

Gray whale *Eschrichtius robustus* NORTHBOUND MIGRATION - 2017



Total whales: 1,052 calves: 210 Number of sightings: 509

KEY: In this report, only sightings on-effort are presented: sightings at which two or more, qualified observers were on duty with proper equipment, with adequate visibility, and sea state at or below Beaufort 4.

Quality is overall observation quality. The number is Beaufort scale. Position of sighting is represented by true bearing and distance in meters from our observation platform on Counter Point, which faces south.

ND or nd = not determined; and NI or ni = not indicated.

part of 2017 Gray Whales Count, Survey Report © Gray Whales Count, 2017, Santa Barbara, California, USA
prepared by Michael H Smith, Project Coordinator

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2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Feb 22 | | Day 2 of 90 | | Daily Totals | | whales | 3 | calves | 0 |
|-----------------|------------|------------------------------|--|--------------|--|--------|---|--------|---|
| Sighting Number | 08 | Quality: Fair Beaufort: 4 | Total whales 3 — 0 calves at sighting | | | | | | |
| | 10:44 -PST | 18:44-GMT | Position: 177° / 1331 m Direction: West; Behavior: Speed slow • Traveling maybe long downtime because of vessel (V#6) - Saw whales and did not enter @1015 100/.3 | | | | | | |
| | 10:57 -PST | 18:57-GMT | Position: 233° / 1674 m Direction: West; Behavior: Speed slow • Traveling | | | | | | |
| Feb 24 | | Day 4 of 90 | | Daily Totals | | whales | 4 | calves | 0 |
| Sighting Number | 07 | Quality: Good Beaufort: 2 | Total whales 1 — 0 calves at sighting | | | | | | |
| | 11:16 -PST | 19:16-GMT | Position: 144° / 2260 m Direction: West; Behavior: Speed slow • Traveling • Fluke | | | | | | |
| | 11:21 -PST | 19:21-GMT | Position: 171° / 1403 m Direction: West; Behavior: Speed slow • Traveling • Fluke | | | | | | |
| | 11:30 -PST | 19:30-GMT | Position: 222° / 1483 m Direction: West; Behavior: Speed slow • Traveling | | | | | | |
| Sighting Number | 11 | Quality: Fair Beaufort: 3 | Total whales 2 — 0 calves at sighting | | | | | | |
| | 15:36 -PST | 23:36-GMT | Position: 216° / 2260 m Direction: West; Behavior: Speed slow • Traveling | | | | | | |
| | 15:40 -PST | 23:40-GMT | Position: 224° / 2260 m Direction: West; Behavior: Speed slow • Traveling | | | | | | |
| Sighting Number | 13 | Quality: Fair Beaufort: 3 | Total whales 1 — 0 calves at sighting | | | | | | |
| | 16:21 -PST | 0:21; 2/25/2017-GMT | Position: 182° / 3528 m Direction: West; Behavior: Speed slow • Traveling | | | | | | |
| | 16:25 -PST | 0:25; 2/25/2017-GMT | Position: 188° / 3088 m Direction: West; Behavior: Speed slow • Traveling | | | | | | |
| Feb 25 | | Day 5 of 90 | | Daily Totals | | whales | 6 | calves | 0 |
| Sighting Number | 08 | Quality: Fair Beaufort: 2 | Total whales 2 — 0 calves at sighting | | | | | | |
| | 10:54 -PST | 18:54-GMT | Position: 149° / 3528 m Direction: West; Behavior: Speed slow • Traveling long downtime | | | | | | |
| | 11:06 -PST | 19:06-GMT | Position: 157° / 3528 m Direction: West; Behavior: Speed slow • Traveling | | | | | | |
| | 11:17 -PST | 19:17-GMT | Position: 170° / 3088 m Direction: West; Behavior: Speed slow • Traveling | | | | | | |
| | 11:29 -PST | 19:29-GMT | Position: 188° / 3088 m Direction: West; Behavior: Speed slow • Traveling | | | | | | |
| Sighting Number | 11 | Quality: Fair Beaufort: 3 | Total whales 1 — 0 calves at sighting | | | | | | |
| | 12:36 -PST | 20:36-GMT | Position: 163° / 1922 m Direction: West; Behavior: Speed slow • Traveling | | | | | | |
| | 12:43 -PST | 20:43-GMT | Position: 196° / 1403 m Direction: West; Behavior: Speed slow • Traveling | | | | | | |
| Sighting Number | 12 | Quality: Fair Beaufort: 3 | Total whales 3 — 0 calves at sighting | | | | | | |
| | 12:45 -PST | 20:45-GMT | Position: 217° / 2749 m Direction: West; Behavior: Speed slow • Traveling | | | | | | |
| Feb 26 | | Day 6 of 90 | | Daily Totals | | whales | 2 | calves | 0 |
| Sighting Number | 01 | Quality: Fair Beaufort: 2 | Total whales 2 — 0 calves at sighting | | | | | | |
| | 11:51 -PST | 19:51-GMT | Position: 146° / 2749 m Direction: West; Behavior: Speed slow • Traveling | | | | | | |
| | 11:58 -PST | 19:58-GMT | Position: 161° / 2749 m Direction: West; Behavior: Speed slow • Traveling | | | | | | |
