



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE
West Coast Region
1201 NE Lloyd Boulevard, Suite 1100
PORTLAND, OREGON 97232-1274

April 17, 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:

I approve your February 6, 2019, request to adopt the Pinniped-Fishery Interaction Task Force (Task Force) recommendation regarding the identification of predatory pinnipeds for removal in the vicinity of Bonneville Dam to protect at-risk salmonids. With adoption of the Task Force recommendation, the National Marine Fisheries Service (NMFS) is issuing a revised authorization to the states of Washington, Oregon, and Idaho (states) pursuant to section 120 of the Marine Mammal Protection Act (MMPA) to lethally remove certain individually identifiable California sea lions in the vicinity of Bonneville Dam. This authorization replaces NMFS' June 28, 2016, authorization.

The Task Force met on March 1 and 2, 2017,¹ to evaluate the effectiveness of states' permitted intentional lethal taking at Bonneville Dam for the years 2012 through 2016. One of the recommendations provided to NMFS by the Task Force was to change the criteria in Term and Condition 1 of the 2016 authorization to expedite adding animals to the list of predatory California sea lions authorized for immediate removal. This change will allow for the expedited removal of qualified California sea lions (i.e., placement in permanent captivity or killing).

Based on the Task Force recommendation, the states requested that the U.S. Army Corps of Engineers' Fisheries Field Unit (FFU) conduct an analysis to examine whether the changes proposed by the Task Force would improve the states' ability to identify animals for removal.

¹ MMPA Section 120 subsection (c)(5) states that "After implementation of an approved application, the Pinniped-Fishery Interaction Task Force shall evaluate the effectiveness of the permitted intentional lethal taking or alternative actions implemented. If implementation was ineffective in eliminating the problem interaction, the Task Force shall recommend additional actions. If the implementation was effective, the Task Force shall so advise the Secretary, and the Secretary shall disband the Task Force."



The FFU analyzed the data presented in 2015 by the states in the Bonneville Field Report for the number of California sea lions that could have qualified for removal if the conditions of *5 days observed **and** one salmonid kill* were changed to *5 days observed **or** one salmonid kill*. Their findings indicated that changing the criteria would have led to a 66 percent increase in the number of California sea lions added to the removal list. Changing criteria from **and** to **or** would therefore significantly improve the effectiveness of the lethal removal program.

Based on the results of the FFU evaluation, NMFS is formally adopting the Task Force recommendation to change **and** to **or** in Term and Condition 1 of the 2016 authorization. Attached to this letter is an updated list of predatory California sea lions authorized for immediate removal that includes newly qualified sea lions based on the adoption of the Task Force recommendation (Appendix).

All other terms and conditions remain substantively unchanged. For the revised Terms and Condition, NMFS consolidated provision “c” in Term and Condition 1 into both criteria “a” and “b” for clarity and readability. As in the 2016 authorization, lethal removal is authorized only if the states are in compliance with the following terms and conditions.

Revised Terms and Conditions

1) Beginning on April 17, 2019, the states may lethally remove wherever found (except for breeding rookeries) individually identifiable predatory California sea lions that are having a significant negative impact on ESA-listed salmonids. NMFS considers such animals to be individually identifiable predatory California sea lions that are having a significant negative impact on ESA-listed salmonids if they display natural or applied features that allow them to be individually distinguished from other California sea lions and:

- a) have been observed eating salmonids at Bonneville Dam, in the "observation area" below the dam, in the fish ladders, or above the dam, between January 1 and May 31 of any year and are sighted at Bonneville Dam after they have been subjected to active nonlethal deterrence; or
- b) have been observed at Bonneville Dam on a total of any 5 days (consecutive days, days within a single season, or days over multiple years) between January 1 and May 31 of any year and are sighted at Bonneville Dam after they have been subjected to active nonlethal deterrence.

2) The states shall provide NMFS with a report no later than March 1, 2017, that explains what additional safeguards the states have considered to the means by which individually identifiable California sea lions are identified².

3) The California sea lions currently identified as meeting the revised description in Term and Condition 1 above are included herein as a list of predatory California sea lions authorized

² On January 6, 2017, Oregon Department of Fish and Wildlife submitted a letter to NMFS that fulfilled the requirements of Term and Condition 2.

for immediate removal (Appendix). In consultation with the states, the NMFS West Coast Regional Administrator may periodically amend the list to accurately report those individuals that meet the description in Term and Condition 1 and thus are authorized for removal. Such amendments shall be in writing.

