

2015 Daily "At least" Totals of Harbor seals, On-Effort



The focus of the survey is Gray whales (northbound) during migration. We also record observations of all marine-mammal species, including Harbor seals and Southern Sea otters. Of the species sighted, only Gray whales (north and southbound) are migrating past the Point. Their tallies indicate the number of unique animals observed at each sighting. At the end of the day (and survey), we can add the numbers at sightings to total the northbound and southbound Gray whales migrating past Counter Point.

Harbor seals and Sea otters move about the area, coming and going, back and forth, diving and surfacing, feeding and resting. We may have more than one sighting of a particular otter over the day. Since we cannot differentiate, if we see an otter in the morning, then go about tracking Gray whales, and then sight an otter in the afternoon, we would not know if it was the same otter. There would be two sightings in the day, but we may have seen only one otter. *(There were no Southern Sea otter sightings in 2015.)*

In this report, we are trying to determine an "at least" number of unique seals. In the above example, we would enter an "at least" number of 1.

On another day, we might see three Harbor seals resting in the kelp. Here, we know there is more than one: three at that particular sighting. If, later in the day, we sight a single seal swimming at the surface, we do not know if it is one of the three sighted earlier or a different one. We can't add the totals of the sightings together because that would indicate four distinct seals. If nothing changed beyond these two sightings, we would record an "at least" number of 3 Harbor seals for the day.

Over the course of survey 2015, we believe we observed at least four, individual Harbor seals in our area.

part of **2015 Gray Whales Count, Survey Report** © Gray Whales Count, 2016,
prepared by Michael H Smith, Project Coordinator, Gray Whales Count, Santa Barbara, California, USA.

GRAY WHALES COUNT IS A NONPROFIT 501(c)(3) CORPORATION FOR RESEARCH AND EDUCATION

2015 Daily "At least" Totals of Harbor seals, On-Effort

Feb 17	Day 1 of 102	Harbor seals	"At least"	1	Effort Hours 7:55
Feb 18	Day 2 of 102	Harbor seals	"At least"	1	Effort Hours 7:45
Feb 19	Day 3 of 102	Harbor seals	"At least"	1	Effort Hours 7:18
Feb 20	Day 4 of 102	Harbor seals	"At least"	1	Effort Hours 7:52
Feb 21	Day 5 of 102	Harbor seals	"At least"	1	Effort Hours 8:00
Feb 22	Day 6 of 102	Harbor seals	"At least"	1	Effort Hours 6:29
Feb 23	Day 7 of 102	Harbor seals	"At least"	1	Effort Hours 7:29
Feb 24	Day 8 of 102	Harbor seals	"At least"	1	Effort Hours 8:07
Feb 25	Day 9 of 102	Harbor seals	"At least"	1	Effort Hours 8:00
Feb 26	Day 10 of 102	Harbor seals	"At least"	1	Effort Hours 8:00
Feb 27	Day 11 of 102	Harbor seals	"At least"	0	Effort Hours 2:37
Feb 28	Day 12 of 102	Harbor seals	"At least"	0	Effort Hours 7:18
Mar 01	Day 13 of 102	Harbor seals	"At least"	0	Effort Hours 8:00
Mar 02	Day 14 of 102	Harbor seals	"At least"	1	Effort Hours 7:06
Mar 03	Day 15 of 102	Harbor seals	"At least"	1	Effort Hours 8:13
Mar 04	Day 16 of 102	Harbor seals	"At least"	2	Effort Hours 8:00
Mar 05	Day 17 of 102	Harbor seals	"At least"	2	Effort Hours 8:00
Mar 06	Day 18 of 102	Harbor seals	"At least"	2	Effort Hours 8:05
Mar 07	Day 19 of 102	Harbor seals	"At least"	1	Effort Hours 8:00
Mar 08	Day 20 of 102	Harbor seals	"At least"	1	Effort Hours 8:00
Mar 09	Day 21 of 102	Harbor seals	"At least"	1	Effort Hours 8:00
Mar 10	Day 22 of 102	Harbor seals	"At least"	1	Effort Hours 8:00
Mar 11	Day 23 of 102	Harbor seals	"At least"	2	Effort Hours 8:00
Mar 12	Day 24 of 102	Harbor seals	"At least"	2	Effort Hours 8:00
Mar 13	Day 25 of 102	Harbor seals	"At least"	1	Effort Hours 8:08
Mar 14	Day 26 of 102	Harbor seals	"At least"	0	Effort Hours 8:00
Mar 15	Day 27 of 102	Harbor seals	"At least"	1	Effort Hours 8:04
Mar 16	Day 28 of 102	Harbor seals	"At least"	1	Effort Hours 8:07
Mar 17	Day 29 of 102	Harbor seals	"At least"	1	Effort Hours 8:00
Mar 18	Day 30 of 102	Harbor seals	"At least"	2	Effort Hours 8:00
Mar 19	Day 31 of 102	Harbor seals	"At least"	1	Effort Hours 8:08
Mar 20	Day 32 of 102	Harbor seals	"At least"	0	Effort Hours 8:13
Mar 21	Day 33 of 102	Harbor seals	"At least"	0	Effort Hours 8:00
Mar 22	Day 34 of 102	Harbor seals	"At least"	2	Effort Hours 8:00
Mar 23	Day 35 of 102	Harbor seals	"At least"	0	Effort Hours 4:26