| | 12:08 -PST | 20:08-GMT | Position: 186° / 2260 m Direction: West; Behavior: Speed slow • Traveling | | | | | | |
| Feb 27 | | Day 7 of 90 | | Daily Totals | | whales | 1 | calves | 0 |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| Sighting Number | 05 | Quality: Fair | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 2 | |
| | | 12:04 -PST 20:04-GMT | Position: 231° / 2260 m Direction: West; Behavior: Speed slow • Breach |
| | | 12:06 -PST 20:06-GMT | Position: 233° / 2260 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
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| Feb 28 | Day 8 of 90 | Daily Totals whales 5 calves 0 | |
| Sighting Number | 01 | Quality: Fair | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 3 | |
| | | 09:14 -PST 17:14-GMT | Position: 174° / 778 m Direction: West; Behavior: Speed slow • Traveling |
| | | 09:20 -PST 17:20-GMT | Position: 250° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
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| Sighting Number | 03 | Quality: Fair | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 3 | |
| | | Images: 4429-31 | |
| | | 09:24 -PST 17:24-GMT | Position: 137° / 735 m Direction: West; Behavior: Speed slow • Traveling |
| | | 09:28 -PST 17:28-GMT | Position: 171° / 661 m Direction: West; Behavior: Speed slow • Traveling |
| | | 09:30 -PST 17:30-GMT | Position: 191° / 696 m Direction: West; Behavior: Speed slow • Traveling |
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| Sighting Number | 06 | Quality: Fair | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 3 | |
| | | 10:13 -PST 18:13-GMT | Position: 187° / 574 m Direction: West; Behavior: Speed slow • Traveling |
| | | just off kelp | |
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| Sighting Number | 08 | Quality: Fair | Total whales 2 — 0 calves at sighting |
| | | Beaufort: 3 | |
| | | Images: 4453-61 | |
| | | 10:31 -PST 18:31-GMT | Position: 117° / 1403 m Direction: West; Behavior: Speed slow • Traveling |
| | | just off kelp | |
| | | 10:38 -PST 18:38-GMT | Position: 143° / 735 m Direction: West; Behavior: Speed slow • Traveling |
| | | 10:40 -PST 18:40-GMT | Position: 159° / 629 m Direction: West; Behavior: Speed slow • Traveling |
| | | 10:42 -PST 18:42-GMT | Position: 187° / 508 m Direction: West; Behavior: Speed slow • Traveling |
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| Mar 01 | Day 9 of 90 | Daily Totals whales 13 calves 0 | |
| Sighting Number | 03 | Quality: Good | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 0 | |
| | | Images: 4480-5-9 | |
| | | 09:45 -PST 17:45-GMT | Position: 115° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | | 09:54 -PST 17:54-GMT | Position: 144° / 735 m Direction: West; Behavior: Speed slow • Traveling |
| | | 09:57 -PST 17:57-GMT | Position: 174° / 508 m Direction: West; Behavior: Speed slow • Traveling |
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| Sighting Number | 04 | Quality: Good | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 0 | |
| | | 09:59 -PST 17:59-GMT | Position: 134° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | | 10:04 -PST 18:04-GMT | Position: 154° / 1403 m Direction: West; Behavior: Speed slow • Traveling |
| | | 10:06 -PST 18:06-GMT | Position: 164° / 1331 m Direction: West; Behavior: Speed slow • Traveling |
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| Sighting Number | 07 | Quality: Good | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 0 | |
| | | 10:45 -PST 18:45-GMT | Position: 158° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | | 10:52 -PST 18:52-GMT | Position: 184° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
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| Sighting Number | 08 | Quality: Good | Total whales 3 — 0 calves at sighting |
| | | Beaufort: 0 | |
| | | 10:58 -PST 18:58-GMT | Position: 200° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | | 11:01 -PST 19:01-GMT | Position: 210° / 2749 m Direction: West; Behavior: Speed slow • Traveling |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| Sighting Number | 09 | Quality: Good | Total whales 3 — 0 calves at sighting |
| | | Beaufort: 0 | |
| | | 11:29 -PST 19:29-GMT | Position: 122° / 1331 m Direction: West; Behavior: Speed slow • Traveling |
