

2014 Daily "At least" Totals of Harbor seals & Sea otters, 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.

In this report, we are trying to determine an "at least" number of unique seals and otters. 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 2014, we believe we observed at least three, individual Harbor seals and one Sea otter in our area.

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prepared by Michael H Smith, Project Coordinator, Gray Whales Count, Santa Barbara, California, USA.

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2014 Daily "At least" Totals, of Harbor seals & Sea otters, On-Effort

				At least Sighted
Feb 10	Day 1 of 107	Sightings	Effort Hours 6:45	
		Harbor seals		1
		Southern Sea otters		1
Feb 11	Day 2 of 107	Sightings	Effort Hours 8:00	
		Harbor seals		2
		Southern Sea otters		0
Feb 12	Day 3 of 107	Sightings	Effort Hours 8:05	
		Harbor seals		1
		Southern Sea otters		0
Feb 13	Day 4 of 107	Sightings	Effort Hours 8:00	
		Harbor seals		2
		Southern Sea otters		0
Feb 14	Day 5 of 107	Sightings	Effort Hours 8:00	
		Harbor seals		1
		Southern Sea otters		0
Feb 15	Day 6 of 107	Sightings	Effort Hours 8:00	
		Harbor seals		1
		Southern Sea otters		0
Feb 16	Day 7 of 107	Sightings	Effort Hours 8:00	
		Harbor seals		1
		Southern Sea otters		0
Feb 17	Day 8 of 107	Sightings	Effort Hours 4:15	
		Harbor seals		1
		Southern Sea otters		0
Feb 18	Day 9 of 107	Sightings	Effort Hours 8:00	
		Harbor seals		2
		Southern Sea otters		0
Feb 19	Day 10 of 107	Sightings	Effort Hours 7:21	
		Harbor seals		3
		Southern Sea otters		0
Feb 20	Day 11 of 107	Sightings	Effort Hours 8:03	
		Harbor seals		1
		Southern Sea otters		0
Feb 21	Day 12 of 107	Sightings	Effort Hours 8:00	
		Harbor seals		1
		Southern Sea otters		0
Feb 22	Day 13 of 107	Sightings	Effort Hours 0:00	

2014 Daily "At least" Totals, of Harbor seals & Sea otters, On-Effort

			At least Sighted
Harbor seals			0
Southern Sea otters			0
Feb 23	Day 14 of 107	Sightings Effort Hours 1:23	
Harbor seals			0
Southern Sea otters			0
Feb 24	Day 15 of 107	Sightings Effort Hours 5:56	
Harbor seals			0
Southern Sea otters			0
Feb 25	Day 16 of 107	Sightings Effort Hours 8:00	
Harbor seals			1
Southern Sea otters			0
Feb 26	Day 17 of 107	Sightings Effort Hours 4:50	
Harbor seals			0
Southern Sea otters			0
Feb 27	Day 18 of 107	Sightings Effort Hours 4:20	
Harbor seals			2
Southern Sea otters			0
Feb 28	Day 19 of 107	Sightings Effort Hours 0:00	
Harbor seals			0
Southern Sea otters			0
Mar 01	Day 20 of 107	Sightings Effort Hours 0:00	
Harbor seals			0
Southern Sea otters			0
Mar 02	Day 21 of 107	Sightings Effort Hours 6:46	
Harbor seals			0
Southern Sea otters			0
Mar 03	Day 22 of 107	Sightings Effort Hours 8:06	
Harbor seals			0
Southern Sea otters			0
Mar 04	Day 23 of 107	Sightings Effort Hours 0:45	
Harbor seals			0
Southern Sea otters			0
Mar 05	Day 24 of 107	Sightings Effort Hours 8:00	
Harbor seals			1
Southern Sea otters			0
Mar 06	Day 25 of 107	Sightings Effort Hours 2:16	
Harbor seals			1
Southern Sea otters			0