2015 Daily "At least" Totals of Harbor seals, On-Effort

Mar 24	Day 36 of 102	Harbor seals	"At least"	0	Effort Hours 8:05
Mar 25	Day 37 of 102	Harbor seals	"At least"	1	Effort Hours 8:36
Mar 26	Day 38 of 102	Harbor seals	"At least"	0	Effort Hours 8:00
Mar 27	Day 39 of 102	Harbor seals	"At least"	0	Effort Hours 8:00
Mar 28	Day 40 of 102	Harbor seals	"At least"	1	Effort Hours 7:24
Mar 29	Day 41 of 102	Harbor seals	"At least"	0	Effort Hours 5:55
Mar 30	Day 42 of 102	Harbor seals	"At least"	1	Effort Hours 6:19
Mar 31	Day 43 of 102	Harbor seals	"At least"	2	Effort Hours 8:00
Apr 01	Day 44 of 102	Harbor seals	"At least"	1	Effort Hours 5:30
Apr 02	Day 45 of 102	Harbor seals	"At least"	1	Effort Hours 8:00
Apr 03	Day 46 of 102	Harbor seals	"At least"	2	Effort Hours 8:00
Apr 04	Day 47 of 102	Harbor seals	"At least"	1	Effort Hours 8:34
Apr 05	Day 48 of 102	Harbor seals	"At least"	1	Effort Hours 5:33
Apr 06	Day 49 of 102	Harbor seals	"At least"	1	Effort Hours 3:39
Apr 07	Day 50 of 102	Harbor seals	"At least"	0	Effort Hours 1:25
Apr 08	Day 51 of 102	Harbor seals	"At least"	0	Effort Hours 5:22
Apr 09	Day 52 of 102	Harbor seals	"At least"	1	Effort Hours 8:00
Apr 10	Day 53 of 102	Harbor seals	"At least"	3	Effort Hours 8:00
Apr 11	Day 54 of 102	Harbor seals	"At least"	1	Effort Hours 8:00
Apr 12	Day 55 of 102	Harbor seals	"At least"	1	Effort Hours 8:00
Apr 13	Day 56 of 102	Harbor seals	"At least"	3	Effort Hours 8:00
Apr 14	Day 57 of 102	Harbor seals	"At least"	1	Effort Hours 8:00
Apr 15	Day 58 of 102	Harbor seals	"At least"	2	Effort Hours 8:00
Apr 16	Day 59 of 102	Harbor seals	"At least"	4	Effort Hours 8:09
Apr 17	Day 60 of 102	Harbor seals	"At least"	3	Effort Hours 8:00
Apr 18	Day 61 of 102	Harbor seals	"At least"	1	Effort Hours 8:00
Apr 19	Day 62 of 102	Harbor seals	"At least"	2	Effort Hours 8:00
Apr 20	Day 63 of 102	Harbor seals	"At least"	1	Effort Hours 8:04
Apr 21	Day 64 of 102	Harbor seals	"At least"	2	Effort Hours 8:00
Apr 22	Day 65 of 102	Harbor seals	"At least"	1	Effort Hours 8:00
Apr 23	Day 66 of 102	Harbor seals	"At least"	1	Effort Hours 8:12
Apr 24	Day 67 of 102	Harbor seals	"At least"	2	Effort Hours 8:00
Apr 25	Day 68 of 102	Harbor seals	"At least"	0	Effort Hours 1:44
Apr 26	Day 69 of 102	Harbor seals	"At least"	1	Effort Hours 3:45
Apr 27	Day 70 of 102	Harbor seals	"At least"	2	Effort Hours 8:00