| | | 11:36 -PST 19:36-GMT | Position: 143° / 946 m Direction: West; Behavior: Speed slow • Traveling |
| | | 11:39 -PST 19:39-GMT | Position: 165° / 661 m Direction: West; Behavior: Speed slow • Traveling |
| | | 11:45 -PST 19:45-GMT | Position: 214° / 600 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 10 | Quality: Good | Total whales 2 — 0 calves at sighting |
| | | Beaufort: 0 | |
| | | 12:00 -PST 20:00-GMT | Position: 141° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | | 12:05 -PST 20:05-GMT | Position: 160° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | | 12:20 -PST 20:20-GMT | Position: 197° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 11 | Quality: Good | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 0 | |
| | | 12:07 -PST 20:07-GMT | Position: 154° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | | 12:11 -PST 20:11-GMT | Position: 167° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | | 12:15 -PST 20:15-GMT | Position: 180° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 13 | Quality: Good | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 3 | |
| | | 14:25 -PST 22:25-GMT | Position: 141° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | | 14:31 -PST 22:31-GMT | Position: 153° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | | 14:37 -PST 22:37-GMT | Position: 164° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | | 14:43 -PST 22:43-GMT | Position: 186° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| Mar 02 | Day 10 of 90 | Daily Totals whales 9 calves 0 | |
| Sighting Number | 08 | Quality: Fair | Total whales 3 — 0 calves at sighting |
| | | Beaufort: 1 | |
| | | 10:26 -PST 18:26-GMT | Position: 155° / 5027 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | | 10:35 -PST 18:35-GMT | Position: 163° / 5027 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | | 10:42 -PST 18:42-GMT | Position: 171° / 3528 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number | 09 | Quality: Fair | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 0 | |
| | | 10:28 -PST 18:28-GMT | Position: 164° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | | 10:34 -PST 18:34-GMT | Position: 175° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | | 10:39 -PST 18:39-GMT | Position: 184° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 12 | Quality: Fair | Total whales 2 — 0 calves at sighting |
| | | Beaufort: 0 | |
| | | 12:27 -PST 20:27-GMT | Position: 169° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | | 12:31 -PST 20:31-GMT | Position: 179° / 2260 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | | 12:37 -PST 20:37-GMT | Position: 195° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 22 | Quality: Fair | Total whales 3 — 0 calves at sighting |
| | | Beaufort: 1 | |
| | | 16:57 -PST 0:57; 3/3/2017-GMT | Position: 204° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| Mar 03 | Day 11 of 90 | Daily Totals whales 17 calves 0 | |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| Sighting Number | 01 | Quality: Fair | Total whales 2 — 0 calves at sighting |
| | | Beaufort: 0 | |
| | | 09:02 -PST 17:02-GMT | Position: 185° / 778 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 04 | Quality: Fair | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 0 | |
| | | 09:34 -PST 17:34-GMT | Position: 135° / 735 m Direction: West; Behavior: Speed slow • Traveling |
| | | 09:38 -PST 17:38-GMT | Position: 178° / 550 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 07 | Quality: Fair | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 0 | |
| | | 10:04 -PST 18:04-GMT | Position: 140° / 508 m Direction: West; Behavior: Speed slow • Traveling |
| | | 10:09 -PST 18:09-GMT | Position: 204° / 489 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 08 | Quality: Fair | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 0 | |
| | | 10:20 -PST 18:20-GMT | Position: 170° / 696 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 12 | Quality: Fair | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 0 | |
| | | 11:54 -PST 19:54-GMT | Position: 135° / 1020 m Direction: West; Behavior: Speed slow • Traveling |
| | | 12:02 -PST 20:02-GMT | Position: 212° / 827 m Direction: West; Behavior: Speed slow • Traveling |