- 4) The states may not remove more than 1 percent of the potential biological removal level (PBR) annually. The current PBR for this population of California sea lions is 9,200 animals (Carretta et al. 2016). NMFS periodically revises the PBR of California sea lions as new information becomes available. Any revised PBR calculations would be reported in annual marine mammal stock assessment reports and be provided to the states by NMFS.
- 5) The states shall appoint an Institutional Animal Care and Use Committee (IACUC) composed of a veterinarian, marine mammal biologists, and a non-affiliated member who will represent the community, to advise the states on protocols for capture, holding, and euthanasia of individually identifiable predatory California sea lions.
- 6) The states, in consultation with NMFS, will assume the lead role for the capture of predatory sea lions. The states may euthanize individually identifiable predatory sea lions that are captured in a trap immediately. However, should NMFS notify the states that a pre-approved permanent holding facility (research, zoo, or aquarium) is willing to accept the animal(s), the states shall maintain the animal in a temporary holding facility approved by the IACUC for up to 48 hours. If the pre-approved research, zoo, or aquarium facility (or their designee) does not collect an animal within 48 hours of its capture, the states may euthanize it. The method of euthanizing captured predatory sea lions must be approved by the IACUC.
- 7) Free-ranging individually identifiable predatory California sea lions may be shot by a qualified marksman shooting from land, the dam, or other shoreline structures, so long as the identified sea lion is: (1) hauled out on shore or on the concrete apron along the north side of Cascade Island; (2) hauled out on the flow deflectors along the base of the Bonneville Dam spillway; or (3) in the water so long as it is no greater than 50 feet from shore or apron on the north side of Cascade Island or from the dam at powerhouses one and two. The firearms for shooting at distances greater than 25 yards shall include a high-powered rifle (.240 caliber or above). For shooting at distances less than 25 yards a high-powered rifle or, a 12-gauge or above shotgun loaded with slugs or 00 buckshot, may be used. Ammunition shall not contain lead.
- 8) The states shall make all reasonable efforts to retrieve carcasses of animals that have been shot. The states shall monitor nearby downstream areas for stranded animals that have been shot but not retrieved immediately.
- 9) Safety and security during lethal removal activities shall be provided by the states of Oregon and Washington in coordination with the Columbia Basin Law Enforcement Council, and the Corps of Engineers, Portland District. The states shall establish an Incident Command Center (ICC) during lethal removal activities. The ICC shall direct safety and security and provide a

media interface. The ICC shall coordinate security and safety activities with the Corps of Engineers, the U.S. Coast Guard, and other agencies as necessary.

- 10) The states shall notify the Corps of Engineers, Portland District, and the Project Manager at Bonneville Locks and Dam, prior to lethal removal operations. The ICC shall consult with the Corps of Engineers regarding road closures or changes to visitation on Corps of Engineers property/dam facilities.
- 11) The states shall ensure that the transfer or disposal of any carcass, tissue, or parts is in accordance with applicable law. At NMFS' request and to the extent practicable the states shall make the carcasses, or tissues from them, of sea lions killed pursuant to this authorization available for use in scientific research or for educational purposes.
- 12) The states shall report any permanent removals of predatory sea lions (either transferred to permanent captivity or euthanized) to the Regional Administrator, NMFS, West Coast Region, within 3 days following removal.
- 13) The states shall develop and implement a monitoring plan to evaluate: 1) the impacts of predation, 2) the effectiveness of non-lethal deterrence, and 3) the effectiveness of permanent removal of individually identifiable predatory sea lions as a method to reduce adult salmonid mortality. To the extent practicable the states shall use data collected by the Corps of Engineers and/or other agencies to help fulfill the monitoring requirement, avoid duplication of effort, and ensure data consistency across programs.
- 14) The states shall submit annual monitoring reports to the Regional Administrator, NMFS, West Coast Region, on or before November 1. The annual reports shall include a summary of actions taken to reduce predation (non-lethal and lethal), the states' compliance with the terms and conditions of this authorization, and plans for future actions in compliance with this authorization.
- 15) The states shall periodically review observation data collected by the Corps of Engineers' Fisheries Field Unit to determine if additional individually identifiable California sea lions qualify as predatory (as defined in Term and Condition 1) and, if so, notify the Regional Administrator, NMFS, West Coast Region. NMFS may amend the Appendix, as described in Term and Condition 3.
- 16) This authorization may be modified, suspended, or revoked by NMFS at any time with 72 hours' notice to the states.
- 17) This authorization is valid until June 30, 2021, at which time it may be extended by NMFS for an additional period to be determined by NMFS.

