to Sea World |
| 42 | 3/17/2008 | B32 | | | | |
| 43 | 3/17/2008 | B46 | | | | |
| 44 | 3/17/2008 | B137 | | | | |
| 45 | 3/17/2008 | B2 | B257 | | | |
| 46 | 3/17/2008 | B47 | B221 | | | |
| 47 | 3/17/2008 | B208 | C805 | 4/28/2008 | 3/30/2010 | Killed by injection - no facility |
| 48 | 3/17/2008 | B194 | | | 3/9/2010 | Killed by injection - no facility |
| 49 | 3/17/2008 | B220 | | | | |
| 50 | 3/17/2008 | B127 | C657, B191 | 4/20/2007 | 4/1/2009 | Transfer to Gladys Porter Zoo |
| 51 | 3/17/2008 | B198 | | | 4/28/2008 | Died in anesthesia |
| 52 | 3/17/2008 | B88 | | | | |
| 53 | 3/17/2008 | B81 | | | | |
| 54 | 3/17/2008 | B204 | B263 | | | |
| 55 | 3/17/2008 | B40 | | | | |
| 56 | 3/17/2008 | B132 | B90 | | | |
| 57 | 3/17/2008 | B97 | | | | |
| 58 | 3/17/2008 | 3341 | | 1995 | | |
| 59 | 3/17/2008 | 4140 | | 1996 | | |
| 60 | 4/25/2008 | C606 | | 9/11/2006 | 4/24/2008 | Transfer to Sea World |
| 61 | 4/25/2008 | C700 | B247 | 5/17/2007 | 3/18/2009 | Transfer to Shedd Aq. |
| 62 | 4/25/2008 | C347 | | 11/14/2002 | 5/4/2008 | Died on the trap |
| 63 | 4/25/2008 | C441 | | 4/18/2003 | | |
| 64 | 12/4/2008 | C147 | | 4/1/2000 | | |
| 65 | 12/4/2008 | C674 | | 4/30/2007 | 5/14/2009 | Killed by injection - health fail |
| 66 | 12/4/2008 | C706 | | 5/21/2007 | | |
| 67 | 12/4/2008 | C796 | | 4/26/2008 | | |
| 68 | 12/4/2008 | C797 | | 4/26/2008 | 9/9/2010 | Killed by injection - no facility |

APPENDIX 1 - 2016 MMPA Section 120 Authorization - Amendment 15, May 13, 2019

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|----------------------|----------------------|---------------------|--------------|-------------------|---------------------|-----------------------------------|
| 69 | 12/4/2008 | B22 | B205 | | 5/18/2011 | Killed by injection - no facility |
| 70 | 12/4/2008 | B100 | | | | |
| 71 | 12/4/2008 | B265 | U19 | 9/11/2009 | | |
| 72 | 12/4/2008 | B267 | | | 3/9/2010 | Killed by injection - no facility |
| 73 | 12/4/2008 | B31 | | | | |
| 74 | 4/13/2009 | B254 | | | | |
| 75 | 4/13/2009 | B258 | | | 3/9/2010 | Killed by injection - no facility |
| 76 | 4/13/2009 | C926 | B278,B169 | 4/1/2009 | 3/9/2010 | Killed by injection - no facility |
| 77 | 4/13/2009 | B295 | | | | |
| 78 | 4/13/2009 | C858 | | 8/28/2008 | 5/11/2009 | Killed by injection - health fail |
| 79 | 4/13/2009 | C795 | B281 | 4/26/2008 | | |
| 80 | 5/19/2009 | C927 | B283 | 4/8/2009 | | |
| 81 | 5/19/2009 | C928 | B288 | 4/16/2009 | 8/24/2009 | Killed by injection - no facility |
| 82 | 5/19/2009 | B296 | | | | |
| 83 | 5/19/2009 | B285 | B56,B272,U31 | 3/1/2010 | | |
| 84 | 5/19/2009 | B298 | | | | |
| 85 | 5/19/2009 | B297 | | | | |
| 86 | 12/8/2009 | C934 | B300 | 5/14/2009 | 3/30/2010 | Killed by injection - no facility |
| 87 | 12/8/2009 | B299 | | | | |
| 88 | 3/16/2010 | C697 | | 5/14/2007 | 4/6/2010 | Killed by injection - no facility |
| 89 | 3/16/2010 | C00 | B305 | 3/9/2010 | 5/4/2010 | Killed by injection - no facility |
| 90 | 5/3/2010 | C779 | | 4/9/2008 | 4/12/2012 | Killed by injection - no facility |
| 91 | 5/3/2010 | C881 | | 9/25/2008 | | |
| 92 | 5/3/2010 | C930 | | 5/12/2009 | 4/22/2014 | Killed by injection - no facility |
| 93 | 5/3/2010 | C961 | | 8/7/2009 | 4/25/2012 | Killed by injection - no facility |
| 94 | 5/3/2010 | C971 | | 8/10/2009 | | |
| 95 | 5/3/2010 | U18 | | 9/11/2009 | 9/8/2010 | Killed by injection - no facility |
| 96 | 5/3/2010 | B301 | | | | |
| 97 | 5/3/2010 | B307 | | | | |
| 98 | 5/3/2010 | B308 | | | | |
| 99 | 5/18/2010 | C667 | | 4/24/2007 | 5/26/2010 | Killed by injection - no facility |
| 100 | 5/18/2010 | C841 | | 8/17/2008 | 5/26/2010 | Killed by injection - no facility |
| 101 | 5/18/2010 | B317 | | | | |
| 102 | 5/18/2010 | B318 | | | | |