2014 Daily "At least" Totals, of Harbor seals & Sea otters, On-Effort

				At least Sighted
Mar 07 Day 26 of 107	Sightings	Effort Hours 8:03		
	Harbor seals			0
	Southern Sea otters			0
Mar 08 Day 27 of 107	Sightings	Effort Hours 8:00		
	Harbor seals			1
	Southern Sea otters			0
Mar 09 Day 28 of 107	Sightings	Effort Hours 8:00		
	Harbor seals			1
	Southern Sea otters			0
Mar 10 Day 29 of 107	Sightings	Effort Hours 8:00		
	Harbor seals			2
	Southern Sea otters			0
Mar 11 Day 30 of 107	Sightings	Effort Hours 8:00		
	Harbor seals			2
	Southern Sea otters			0
Mar 12 Day 31 of 107	Sightings	Effort Hours 8:07		
	Harbor seals			1
	Southern Sea otters			0
Mar 13 Day 32 of 107	Sightings	Effort Hours 8:00		
	Harbor seals			1
	Southern Sea otters			0
Mar 14 Day 33 of 107	Sightings	Effort Hours 8:01		
	Harbor seals			0
	Southern Sea otters			0
Mar 15 Day 34 of 107	Sightings	Effort Hours 8:14		
	Harbor seals			3
	Southern Sea otters			0
Mar 16 Day 35 of 107	Sightings	Effort Hours 8:19		
	Harbor seals			2
	Southern Sea otters			0
Mar 17 Day 36 of 107	Sightings	Effort Hours 1:21		
	Harbor seals			0
	Southern Sea otters			0
Mar 18 Day 37 of 107	Sightings	Effort Hours 8:00		
	Harbor seals			1
	Southern Sea otters			0
Mar 19 Day 38 of 107	Sightings	Effort Hours 8:00		
	Harbor seals			1
	Southern Sea otters			0

2014 Daily "At least" Totals, of Harbor seals & Sea otters, On-Effort

				At least Sighted
		Harbor seals		2
		Southern Sea otters		0
Mar 20	Day 39 of 107	Sightings	Effort Hours 8:00	
		Harbor seals		2
		Southern Sea otters		0
Mar 21	Day 40 of 107	Sightings	Effort Hours 8:24	
		Harbor seals		2
		Southern Sea otters		0
Mar 22	Day 41 of 107	Sightings	Effort Hours 8:00	
		Harbor seals		1
		Southern Sea otters		0
Mar 23	Day 42 of 107	Sightings	Effort Hours 8:00	
		Harbor seals		0
		Southern Sea otters		0
Mar 24	Day 43 of 107	Sightings	Effort Hours 8:07	
		Harbor seals		3
		Southern Sea otters		0
Mar 25	Day 44 of 107	Sightings	Effort Hours 8:00	
		Harbor seals		1
		Southern Sea otters		0
Mar 26	Day 45 of 107	Sightings	Effort Hours 2:06	
		Harbor seals		0
		Southern Sea otters		0
Mar 27	Day 46 of 107	Sightings	Effort Hours 2:34	
		Harbor seals		0
		Southern Sea otters		0
Mar 28	Day 47 of 107	Sightings	Effort Hours 8:00	
		Harbor seals		1
		Southern Sea otters		0
Mar 29	Day 48 of 107	Sightings	Effort Hours 8:02	
		Harbor seals		1
		Southern Sea otters		0
Mar 30	Day 49 of 107	Sightings	Effort Hours 4:24	
		Harbor seals		1
		Southern Sea otters		0
Mar 31	Day 50 of 107	Sightings	Effort Hours 8:00	
		Harbor seals		1
		Southern Sea otters		0