| | | 12:04 -PST 20:04-GMT | Position: 235° / 883 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 13 | Quality: Fair | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 0 | |
| | | 12:34 -PST 20:34-GMT | Position: 142° / 883 m Direction: West; Behavior: Speed slow • Traveling |
| | | 12:39 -PST 20:39-GMT | Position: 186° / 661 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 14 | Quality: Fair | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 0 | |
| | | 13:19 -PST 21:19-GMT | Position: 150° / 550 m Direction: West; Behavior: Speed slow • Traveling |
| | | 13:21 -PST 21:21-GMT | Position: 161° / 550 m Direction: West; Behavior: Speed slow • Traveling |
| | | 13:26 -PST 21:26-GMT | Position: 224° / 539 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 16 | Quality: Fair | Total whales 2 — 0 calves at sighting |
| | | Beaufort: 0 | |
| | | 13:40 -PST 21:40-GMT | Position: 122° / 1403 m Direction: West; Behavior: Speed slow • Traveling |
| | | 13:45 -PST 21:45-GMT | Position: 138° / 1106 m Direction: West; Behavior: Speed slow • Traveling |
| | | 13:48 -PST 21:48-GMT | Position: 156° / 1331 m Direction: West; Behavior: Speed slow • Traveling |
| | | 13:50 -PST 21:50-GMT | Position: 181° / 913 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 22 | Quality: Fair | Total whales 2 — 0 calves at sighting |
| | | Beaufort: 3 | |
| | | 14:53 -PST 22:53-GMT | Position: 146° / 400 m Direction: West; Behavior: Speed slow • Traveling |
| | | 15:00 -PST 23:00-GMT | Position: 167° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | | 15:05 -PST 23:05-GMT | Position: 187° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 23 | Quality: Fair | Total whales 2 — 0 calves at sighting |
| | | Beaufort: 3 | |
| | | 15:28 -PST 23:28-GMT | Position: 187° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | | 15:32 -PST 23:32-GMT | Position: 195° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | | 15:34 -PST 23:34-GMT | Position: 206° / 2749 m Direction: West; Behavior: Speed slow • Traveling • Fluke |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| Sighting Number | 24 | Quality: Fair | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 3 | |
| | | 15:35 -PST 23:35-GMT | Position: 143° / 1403 m Direction: West; Behavior: Speed slow • Traveling |
| | | 15:38 -PST 23:38-GMT | Position: 149° / 1331 m Direction: West; Behavior: Speed slow • Traveling |
| | | 15:49 -PST 23:49-GMT | Position: 220° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 26 | Quality: Fair | Total whales 2 — 0 calves at sighting |
| | | Beaufort: 2 | |
| | | 16:18 -PST 0:18; 3/4/2017-GMT | Position: 148° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | | 16:24 -PST 0:24; 3/4/2017-GMT | Position: 163° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | | 16:32 -PST 0:32; 3/4/2017-GMT | Position: 198° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| | | 16:37 -PST 0:37; 3/4/2017-GMT | Position: 215° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| Mar 04 | Day 12 of 90 | Daily Totals | whales 14 calves 0 |
| Sighting Number | 01 | Quality: Poor | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 0 | |
| | | 09:13 -PST 17:13-GMT | Position: 158° / 600 m Direction: West; Behavior: Speed slow • Traveling |
| | | 09:18 -PST 17:18-GMT | Position: 194° / 550 m Direction: West; Behavior: Speed slow • Traveling |
| | | 09:21 -PST 17:21-GMT | Position: 225° / 489 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 02 | Quality: Poor | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 0 | |
| | | 10:21 -PST 18:21-GMT | Position: 144° / 550 m Direction: West; Behavior: Speed slow • Traveling |
| | | 10:24 -PST 18:24-GMT | Position: 174° / 508 m Direction: West; Behavior: Speed slow • Traveling |
| | | 10:28 -PST 18:28-GMT | Position: 219° / 489 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 03 | Quality: Fair | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 0 | |
| | | 11:34 -PST 19:34-GMT | Position: 168° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 04 | Quality: Fair | Total whales 2 — 0 calves at sighting |
| | | Beaufort: 0 | |
| | | 12:13 -PST 20:13-GMT | Position: 150° / 1922 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | | 12:22 -PST 20:22-GMT | Position: 182° / 1208 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | | 12:30 -PST 20:30-GMT | Position: 223° / 1483 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number | 06 | Quality: Fair | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 0 | |