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|----------------------|----------------------|---------------------|------------|-------------------|---------------------|-----------------------------------|
| 103 | 5/18/2010 | B325 | | | | |
| 104 | 5/18/2010 | 5490 | | 1999 | | |
| 105 | 9/7/2010 | C847 | | 8/22/2008 | | |
| 106 | 9/7/2010 | C931 | | 5/12/2009 | | |
| 107 | 9/7/2010 | C963 | | 8/7/2009 | | |
| 108 | 9/7/2010 | C01 | B322 | 4/29/2010 | 4/3/2012 | Killed by injection - no facility |
| 109 | 9/7/2010 | C04 | B331 | 5/25/2010 | 4/25/2012 | Killed by injection - no facility |
| 110 | 9/7/2010 | C05 | B334 | 5/26/2010 | 4/30/2012 | Killed by injection - no facility |
| 111 | 9/7/2010 | B302 | | | | |
| 112 | 9/7/2010 | B332 | | | | |
| 113 | 9/7/2010 | B333 | | | | |
| 114 | 9/7/2010 | B335 | | | | |
| 115 | 9/7/2010 | B338 | | | | |
| 116 | 3/15/2012 | C02 | | 5/4/2010 | | |
| 117 | 3/15/2012 | C06 | | 5/26/2010 | | |
| 118 | 3/15/2012 | C07 | | 5/26/2010 | | |
| 119 | 3/15/2012 | C08 | B340 | 5/26/2010 | 4/30/2013 | Transfer to Queens Zoo |
| 120 | 3/15/2012 | C010 | B355 | 3/31/2011 | | |
| 121 | 3/15/2012 | C011 | B357 | 4/14/2011 | 4/25/2012 | Transfer to Shedd Aq. |
| 122 | 3/15/2012 | C013 | B356 | 4/19/2011 | 4/30/2012 | Killed by injection - no facility |
| 123 | 3/15/2012 | C014 | | 4/20/2011 | 10/25/2018 | Killed MMPA § 109(h) operations |
| 124 | 3/15/2012 | C015 | B303 | 4/21/2011 | 4/3/2012 | Killed by injection - no facility |
| 125 | 3/15/2012 | C016 | | 4/21/2011 | 4/9/2012 | Killed by injection - no facility |
| 126 | 3/15/2012 | U26 | B256 | 9/18/2009 | | |
| 127 | 3/15/2012 | U61 | B315 | 5/14/2010 | 5/16/2012 | Killed by injection - no facility |
| 128 | 3/15/2012 | U95 | | 6/1/2010 | | |
| 129 | 3/15/2012 | B353 | | | | |
| 130 | 3/15/2012 | B343 | | | | |
| 131 | 4/25/2012 | C018 | B358 | 5/20/2011 | 4/30/2013 | Killed by injection - health fail |
| 132 | 4/25/2012 | C019 | B367 | 4/9/2012 | 4/25/2012 | Killed by injection - no facility |
| 133 | 4/25/2012 | U159 | B327 | 5/18/2011 | 5/16/2012 | Killed by injection - no facility |
| 134 | 5/3/2012 | C022 | B368 | 4/24/2012 | 4/16/2013 | Killed by injection - health fail |
| 135 | 5/3/2012 | C023 | B354 | 4/24/2012 | 4/30/2013 | Transfer to Queens Zoo |
| 136 | 5/25/2012 | C03 | B324 | 5/18/2010 | 4/7/2016 | Killed by injection - health fail |