NMFS requests that the states continue to cooperate to the maximum extent practicable in the pursuit of alternative technologies or methods to both reduce California sea lion predation on salmonids and the number of permanent removals of sea lions. Additionally, if resources are

I look forward to continuing to work cooperatively with the states on implementing measures needed to protect at-risk salmonids from sea lion predation at Bonneville Dam. Please contact Robert Anderson, NMFS, West Coast Region, Protected Resources Division, at 503-231-2226 or robert.c.anderson@noaa.gov, if you have any questions about this authorization.

Sincerely,



Barry A. Thom
Regional Administrator

Attachment (1):
Appendix 1

cc: Scott Rumsey, Deputy Regional Administrator, NMFS West Coast Region (WCR)
Chris Yates, Assistant Regional Administrator for Protected Resources, NMFS WCR
Rob Markle, Branch Chief for Protected Resources, NMFS WCR
Robert Anderson, Fishery Biologist, Protected Resources Division, NMFS WCR
Maggie Smith, Attorney, NOAA General Counsel Northwest Section
Administrative File: 151416WCR2016PR00037

APPENDIX 1 - 2016 MMPA Section 120 Authorization - Amendment 11, April 17, 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 | | |

APPENDIX 1 - 2016 MMPA Section 120 Authorization - Amendment 11, April 17, 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> |
|----------------------|----------------------|---------------------|------------|-------------------|---------------------|-----------------------------------|
| 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 11, April 17, 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> |
|----------------------|----------------------|---------------------|--------------|-------------------|---------------------|-----------------------------------|
| 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 | | | | |

APPENDIX 1 - 2016 MMPA Section 120 Authorization - Amendment 11, April 17, 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> |
|----------------------|----------------------|---------------------|------------|-------------------|---------------------|-----------------------------------|
| 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 |

APPENDIX 1 - 2016 MMPA Section 120 Authorization - Amendment 11, April 17, 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> |
|----------------------|----------------------|---------------------|------------|-------------------|---------------------|-----------------------------------|
| 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 |

APPENDIX 1 - 2016 MMPA Section 120 Authorization - Amendment 11, April 17, 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> |
|----------------------|----------------------|---------------------|-------------|-------------------|---------------------|-----------------------------------|
| 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 | | |
| 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 |

APPENDIX 1 - 2016 MMPA Section 120 Authorization - Amendment 11, April 17, 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> |
|----------------------|----------------------|---------------------|------------|-------------------|---------------------|-----------------------------------|
| 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 | | |

APPENDIX 1 - 2016 MMPA Section 120 Authorization - Amendment 11, April 17, 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> |
|----------------------|----------------------|---------------------|------------|-------------------|---------------------|-----------------------------------|
| 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 | | |
| 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 |

APPENDIX 1 - 2016 MMPA Section 120 Authorization - Amendment 11, April 17, 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> |
|----------------------|----------------------|---------------------|------------|-------------------|---------------------|-----------------------------------|
| 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 | | |
| 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 |

APPENDIX 1 - 2016 MMPA Section 120 Authorization - Amendment 11, April 17, 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> |
|----------------------|----------------------|---------------------|------------|-------------------|---------------------|-----------------------------------|
| 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 | | |
| 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 | | |

APPENDIX 1 - 2016 MMPA Section 120 Authorization - Amendment 11, April 17, 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> |
|----------------------|----------------------|---------------------|------------|-------------------|---------------------|-----------------------------------|
| 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 | | |
| 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 | | |
| 367 | 4/17/2019 | 1-99 | | 5/3/2016 | | |
| 368 | 4/17/2019 | 2-02 | | 5/4/2016 | | |
| 369 | 4/17/2019 | 2-07 | | 5/10/2016 | | |
| 370 | 4/17/2019 | 2-15 | | 5/10/2016 | | |
| 371 | 4/17/2019 | 2-25 | | 5/17/2016 | | |
| 372 | 4/17/2019 | 2-27 | | 5/17/2016 | | |
| 373 | 4/17/2019 | 2-28 | | 5/17/2016 | | |
| 374 | 4/17/2019 | 2-30 | | 5/18/2016 | | |

APPENDIX 1 - 2016 MMPA Section 120 Authorization - Amendment 11, April 17, 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> |
|----------------------|----------------------|---------------------|------------|-------------------|---------------------|--------------------|
| 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 | | |

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 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).

APPENDIX 1 - 2016 MMPA Section 120 Authorization - Amendment 11, April 17, 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> |
|----------------------|----------------------|---------------------|------------|-------------------|---------------------|--------------------|
|----------------------|----------------------|---------------------|------------|-------------------|---------------------|--------------------|

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.