| | | 13:14 -PST 21:14-GMT | Position: 159° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | | 13:20 -PST 21:20-GMT | Position: 194° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 07 | Quality: Fair | Total whales 6 — 0 calves at sighting |
| | | Beaufort: 0 | |
| | | 13:24 -PST 21:24-GMT | Position: 144° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | | 13:33 -PST 21:33-GMT | Position: 153° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | | 13:44 -PST 21:44-GMT | Position: 176° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | | 13:52 -PST 21:52-GMT | Position: 197° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 08 | Quality: Fair | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 0 | |
| | | 14:12 -PST 22:12-GMT | Position: 202° / 1922 m Direction: West; Behavior: Speed slow • Traveling |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| | 14:16 -PST | 22:16-GMT | Position: 216° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 13 | Quality: Fair | Total whales 1 — 0 calves at sighting | |
| Images: 4623-31 | Beaufort: 0 | | |
| | 16:02 -PST | 0:02; 3/5/2017-GMT | Position: 124° / 946 m Direction: West; Behavior: Speed slow • Traveling |
| | 16:07 -PST | 0:07; 3/5/2017-GMT | Position: 135° / 778 m Direction: West; Behavior: Speed slow • Traveling |
| | 16:10 -PST | 0:10; 3/5/2017-GMT | Position: 162° / 946 m Direction: West; Behavior: Speed slow • Traveling |
| | 16:07 -PST | 0:07; 3/5/2017-GMT | Position: 135° / 778 m Direction: West; Behavior: Speed slow • Traveling |
| | 16:10 -PST | 0:10; 3/5/2017-GMT | Position: 162° / 946 m Direction: West; Behavior: Speed slow • Traveling |
| Mar 06 | Day 14 of 90 | Daily Totals | whales 2 calves 0 |
| Sighting Number 04 | Quality: Fair | Total whales 1 — 0 calves at sighting | |
| | Beaufort: 3 | | |
| | 10:48 -PST | 18:48-GMT | Position: 142° / 913 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:52 -PST | 18:52-GMT | Position: 179° / 778 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 05 | Quality: Fair | Total whales 1 — 0 calves at sighting | |
| | Beaufort: 4 | | |
| | 12:32 -PST | 20:32-GMT | Position: 149° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 12:41 -PST | 20:41-GMT | Position: 155° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 12:52 -PST | 20:52-GMT | Position: 175° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | 13:03 -PST | 21:03-GMT | Position: 202° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| Mar 07 | Day 15 of 90 | Daily Totals | whales 15 calves 0 |
| Sighting Number 01 | Quality: Fair | Total whales 3 — 0 calves at sighting | |
| | Beaufort: 0 | | |
| | 09:03 -PST | 17:03-GMT | Position: 146° / 3088 m Direction: West; Behavior: Speed slow • Traveling 1 leading a pair (1 + 2) |
| | 09:07 -PST | 17:07-GMT | Position: 151° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:20 -PST | 17:20-GMT | Position: 159° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:39 -PST | 17:39-GMT | Position: 201° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 02 | Quality: Fair | Total whales 1 — 0 calves at sighting | |
| | Beaufort: 0 | | |
| | 09:03 -PST | 17:03-GMT | Position: 149° / 1331 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:09 -PST | 17:09-GMT | Position: 194° / 1020 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 05 | Quality: Fair | Total whales 2 — 0 calves at sighting | |
| | Beaufort: 0 | | |
| | 10:39 -PST | 18:39-GMT | Position: 148° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:48 -PST | 18:48-GMT | Position: 160° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:57 -PST | 18:57-GMT | Position: 177° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 07 | Quality: Fair | Total whales 2 — 0 calves at sighting | |
| | Beaufort: 0 | | |
| | 11:28 -PST | 19:28-GMT | Position: 173° / 3528 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:37 -PST | 19:37-GMT | Position: 184° / 3528 m Direction: West; Behavior: Speed slow • Traveling |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| Sighting Number 08 | Quality: Fair Beaufort: 0 | Total whales 1 — 0 calves at sighting |