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|----------------------|----------------------|---------------------|------------|-------------------|---------------------|-----------------------------------|
| 137 | 5/25/2012 | C020 | B359 | 4/12/2012 | 4/22/2014 | Killed by injection - no facility |
| 138 | 5/25/2012 | C021 | | 4/24/2012 | 8/30/2012 | Killed by injection - no facility |
| 139 | 5/25/2012 | C024 | B369 | 5/16/2012 | | |
| 140 | 5/16/2013 | C012 | B330 | 4/19/2011 | | |
| 141 | 5/16/2013 | C026 | | 4/23/2013 | 4/8/2015 | Killed by injection - no facility |
| 142 | 5/16/2013 | C027 | | 4/30/2013 | 4/15/2014 | Killed by injection - no facility |
| 143 | 5/16/2013 | C028 | B379 | 4/30/2013 | 4/15/2014 | Killed by injection - no facility |
| 144 | 5/16/2013 | C029 | | 4/30/2013 | 4/22/2014 | Killed by injection - no facility |
| 145 | 5/16/2013 | C032 | B381 | 4/30/2013 | | |
| 146 | 5/16/2013 | C035 | B371 | 5/7/2013 | 4/15/2014 | Killed by injection - no facility |
| 147 | 5/16/2013 | U103 | | 8/9/2010 | | |
| 148 | 5/16/2013 | U143 | | 9/27/2010 | | |
| 149 | 5/16/2013 | U169 | | 6/1/2011 | | |
| 150 | 5/16/2013 | U254 | | 8/21/2012 | 4/15/2014 | Killed by injection - no facility |
| 151 | 5/16/2013 | U262 | | 8/23/2012 | 4/15/2014 | Killed by injection - no facility |
| 152 | 5/16/2013 | B370 | | | | |
| 153 | 5/16/2013 | B384 | C045 | 4/22/2014 | 5/19/2015 | Killed by injection - no facility |
| 154 | 5/16/2013 | B385 | | | | |
| 155 | 5/16/2013 | B386 | | | | |
| 156 | 4/8/2014 | C034 | | 5/7/2013 | | |
| 157 | 4/8/2014 | U84 | | 5/17/2010 | 4/15/2014 | Killed by injection - no facility |
| 158 | 4/28/2014 | C030 | | 4/30/2013 | | |
| 159 | 4/28/2014 | C031 | B382 | 4/30/2013 | 5/1/2014 | Killed by injection - no facility |
| 160 | 4/28/2014 | C033 | B390 | 5/7/2013 | 4/29/2014 | Killed by injection - no facility |
| 161 | 4/28/2014 | C036 | B407 | 4/9/2014 | 4/7/2015 | Killed by injection - no facility |
| 162 | 4/28/2014 | C038 | B391 | 4/16/2014 | | |
| 163 | 4/28/2014 | C041 | | 4/16/2014 | 4/7/2015 | Killed by injection - no facility |
| 164 | 4/28/2014 | U68 | | 5/14/2010 | | |
| 165 | 4/28/2014 | U264 | | 8/23/2012 | 5/1/2014 | Killed by injection - no facility |
| 166 | 4/28/2014 | U267 | | 8/30/2012 | 4/29/2014 | Killed by injection - no facility |
| 167 | 4/28/2014 | U312 | | 3/7/2013 | 4/29/2014 | Killed by injection - no facility |
| 168 | 4/28/2014 | B409 | | | 5/1/2014 | Killed by injection - no facility |
| 169 | 5/12/2014 | C039 | | 4/16/2014 | 4/8/2015 | Killed by injection - no facility |
| 170 | 5/12/2014 | C046 | B414 | 4/23/2014 | 4/7/2015 | Killed by injection - no facility |

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|----------------------|----------------------|---------------------|-------------|-------------------|---------------------|--|
| 171 | 5/12/2014 | C047 | | 4/24/2014 | 4/8/2015 | Killed by injection - no facility |
| 172 | 5/12/2014 | C048 | B410 | 4/24/2014 | | |
| 173 | 5/12/2014 | C050 | | 4/24/2014 | 4/28/2015 | Killed by injection - no facility |
| 174 | 5/12/2014 | C055 | B412 | 5/1/2014 | 4/21/2015 | Killed by injection - no facility |
| 175 | 5/12/2014 | C056 | B413 | 5/6/2014 | 4/14/2015 | Killed by injection - no facility |
| 176 | 5/12/2014 | B393 | | | | |
| 177 | 5/12/2014 | B411 | | | | |
| 178 | 11/13/2014 | C053 | B396 | 4/29/2014 | 4/13/2016 | Killed by injection - no facility |
| 179 | 11/13/2014 | | B429 | | | |
| 180 | 11/13/2014 | | B423 | | | |
| 181 | 11/13/2014 | | B416 (C079) | | | |
| 182 | 4/20/2015 | C037 | B408 | 4/15/2014 | 4/28/2015 | Killed by injection - no facility |
| 183 | 4/20/2015 | C040 | | 4/15/2014 | 4/21/2015 | Killed by injection - no facility |
| 184 | 4/20/2015 | C052 | | 4/29/2014 | 4/21/2015 | Killed by injection - no facility |
| 185 | 4/20/2015 | C061 | | 4/7/2015 | 4/22/2015 | Killed by injection - no facility |
| 186 | 4/20/2015 | C065 | | 4/8/2015 | | |
| 187 | 4/20/2015 | C066 | | 4/8/2015 | 4/21/2015 | Killed by injection - no facility |
| 188 | 4/20/2015 | C067 | | 4/8/2015 | 5/20/2015 | Killed by injection - no facility |
| 189 | 5/11/2015 | C042 | | 4/22/2014 | | |
| 190 | 5/11/2015 | C057 | | 4/7/2015 | 3/13/2019 | Killed by injection - no facility (Willamette Falls) |
| 191 | 5/11/2015 | C058 | | 4/7/2015 | 5/14/2015 | Killed by injection - no facility |
| 192 | 5/11/2015 | C063 | | 4/7/2015 | 5/13/2015 | Transfer to Queens Zoo |
| 193 | 5/11/2015 | C068 | | 4/8/2015 | 5/13/2015 | Killed by injection - no facility |
| 194 | 5/11/2015 | C069 | | 4/8/2015 | | |
| 195 | 5/11/2015 | C071 | | 4/14/2015 | | |
| 196 | 5/11/2015 | C073 | | 4/14/2015 | 4/19/2016 | Killed by injection - no facility |
| 197 | 5/11/2015 | C074 | | 4/14/2015 | 4/7/2016 | Killed by injection - no facility |
| 198 | 5/11/2015 | C075 | | 4/14/2015 | 4/11/2018 | Killed by injection - no facility |
| 199 | 5/11/2015 | C076 | | 4/15/2015 | | |
| 200 | 5/11/2015 | C078 | | 4/15/2015 | 4/26/2016 | Killed by injection - no facility |
| 201 | 5/11/2015 | C079 | B416 | 4/15/2015 | 5/20/2015 | Killed by injection - no facility |
| 202 | 5/11/2015 | C080 | | 4/15/2015 | 4/19/2016 | Killed by injection - no facility |
| 203 | 5/11/2015 | C081 | | 4/15/2015 | | |
| 204 | 5/11/2015 | C082 | | 4/15/2015 | 5/13/2015 | Killed by injection - no facility |