2014 Daily "At least" Totals, of Harbor seals & Sea otters, On-Effort

				At least Sighted
Apr 01	Day 51 of 107	Sightings	Effort Hours 7:00	
		Harbor seals		1
		Southern Sea otters		0
Apr 02	Day 52 of 107	Sightings	Effort Hours 2:57	
		Harbor seals		0
		Southern Sea otters		0
Apr 03	Day 53 of 107	Sightings	Effort Hours 8:00	
		Harbor seals		1
		Southern Sea otters		0
Apr 04	Day 54 of 107	Sightings	Effort Hours 6:13	
		Harbor seals		3
		Southern Sea otters		0
Apr 05	Day 55 of 107	Sightings	Effort Hours 8:00	
		Harbor seals		0
		Southern Sea otters		0
Apr 06	Day 56 of 107	Sightings	Effort Hours 8:00	
		Harbor seals		1
		Southern Sea otters		0
Apr 07	Day 57 of 107	Sightings	Effort Hours 8:00	
		Harbor seals		1
		Southern Sea otters		0
Apr 08	Day 58 of 107	Sightings	Effort Hours 5:38	
		Harbor seals		1
		Southern Sea otters		0
Apr 09	Day 59 of 107	Sightings	Effort Hours 2:57	
		Harbor seals		1
		Southern Sea otters		0
Apr 10	Day 60 of 107	Sightings	Effort Hours 6:42	
		Harbor seals		1
		Southern Sea otters		0
Apr 11	Day 61 of 107	Sightings	Effort Hours 7:18	
		Harbor seals		2
		Southern Sea otters		1
Apr 12	Day 62 of 107	Sightings	Effort Hours 8:00	
		Harbor seals		3
		Southern Sea otters		0
Apr 13	Day 63 of 107	Sightings	Effort Hours 8:00	
		Harbor seals		
		Southern Sea otters		

2014 Daily "At least" Totals, of Harbor seals & Sea otters, On-Effort

			At least Sighted
Harbor seals			2
Southern Sea otters			0
Apr 14	Day 64 of 107	Sightings Effort Hours 3:55	
Harbor seals			2
Southern Sea otters			0
Apr 15	Day 65 of 107	Sightings Effort Hours 0:00	
Harbor seals			0
Southern Sea otters			0
Apr 16	Day 66 of 107	Sightings Effort Hours 8:00	
Harbor seals			1
Southern Sea otters			0
Apr 17	Day 67 of 107	Sightings Effort Hours 8:05	
Harbor seals			1
Southern Sea otters			0
Apr 18	Day 68 of 107	Sightings Effort Hours 8:00	
Harbor seals			1
Southern Sea otters			0
Apr 19	Day 69 of 107	Sightings Effort Hours 8:00	
Harbor seals			1
Southern Sea otters			0
Apr 20	Day 70 of 107	Sightings Effort Hours 8:00	
Harbor seals			1
Southern Sea otters			0
Apr 21	Day 71 of 107	Sightings Effort Hours 2:28	
Harbor seals			1
Southern Sea otters			0
Apr 22	Day 72 of 107	Sightings Effort Hours 8:16	
Harbor seals			0
Southern Sea otters			0
Apr 23	Day 73 of 107	Sightings Effort Hours 8:10	
Harbor seals			0
Southern Sea otters			0
Apr 24	Day 74 of 107	Sightings Effort Hours 8:00	
Harbor seals			0
Southern Sea otters			0
Apr 25	Day 75 of 107	Sightings Effort Hours 7:57	
Harbor seals			1
Southern Sea otters			0

