

**Request for Letter of Authorization Under
the Marine Mammal Protection Act
for Incidental Harassment Of Marine Mammals Resulting From
U.S. Navy Training and Research Activities In The
Southern California Range Complex**

**Submitted By
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**Submitted To
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ADDENDUM #1

28 December 2009

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INTRODUCTION

In Section 6 “NUMBERS AND SPECIES TAKEN” of the 01 October 2009 SOCAL LOA renewal application, there are some textual and mathematical errors corrected in this addendum.

A. Change to Tables 5 and 6, pages 9 and 10 of 01 October 2009 application:

Tables 5 and 6 have an incorrect species listed.

“~~Northern fur seal~~” is listed incorrectly and should be changed to “Northern elephant seal”.

A revised table is below with changes denoted in red text.

Table 5. Potential exposures from 2009 increased IEER use through 01 Aug 09 and estimated through 20 Jan 2010.

Species Occurring in SOCAL Range Complex AND Subject to Potential IEER Exposure	IEER Exposures For Use Of 108 IEER Per Navy’s Original LOA Application April 2008			Revised Additional IEER Exposures For Use Of IEER Sonobuoys Through 01 Aug 09			Revised Additional IEER Exposures For Use Of 462 IEER Sonobuoys Through 20 Jan 2010		
	Level B	Level A	Mortality	Level B	Level A	Mortality	Level B	Level A	Mortality
Risso’s dolphin	1	0	0	2	0	0	3	0	0
Lb common dolphin	1	0	0	2	0	0	3	0	0
Sb common dolphin	7	0	0	16	0	0	23	0	0
Northern elephant seal	2	0	0	5	0	0	7	0	0
California sea lion	21	4	1	48	9	2	69	13	3
Harbor seal	1	0	0	2	0	0	3	0	0
<i>total</i>	33	4	1	76	9	2	108	13	3

Sb = short-beaked

Lb= long-beaked

Table 6. Change in potential marine mammal exposures from increased IEER authorization from 2010-2013.

Species Occurring in SOCAL Range Complex AND Subject to Potential IEER Exposure ¹	Original IEER Annual Exposure Estimate For 108 IEER sonobuoys			Revised IEER Exposure Estimate For Change In Authorization To 1,675 Annual sonobuoys		
	Level B	Level A	Mortality	Level B	Level A	Mortality
Risso’s dolphin	1	0	0	16	0	0
Long beaked common dolphin	1	0	0	16	0	0
Short beaked common dolphin	7	0	0	109	0	0
Northern elephant seal	2	0	0	31	0	0
California sea lion	21	4	1	326	62	16
Harbor seal	1	0	0	16	0	0
Total	33	4	1	514	62	16

¹ as indicated by acoustic impact modeling

B. Change to Table 10, page 16 of the 01 October 2009 application:

Table 10 below has been changed to reflect summation errors contained in the original Table 10. These summation errors arose from late changes to final revised authorization being sought for IEER, AEER, and NIXIE.

Table 10. LOA renewal recalculation of estimated exposures from all sources in the SOCAL Range Complex as modification of NMFS Final Rule (Table 9 21 Jan 2009).

Changes from original 2009 authorization shown in red underline.

Species	Sonar Exposures			Explosive Exposures				Revised Sonar Exposures			Revised Explosive Exposures			
	Level B Take		Level A Take	Level B Take		Level A Take	Mortality	Level B Take		Level A Take	Level B Take		Level A Take	Mortality
	be-havioral	TTS	PTS	sub-TTS	TTS			be-havioral	TTS	PTS	sub-TTS	TTS		
Mysticetes														
Blue whale	545	67	1	2	2	0	0	<u>582</u>	67	1	2	2	0	0
Fin whale	159	12	0	2	1	0	0	<u>196</u>	12	0	2	1	0	0
Humpback whale	20	2	0	0	0	0	0	<u>57</u>	2	0	0	0	0	0
Sei whale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bryde's whale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gray whale	4,910	544	1	6	7	0	0	<u>4,947</u>	544	1	6	7	0	0
Minke whale	117	16	0	0	0	0	0	<u>154</u>	16	0	0	0	0	0
Odontocetes														
Sperm whale	144	8	0	2	1	0	0	<u>201</u>	8	0	2	1	0	0
Bottlenose dolphin	1,298	194	0	14	10	0	0	<u>1,405</u>	194	0	14	10	0	0
Lb common dolphin	4,090	435	1	61	41	1	0	<u>4,171</u>	435	1	61	<u>56</u>	1	0
N. right whale dolphin	1,347	169	0	19	12	0	0	<u>1,458</u>	169	0	19	12	0	0
Pacific white-sided dolphin	1,191	192	0	12	9	0	0	<u>1,294</u>	192	0	12	9	0	0
Pantropical spotted dolphin	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Risso's dolphin	3,164	343	0	57	34	1	0	<u>3,281</u>	343	0	57	<u>49</u>	1	0
Rough-toothed dolphin	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sb common dolphin	34,836	3,730	6	528	354	12	4	<u>35,027</u>	3,730	6	528	<u>456</u>	12	4
Spinner dolphin	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Striped dolphin	1,576	249	1	6	6	0	0	<u>1,613</u>	249	1	6	6	0	0
Dall's porpoise	537	88	0	2	2	0	0	<u>637</u>	88	0	2	2	0	0
False killer whale	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Killer whale	13	1	0	0	0	0	0	<u>50</u>	1	0	0	0	0	0
Melon-headed whale	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pygmy killer whale	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Short-finned pilot whale	46	6	0	0	0	0	0	<u>83</u>	6	0	0	0	0	0
Dwarf sperm whale	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pygmy sperm whale	148	16	0	1	1	0	0	<u>185</u>	16	0	1	1	0	0
Baird's beaked whale	19	1	0	0	0	0	0	<u>56</u>	1	0	0	0	0	0
Cuvier's beaked whale	390	37	0	5	3	0	0	<u>462</u>	37	0	5	3	0	0
Mesoplodon spp.	122	13	0	2	1	0	0	<u>159</u>	13	0	2	1	0	0
Ziphiid whales	93	8	0	2	1	0	0	<u>130</u>	8	0	2	1	0	0
Pinnipeds														
Guadalupe fur seal	874	190	0	2	2	0	0	<u>911</u>	190	0	2	2	0	0
Northern elephant seal	837	5	0	76	41	0	0	<u>874</u>	5	0	76	<u>70</u>	0	0
Pacific harbor seal	1,052	4,562	9	26	26	1	0	<u>1,133</u>	4,562	9	26	<u>41</u>	1	0
California sea lion	54,384	6	0	584	510	16	6	<u>54,596</u>	6	0	584	<u>815</u>	<u>74</u>	<u>21</u>
Northern fur seal	1,076	3	0	90	64	3	1	<u>1,113</u>	3	0	90	64	3	1
Total	112,988	10,897	19	1,499	1,128	34	11	<u>114,775</u>	10,897	19	1,499	<u>1,608</u>	<u>92</u>	<u>26</u>