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|----------------------|----------------------|---------------------|------------|-------------------|---------------------|-----------------------------------|
| 205 | 5/11/2015 | C084 | | 4/15/2015 | 4/19/2016 | Killed by injection - no facility |
| 206 | 5/11/2015 | C085 | | 4/15/2015 | 5/14/2015 | Killed by injection - no facility |
| 207 | 5/11/2015 | C087 | | 4/21/2015 | | |
| 208 | 5/11/2015 | C089 | | 4/21/2015 | 5/3/2016 | Killed by injection - no facility |
| 209 | 5/11/2015 | C090 | | 4/21/2015 | 5/20/2015 | Killed by injection - no facility |
| 210 | 5/11/2015 | C091 | | 4/21/2015 | 5/13/2015 | Killed by injection - no facility |
| 211 | 5/11/2015 | C092 | | 4/21/2015 | 5/19/2015 | Killed by injection - no facility |
| 212 | 5/11/2015 | C093 | | 4/21/2015 | 5/17/2016 | Killed by injection - no facility |
| 213 | 5/11/2015 | C094 | | 4/21/2015 | | |
| 214 | 5/11/2015 | U248 | | 8/21/2012 | 4/7/2016 | Killed by injection - no facility |
| 215 | 5/11/2015 | U457 | | 3/10/2014 | 4/7/2016 | Killed by injection - no facility |
| 216 | 5/11/2015 | U621 | | 8/25/2014 | 4/12/2016 | Killed by injection - no facility |
| 217 | 5/11/2015 | U646 | | 8/27/2014 | | |
| 218 | 5/11/2015 | U673 | | 9/3/2014 | 5/4/2016 | Killed by injection - no facility |
| 219 | 5/11/2015 | 1-01 | | 4/22/2015 | 5/19/2015 | Killed by injection - no facility |
| 220 | 5/11/2015 | 1-08 | | 4/22/2015 | 5/9/2017 | Killed by injection - no facility |
| 221 | 5/11/2015 | 1-10 | | 4/22/2015 | 5/13/2015 | Killed by injection - no facility |
| 222 | 5/11/2015 | 1-11 | | 4/22/2015 | 5/14/2015 | Killed by injection - no facility |
| 223 | 5/11/2015 | 1-12 | | 4/22/2015 | | |
| 224 | 5/11/2015 | 1-15 | | 4/28/2015 | 5/13/2015 | Killed by injection - no facility |
| 225 | 5/11/2015 | 1-16 | | 4/28/2015 | 5/19/2015 | Killed by injection - no facility |
| 226 | 5/11/2015 | 1-17 | | 4/28/2015 | 4/6/2016 | Killed by injection - no facility |
| 227 | 5/11/2015 | 1-21 | | 4/28/2015 | 5/19/2015 | Killed by injection - no facility |
| 228 | 5/11/2015 | 1-25 | | 4/28/2015 | 4/6/2016 | Killed by injection - no facility |
| 229 | 5/11/2015 | 1-29 | | 4/28/2015 | 5/13/2015 | Transfer to Queens Zoo |
| 230 | 5/26/2015 | C062 | | 4/7/2015 | 4/19/2016 | Killed by injection - no facility |
| 231 | 5/26/2015 | C088 | | 4/21/2015 | 5/4/2016 | Killed by injection - no facility |
| 232 | 5/26/2015 | C095 | | 4/21/2015 | 4/27/2016 | Killed by injection - no facility |
| 233 | 5/26/2015 | C097 | | 4/22/2015 | 5/5/2016 | Killed by injection - no facility |
| 234 | 5/26/2015 | C098 | | 4/22/2015 | | |
| 235 | 5/26/2015 | 1-02 | | 4/22/2015 | 5/18/2016 | Killed by injection - no facility |
| 236 | 5/26/2015 | 1-03 | | 4/22/2015 | | |
| 237 | 5/26/2015 | 1-04 | | 4/22/2015 | 4/25/2017 | Killed by injection - no facility |
| 238 | 5/26/2015 | 1-06 | | 4/22/2015 | | |