2015 Daily "At least" Totals of Harbor seals, On-Effort

Apr 28	Day 71 of 102	Harbor seals	"At least"	2	Effort Hours 8:00
Apr 29	Day 72 of 102	Harbor seals	"At least"	2	Effort Hours 8:21
Apr 30	Day 73 of 102	Harbor seals	"At least"	2	Effort Hours 8:00
May 01	Day 74 of 102	Harbor seals	"At least"	1	Effort Hours 8:00
May 02	Day 75 of 102	Harbor seals	"At least"	1	Effort Hours 8:06
May 03	Day 76 of 102	Harbor seals	"At least"	0	Effort Hours 8:05
May 04	Day 77 of 102	Harbor seals	"At least"	1	Effort Hours 6:34
May 05	Day 78 of 102	Harbor seals	"At least"	1	Effort Hours 8:23
May 06	Day 79 of 102	Harbor seals	"At least"	1	Effort Hours 5:16
May 07	Day 80 of 102	Harbor seals	"At least"	0	Effort Hours 2:16
May 08	Day 81 of 102	Harbor seals	"At least"	1	Effort Hours 8:03
May 09	Day 82 of 102	Harbor seals	"At least"	1	Effort Hours 8:00
May 10	Day 83 of 102	Harbor seals	"At least"	1	Effort Hours 8:00
May 11	Day 84 of 102	Harbor seals	"At least"	3	Effort Hours 8:13
May 12	Day 85 of 102	Harbor seals	"At least"	2	Effort Hours 8:10
May 13	Day 86 of 102	Harbor seals	"At least"	5	Effort Hours 8:03
May 14	Day 87 of 102	Harbor seals	"At least"	1	Effort Hours 3:00
May 15	Day 88 of 102	Harbor seals	"At least"	4	Effort Hours 5:43
May 16	Day 89 of 102	Harbor seals	"At least"	4	Effort Hours 8:09
May 17	Day 90 of 102	Harbor seals	"At least"	1	Effort Hours 8:00
May 18	Day 91 of 102	Harbor seals	"At least"	2	Effort Hours 4:53
May 19	Day 92 of 102	Harbor seals	"At least"	2	Effort Hours 5:24
May 20	Day 93 of 102	Harbor seals	"At least"	1	Effort Hours 8:00
May 21	Day 94 of 102	Harbor seals	"At least"	1	Effort Hours 5:00
May 22	Day 95 of 102	Harbor seals	"At least"	0	Effort Hours 2:50
May 23	Day 96 of 102	Harbor seals	"At least"	1	Effort Hours 8:00
May 24	Day 97 of 102	Harbor seals	"At least"	1	Effort Hours 8:00
May 25	Day 98 of 102	Harbor seals	"At least"	3	Effort Hours 8:00
May 26	Day 99 of 102	Harbor seals	"At least"	1	Effort Hours 8:00
May 27	Day 100 of	Harbor seals	"At least"	2	Effort Hours 8:00
May 28	Day 101 of	Harbor seals	"At least"	3	Effort Hours 8:00
May 29	Day 102 of	Harbor seals	"At least"	1	Effort Hours 8:00