2014 Daily "At least" Totals, of Harbor seals & Sea otters, On-Effort

				At least Sighted
Apr 26	Day 76 of 107	Sightings	Effort Hours 0:00	
		Harbor seals		0
		Southern Sea otters		0
Apr 27	Day 77 of 107	Sightings	Effort Hours 3:04	
		Harbor seals		1
		Southern Sea otters		0
Apr 28	Day 78 of 107	Sightings	Effort Hours 3:50	
		Harbor seals		1
		Southern Sea otters		0
Apr 29	Day 79 of 107	Sightings	Effort Hours 8:06	
		Harbor seals		1
		Southern Sea otters		0
Apr 30	Day 80 of 107	Sightings	Effort Hours 8:07	
		Harbor seals		1
		Southern Sea otters		0
May 01	Day 81 of 107	Sightings	Effort Hours 8:18	
		Harbor seals		1
		Southern Sea otters		0
May 02	Day 82 of 107	Sightings	Effort Hours 8:29	
		Harbor seals		1
		Southern Sea otters		0
May 03	Day 83 of 107	Sightings	Effort Hours 8:00	
		Harbor seals		1
		Southern Sea otters		0
May 04	Day 84 of 107	Sightings	Effort Hours 8:00	
		Harbor seals		1
		Southern Sea otters		0
May 05	Day 85 of 107	Sightings	Effort Hours 7:17	
		Harbor seals		1
		Southern Sea otters		0
May 06	Day 86 of 107	Sightings	Effort Hours 0:00	
		Harbor seals		0
		Southern Sea otters		0
May 07	Day 87 of 107	Sightings	Effort Hours 5:14	
		Harbor seals		0
		Southern Sea otters		0
May 08	Day 88 of 107	Sightings	Effort Hours 8:00	
		Harbor seals		0
		Southern Sea otters		0

2014 Daily "At least" Totals, of Harbor seals & Sea otters, On-Effort

				At least Sighted
		Harbor seals		0
		Southern Sea otters		0
May 09	Day 89 of 107	Sightings	Effort Hours 4:46	
		Harbor seals		3
		Southern Sea otters		0
May 10	Day 90 of 107	Sightings	Effort Hours 3:02	
		Harbor seals		0
		Southern Sea otters		0
May 11	Day 91 of 107	Sightings	Effort Hours 8:00	
		Harbor seals		1
		Southern Sea otters		0
May 12	Day 92 of 107	Sightings	Effort Hours 8:00	
		Harbor seals		1
		Southern Sea otters		0
May 13	Day 93 of 107	Sightings	Effort Hours 8:00	
		Harbor seals		1
		Southern Sea otters		0
May 14	Day 94 of 107	Sightings	Effort Hours 8:00	
		Harbor seals		1
		Southern Sea otters		0
May 15	Day 95 of 107	Sightings	Effort Hours 8:14	
		Harbor seals		1
		Southern Sea otters		0
May 16	Day 96 of 107	Sightings	Effort Hours 8:00	
		Harbor seals		1
		Southern Sea otters		0
May 17	Day 97 of 107	Sightings	Effort Hours 8:00	
		Harbor seals		1
		Southern Sea otters		0
May 18	Day 98 of 107	Sightings	Effort Hours 4:00	
		Harbor seals		1
		Southern Sea otters		0
May 19	Day 99 of 107	Sightings	Effort Hours 5:42	
		Harbor seals		1
		Southern Sea otters		0
May 20	Day 100 of	Sightings	Effort Hours 0:30	
		Harbor seals		0
		Southern Sea otters		0

2014 Daily "At least" Totals, of Harbor seals & Sea otters, On-Effort

				At least Sighted
May 21	Day 101 of	Sightings	Effort Hours 6:08	
		Harbor seals		2
		Southern Sea otters		0
May 22	Day 102 of	Sightings	Effort Hours 8:00	
		Harbor seals		2
		Southern Sea otters		0
May 23	Day 103 of	Sightings	Effort Hours 8:00	
		Harbor seals		2
		Southern Sea otters		0
May 24	Day 104 of	Sightings	Effort Hours 8:00	
		Harbor seals		1
		Southern Sea otters		0
May 25	Day 105 of	Sightings	Effort Hours 8:00	
		Harbor seals		1
		Southern Sea otters		0
May 26	Day 106 of	Sightings	Effort Hours 6:22	
		Harbor seals		2
		Southern Sea otters		0
May 27	Day 107 of	Sightings	Effort Hours 6:48	
		Harbor seals		2
		Southern Sea otters		0