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|----------------------|----------------------|---------------------|------------|-------------------|---------------------|-----------------------------------|
| 239 | 5/26/2015 | 1-13 | | 4/28/2015 | 4/12/2016 | Killed by injection - no facility |
| 240 | 5/26/2015 | 1-18 | | 4/28/2015 | 4/7/2016 | Killed by injection - no facility |
| 241 | 5/26/2015 | 1-19 | | 4/28/2015 | 4/12/2016 | Killed by injection - no facility |
| 242 | 5/26/2015 | 1-20 | | 4/28/2015 | | |
| 243 | 5/26/2015 | 1-24 | | 4/28/2015 | | |
| 244 | 5/26/2015 | 1-32 | | 4/29/2015 | 4/19/2016 | Killed by injection - no facility |
| 245 | 5/26/2015 | 1-39 | | 5/14/2015 | 4/17/2018 | Killed by injection - no facility |
| 246 | 5/26/2015 | 1-40 | | 5/14/2015 | 4/7/2016 | Killed by injection - no facility |
| 247 | 5/26/2015 | 1-52 | | 5/14/2015 | 4/26/2016 | Killed by injection - no facility |
| 248 | 5/26/2015 | U548 | | 4/2/2014 | | |
| 249 | 5/26/2015 | U596 | | 8/15/2014 | 4/19/2016 | Killed by injection - no facility |
| 250 | 3/29/2016 | 1-43 | | 5/14/2015 | 5/10/2017 | Killed by injection - no facility |
| 251 | 3/29/2016 | 1-44 | | 5/14/2015 | 4/20/2016 | Killed by injection - no facility |
| 252 | 3/29/2016 | 1-45 | | 5/14/2015 | 4/20/2016 | Killed by injection - no facility |
| 253 | 3/29/2016 | 1-55 | | 5/14/2015 | 4/12/2016 | Killed by injection - no facility |
| 254 | 3/29/2016 | 1-79 | | 5/19/2015 | 4/6/2016 | Killed by injection - no facility |
| 255 | 3/29/2016 | 8193 | | 2005 | 4/6/2016 | Killed by injection - no facility |
| 256 | 4/8/2016 | U-638 | | 8/26/2014 | 4/20/2016 | Killed by injection - no facility |
| 257 | 4/8/2016 | U-733 | | 2/24/2015 | 4/13/2016 | Killed by injection - no facility |
| 258 | 4/8/2016 | 1-54 | | 5/14/2015 | 4/20/2016 | Killed by injection - no facility |
| 259 | 4/8/2016 | 1-85 | | 5/20/2015 | 4/19/2016 | Killed by injection - no facility |
| 260 | 4/15/2016 | 1-09 | | 4/22/2015 | 4/20/2016 | Killed by injection - no facility |
| 261 | 4/15/2016 | 1-23 | | 4/28/2015 | | |
| 262 | 4/15/2016 | 1-46 | | 5/14/2015 | 4/27/2016 | Killed by injection - no facility |
| 263 | 4/15/2016 | 1-48 | | 5/14/2015 | 4/26/2016 | Killed by injection - no facility |
| 264 | 4/15/2016 | 1-58 | | 5/19/2015 | 4/20/2016 | Killed by injection - no facility |
| 265 | 4/15/2016 | 1-77 | | 5/19/2015 | 4/26/2016 | Killed by injection - no facility |
| 266 | 4/15/2016 | U425 | | 8/28/2013 | | |
| 267 | 4/15/2016 | U605 | | 8/19/2014 | 2/14/2018 | Killed by injection - no facility |
| 268 | 4/22/2016 | 1-37 | | 5/14/2015 | 4/23/2019 | Killed by injection - no facility |
| 269 | 4/22/2016 | 1-41 | | 5/14/2015 | 4/27/2016 | Killed by injection - no facility |
| 270 | 4/22/2016 | 1-56 | | 5/19/2015 | 4/27/2016 | Killed by injection - no facility |
| 271 | 4/22/2016 | 1-71 | | 5/19/2015 | 4/27/2016 | Killed by injection - no facility |
| 272 | 4/22/2016 | 1-72 | | 5/19/2015 | 4/19/2017 | Killed by injection - no facility |

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|----------------------|----------------------|---------------------|------------|-------------------|---------------------|-----------------------------------|
| 273 | 4/22/2016 | 1-81 | | 5/19/2015 | 5/5/2016 | Killed by injection - no facility |
| 274 | 4/29/2016 | C077 | | 4/15/2015 | 5/4/2016 | Killed by injection - no facility |
| 275 | 4/29/2016 | 1-49 | | 5/14/2015 | 5/5/2016 | Killed by injection - no facility |
| 276 | 4/29/2016 | 1-61 | | 5/19/2015 | 5/11/2016 | Killed by injection - no facility |
| 277 | 4/29/2016 | 1-65 | | 5/19/2015 | 5/4/2016 | Killed by injection - no facility |
| 278 | 4/29/2016 | 1-66 | | 5/19/2015 | 5/3/2016 | Killed by injection - no facility |
| 279 | 4/29/2016 | 1-73 | | 5/19/2015 | | |
| 280 | 4/29/2016 | 1-83 | | 5/20/2015 | 5/12/2016 | Killed by injection - no facility |
| 281 | 5/11/2016 | C051 | | 4/29/2014 | 5/11/2016 | Killed by injection - no facility |
| 282 | 5/11/2016 | 1-38 | | 5/14/2015 | 5/18/2016 | Killed by injection - no facility |
| 283 | 5/11/2016 | 1-50 | | 5/14/2015 | 5/11/2016 | Killed by injection - no facility |
| 284 | 5/11/2016 | 1-53 | | 5/14/2015 | 5/11/2016 | Killed by injection - no facility |
| 285 | 5/11/2016 | 1-57 | | 5/19/2015 | 5/8/2018 | Killed by injection - no facility |
| 286 | 5/11/2016 | 1-62 | | 5/19/2015 | | |
| 287 | 5/11/2016 | 1-60 | | 5/19/2015 | 5/12/2016 | Killed by injection - no facility |
| 288 | 5/11/2016 | 1-87 | | 5/20/2015 | 4/24/2018 | Killed by injection - no facility |
| 289 | 5/11/2016 | U334 | | 3/24/2013 | 4/25/2017 | Killed by injection - no facility |
| 290 | 5/11/2016 | U744 | | 2/25/2015 | 5/12/2016 | Killed by injection - no facility |
| 291 | 5/16/2016 | 1-31 | | 4/29/2015 | 5/8/2018 | Killed by injection - no facility |
| 292 | 5/16/2016 | 1-80 | | 5/19/2015 | 4/25/2017 | Killed by injection - no facility |
| 293 | 5/16/2016 | 1-93 | | 5/3/2016 | 5/9/2017 | Killed by injection - no facility |
| 294 | 5/16/2016 | 1-97 | | 5/3/2016 | | |
| 295 | 5/16/2016 | 2-04 | | 5/4/2016 | 5/17/2016 | Killed by injection - no facility |
| 296 | 5/16/2016 | 2-05 | | 5/4/2016 | 5/4/2017 | Killed by injection - no facility |
| 297 | 5/16/2016 | U625 | | 8/25/2014 | 5/11/2017 | Killed by injection - no facility |
| 298 | 5/16/2016 | V60 | | 9/23/2010 | 5/17/2016 | Killed by injection - no facility |
| 299 | 5/23/2016 | 1-28 | | 4/28/2015 | 5/2/2017 | Killed by injection - no facility |
| 300 | 5/23/2016 | 1-75 | | 5/19/2015 | | |
| 301 | 5/23/2016 | 1-88 | | 5/3/2016 | 5/2/2017 | Killed by injection - no facility |
| 302 | 5/23/2016 | 1-95 | | 5/3/2016 | 5/1/2018 | Killed by injection - no facility |
| 303 | 5/23/2016 | 2-00 | | 5/3/2016 | 5/1/2019 | Killed by injection - no facility |
| 304 | 5/23/2016 | 2-08 | | 5/10/2016 | 5/2/2017 | Killed by injection - no facility |
| 305 | 5/23/2016 | 2-11 | | 5/10/2016 | 4/19/2018 | Killed by injection - no facility |
| 306 | 5/23/2016 | 2-13 | | 5/10/2016 | 4/25/2017 | Killed by injection - no facility |

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|----------------------|----------------------|---------------------|------------|-------------------|---------------------|--|
| 307 | 5/23/2016 | 2-14 | | 5/10/2016 | | |
| 308 | 5/23/2016 | 2-19 | | 5/11/2016 | | |
| 309 | 5/23/2016 | 2-21 | | 5/12/2016 | 5/9/2017 | Killed by injection - no facility |
| 310 | 5/23/2016 | 2-22 | | 5/12/2016 | | |
| 311 | 5/23/2016 | 2-23 | | 5/12/2016 | | |
| 312 | 3/24/2017 | 2-01 | | 5/3/2016 | 4/25/2017 | Killed by injection - no facility |
| 313 | 4/24/2017 | 1-33 | | 4/29/2015 | 4/25/2017 | Killed by injection - no facility |
| 314 | 4/24/2017 | 1-42 | | 5/14/2015 | | |
| 315 | 4/24/2017 | U497 | | 3/31/2014 | 4/27/2017 | Killed by injection - no facility |
| 316 | 5/2/2017 | 1-98 | | 5/3/2016 | 5/10/2017 | Killed by injection - no facility |
| 317 | 5/2/2017 | 2-09 | | 5/10/2016 | 5/3/2017 | Killed by injection - no facility |
| 318 | 5/2/2017 | 2-39 | | 4/20/2017 | 5/9/2017 | Killed by injection - no facility |
| 319 | 5/2/2017 | X568 | | 8/15/2016 | 5/2/2017 | Killed by injection - no facility |
| 320 | 5/8/2017 | 1-96 | | 5/3/2016 | 4/24/2018 | Killed by injection - no facility |
| 321 | 5/15/2017 | C086 | | 4/21/2015 | 4/24/2018 | Killed by injection - no facility |
| 322 | 5/8/2017 | 2-06 | | 5/5/2016 | 5/11/2017 | Killed by injection - no facility |
| 323 | 5/8/2017 | 2-12 | | 5/10/2016 | 4/18/2018 | Killed by injection - no facility |
| 324 | 5/15/2017 | 1-86 | | 5/20/2015 | 5/17/2017 | Killed by injection - no facility |
| 325 | 5/15/2017 | 2-38 | | 4/19/2017 | 4/24/2018 | Killed by injection - no facility |
| 326 | 5/15/2017 | 2-41 | | 4/26/2017 | 4/11/2018 | Killed by injection - no facility |
| 327 | 5/15/2017 | 2-42 | | 4/27/2017 | 5/16/2017 | Killed by injection - no facility |
| 328 | 5/15/2017 | 2-45 | | 5/3/2017 | 4/10/2018 | Killed by injection - no facility |
| 329 | 5/22/2017 | 2-20 | | 5/12/2016 | 4/25/2018 | Killed by injection - no facility |
| 330 | 5/22/2017 | 2-24 | | 5/17/2016 | 5/3/2018 | Killed by injection - no facility |
| 331 | 5/22/2017 | 2-29 | | 5/17/2016 | 4/11/2018 | Killed by injection - no facility |
| 332 | 5/22/2017 | 2-31 | | 5/18/2016 | | |
| 333 | 5/22/2017 | 2-34 | | 5/18/2016 | | |
| 334 | 5/22/2017 | 2-43 | | 5/2/2017 | 5/1/2018 | Killed by injection - no facility |
| 335 | 5/22/2017 | 2-51 | | 5/11/2017 | 5/8/2019 | Killed by injection - no facility (Willamette Falls) |
| 336 | 5/22/2017 | 2-52 | | 5/11/2017 | 5/3/2018 | Killed by injection - no facility |
| 337 | 3/23/2018 | 1-91 | | 5/3/2016 | 4/24/2018 | Killed by injection - no facility |
| 338 | 3/23/2018 | 2-17 | | 5/11/2016 | 4/17/2018 | Killed by injection - no facility |
| 339 | 3/23/2018 | 2-35 | | 5/19/2016 | 4/19/2018 | Killed by injection - no facility |
| 340 | 3/23/2018 | 2-40 | | 4/25/2017 | | |

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|----------------------|----------------------|---------------------|------------|-------------------|---------------------|-----------------------------------|
| 341 | 3/23/2018 | 2-49 | | 5/10/2017 | 4/11/2018 | Killed by injection - no facility |
| 342 | 3/23/2018 | U146 | | 9/29/2010 | 4/18/2018 | Killed by injection - no facility |
| 343 | 3/23/2018 | U655 | | 8/27/2014 | | |
| 344 | 5/4/2018 | 2-37 | | 5/23/2016 | 5/9/2018 | Killed by injection - no facility |
| 345 | 5/7/2018 | 2-18 | | 5/11/2016 | | |
| 346 | 5/7/2018 | 2-26 | | 5/17/2016 | | |
| 347 | 5/7/2018 | 2-33 | | 5/18/2016 | 5/8/2018 | Killed by injection - no facility |
| 348 | 5/7/2018 | 2-47 | | 5/9/2017 | 5/8/2018 | Killed by injection - no facility |
| 349 | 5/7/2018 | 1-51 | | 5/14/2015 | 5/8/2018 | Killed by injection - no facility |
| 350 | 5/14/2018 | X886 | | 4/18/2017 | 5/15/2018 | Killed by injection - no facility |
| 351 | 5/14/2018 | 1-70 | | 5/19/2015 | 5/2/2019 | Killed by injection - no facility |
| 352 | 4/17/2019 | 1-05 | | 4/22/2015 | | |
| 353 | 4/17/2019 | 1-30 | | 4/29/2015 | | |
| 354 | 4/17/2019 | 1-36 | | 5/14/2015 | | |
| 355 | 4/17/2019 | 1-74 | | 5/19/2015 | | |
| 356 | 4/17/2019 | 2-54 | | 5/18/2017 | | |
| 357 | 4/17/2019 | 2-60 | | 5/15/2018 | | |
| 358 | 4/17/2019 | 2-63 | | 5/22/2018 | | |
| 359 | 4/17/2019 | C-044 | | 4/22/2014 | | |
| 360 | 4/17/2019 | U-873 | | 4/22/2015 | | |
| 361 | 4/17/2019 | 1-07 | | 4/22/2015 | | |
| 362 | 4/17/2019 | 1-59 | | 5/19/2015 | | |
| 363 | 4/17/2019 | 1-76 | | 5/19/2015 | | |
| 364 | 4/17/2019 | 1-82 | | 5/19/2015 | | |
| 365 | 4/17/2019 | 1-84 | | 5/20/2015 | | |
| 366 | 4/17/2019 | 1-92 | | 5/3/2016 | 5/2/2019 | Killed by injection - no facility |
| 367 | 4/17/2019 | 1-99 | | 5/3/2016 | 5/8/2019 | Killed by injection - no facility |
| 368 | 4/17/2019 | 2-02 | | 5/4/2016 | | |
| 369 | 4/17/2019 | 2-07 | | 5/10/2016 | 5/1/2019 | Killed by injection - no facility |
| 370 | 4/17/2019 | 2-15 | | 5/10/2016 | 5/1/2019 | Killed by injection - no facility |
| 371 | 4/17/2019 | 2-25 | | 5/17/2016 | 5/1/2019 | Killed by injection - no facility |
| 372 | 4/17/2019 | 2-27 | | 5/17/2016 | | |
| 373 | 4/17/2019 | 2-28 | | 5/17/2016 | 5/1/2019 | Killed by injection - no facility |
| 374 | 4/17/2019 | 2-30 | | 5/18/2016 | 5/2/2019 | Killed by injection - no facility |

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|----------------------|----------------------|---------------------|------------|-------------------|---------------------|-----------------------------------|
| 375 | 4/17/2019 | 2-36 | | 5/23/2016 | | |
| 376 | 4/17/2019 | 2-46 | | 5/4/2017 | | |
| 377 | 4/17/2019 | 2-48 | | 5/10/2017 | | |
| 378 | 4/17/2019 | C-096 | | 4/22/2015 | | |
| 379 | 4/17/2019 | U-33 | | 3/5/2010 | | |
| 380 | 4/17/2019 | X-125 | | 9/22/2015 | | |
| 381 | 4/29/2019 | X953 | | 5/31/2017 | 4/30/2019 | Killed by injection - no facility |
| 382 | 4/30/2019 | 1-34 | | 4/29/2015 | 5/2/2019 | Killed by injection - no facility |
| 383 | 4/30/2019 | 1-90 | | 5/3/2016 | | |
| 384 | 4/30/2019 | 2-16 | | 5/11/2016 | | |
| 385 | 4/30/2019 | 2-32 | | 5/18/2016 | | |
| 386 | 4/30/2019 | U-995 | | 8/26/2015 | | |
| 387 | 5/6/2019 | 09-2 | | 9/22/2017 | | |
| 388 | 5/6/2019 | 2-62 | | 5/22/2018 | 5/7/2019 | Killed by injection - no facility |
| 389 | 5/13/2019 | 2-55 | | 5/18/2017 | | |

NOTES:

Appendix 1, "Predatory California Sea Lions Authorized For Immediate Removal" was originally compiled by the National Marine Fisheries Service as informed by R. Stansell, Appendix D, Table 3.3 of the Final Report and Recommendations of the Pinniped-Fishery Interaction Task Force: Columbia River (November 5, 2007). The Appendix was transmitted to the states of Oregon, Washington, and Idaho in a Letter of Authorization issued March 17, 2008. The Appendix has been periodically amended to accurately report those individual California sea lions that meet the description contained in the Letter of Authorization and thus are authorized for removal.

Serial Number = A tally of the sea lions authorized for removal (N-1)(see note 2).

Appendix Date = The issuance date of the Appendix 1 list that first included this animal.

Appendix Id. = The unique alpha-numeric brand number or identification code assigned to this animal when first listed.

aka = Other known identification codes or brands applicable to this animal.

Brand Date = The date a unique alpha-numeric brand was applied to this animal.

Removal Date = The date the animal was permanently removed (killed, transferred to captivity, found dead).

Note (1): The original Appendix 1 list issued on March 17, 2008 included two sea lions (C579 and B216). A review of identification data, following the removal of C579 on April 1, 2009 revealed that C579 and B216 were the same animal and therefore

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|----------------------|----------------------|---------------------|------------|-------------------|---------------------|--------------------|

B216 has been moved to the "aka" adjacent to C579 in order to maintain a correct tally of animals authorized for removal. Similarly, additional review of observation records showed that sea lions B47 and B221 from the original list are the same animal. Accordingly, B221 has been moved to the "aka" adjacent to B47 to maintain a correct tally of animals authorized for removal. The Branding Date for sea lion C05 has been corrected to May 26, 2010.

Note (2): On June 14, 2016, the Corps determined, based on a review of identification data, that sea lion B416 and C079 were the same animal, and therefore B416 has been moved to the "aka" column adjacent to C079. However, in order to maintain serial number and Appendix ID correlation among sea lions authorized for removal and Appendix 1 Amendments since 2008, serial number (181) is deleted (strikethrough).

Note (3): On June 10, 2016, ODFW submitted a memorandum to NMFS clarifying a discrepancy regarding the removal of sea lion 1-68 (1-60). Based on a thorough examination of the field observation data from Bonneville Dam and the photographic evidence, ODFW determined that sea lion 1-68, which was added to Appendix 1 on May 11, 2016 (request date was May 5, 2016) was in fact sea lion 1-60. Based on the information provided to NMFS in the States' memorandum, NMFS concluded that all of the information supports the conclusion that the animal that was removed sea lion (1-60) was the animal intended to be removed, and that the animal removed was an eligible animal having met the criteria in the States' Letter of Authorization. Therefore, the Appendix ID for this animal has been changed from 1-68 to 1-60.

Note (4): Appendix 1, Amendment 18, issued on May 26, 2016, had a Branding Date error for sea lion V60, Serial Number 298. The date in Amendment was 6/22/1905. The Branding Date provided by the State in their May 13, 2016, request was 2000 (no month or day was provided). In tracing the error, it was determined that the error was a product of the coding in the spreadsheet, which has a specific default setting for D/M/Y and if not entered as such, self-generates an off-date to match the D/M/Y format. In this case, when the year 2000 was entered into the spreadsheet it generated a date of 6/22/1905. To bypass the default date setting, and enter a year-only date, the (') character must be manually entered prior to entering the year-only date for the cell to accept an alternate date. The Branding Date for sea lion V60 has been corrected to 2000. Subsequent to this correction, ODFW informed NMFS on June 6, 2016, that their May 13, 2016, request contained an error regarding the branding date for sea lion V60. The Branding Date for sea lion V60 was 9/23/2010, not 2000 as previously noted. The Branding date for sea lion V60 has been corrected to 9/23/2010.