| | 12:02 -PST 20:02-GMT | Position: 141° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 12:30 -PST 20:30-GMT | Position: 167° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 12:46 -PST 20:46-GMT | Position: 189° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 09 | Quality: Good Beaufort: 0 | Total whales 6 — 0 calves at sighting |
| | 13:39 -PST 21:39-GMT | Position: 149° / 3528 m Direction: West; Behavior: Speed slow • Traveling 4 leading 2 (4 + 2) |
| | 13:48 -PST 21:48-GMT | Position: 154° / 3528 m Direction: West; Behavior: Speed slow • Traveling |
| | 14:02 -PST 22:02-GMT | Position: 165° / 3528 m Direction: West; Behavior: Speed slow • Traveling |
| | 14:10 -PST 22:10-GMT | Position: 174° / 3528 m Direction: West; Behavior: Speed slow • Traveling |
| | 14:20 -PST 22:20-GMT | Position: 184° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | Mar 08 Day 16 of 90 | |
| Sighting Number 03 | Quality: Fair Beaufort: 1 | Total whales 3 — 0 calves at sighting |
| | 10:39 -PST 18:39-GMT | Position: 175° / 1106 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 04 | Quality: Fair Beaufort: 1 | Total whales 1 — 0 calves at sighting |
| | 10:56 -PST 18:56-GMT | Position: 137° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:02 -PST 19:02-GMT | Position: 151° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:07 -PST 19:07-GMT | Position: 173° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 07 Images: 4632-8 | Quality: Fair Beaufort: 1 | Total whales 1 — 0 calves at sighting |
| | 14:26 -PST 22:26-GMT | Position: 185° / 356 m Direction: West; Behavior: Speed slow • Speed slow • Traveling |
| | 14:27 -PST 22:27-GMT | Position: 209° / 489 m Direction: West; Behavior: Speed slow • Speed slow • Traveling |
| | 14:29 -PST 22:29-GMT | Position: 224° / 426 m Direction: West; Behavior: Speed slow • Traveling |
| | 14:32 -PST 22:32-GMT | Position: 254° / 661 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 08 | Quality: Fair Beaufort: 1 | Total whales 3 — 0 calves at sighting |
| | 14:51 -PST 22:51-GMT | Position: 172° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 14:54 -PST 22:54-GMT | Position: 178° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 14:58 -PST 22:58-GMT | Position: 182° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 15:10 -PST 23:10-GMT | Position: 195° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 15:17 -PST 23:17-GMT | Position: 204° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 09 Images: 4640-2 | Quality: Fair Beaufort: 1 | Total whales 1 — 0 calves at sighting |
| | 15:31 -PST 23:31-GMT | Position: 196° / 489 m Direction: West; Behavior: Speed slow • Traveling |
| | 15:35 -PST 23:35-GMT | Position: 249° / 539 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 10 | Quality: Fair Beaufort: 1 | Total whales 2 — 0 calves at sighting |
| | 15:56 -PST 23:56-GMT | Position: 217° / 3528 m Direction: West; Behavior: Speed slow • Traveling |
| | 15:59 -PST 23:59-GMT | Position: 222° / 3528 m Direction: West; Behavior: Speed slow • Traveling |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| | 16:04 -PST | 0:04; 3/9/2017-GMT | Position: 229° / 3528 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 11 | Quality: Fair | Total whales 1 — 0 calves at sighting | |
| Images: 4644-74 | Beaufort: 1 | | |
| | 16:21 -PST | 0:21; 3/9/2017-GMT | Position: 139° / 778 m Direction: West; Behavior: Speed slow • Traveling |
| | 16:23 -PST | 0:23; 3/9/2017-GMT | Position: 150° / 600 m Direction: West; Behavior: Speed slow • Traveling |
| | 16:30 -PST | 0:30; 3/9/2017-GMT | Position: 187° / 489 m Direction: West; Behavior: Speed slow • Traveling • Foraging |
| | Skimming at edge of kelp. Up for about a minute. | | |
| | 16:34 -PST | 0:34; 3/9/2017-GMT | Position: 229° / 539 m Direction: West; Behavior: Speed slow • Traveling • Foraging |
| | Skimming again, followed by a blow. | | |
| Sighting Number 12 | Quality: Fair | Total whales 4 — 0 calves at sighting | |
| | Beaufort: 1 | | |
| | 16:57 -PST | 0:57; 3/9/2017-GMT | Position: 212° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 17:01 -PST | 1:01; 3/9/2017-GMT | Position: 117° / 3088 m Direction: West; Behavior: Speed slow • Speed slow • Traveling |
| Mar 09 Day 17 of 90 Daily Totals whales 31 calves 0 | | | |
| Sighting Number 02 | Quality: Fair | Total whales 2 — 0 calves at sighting | |
| | Beaufort: 0 | | |
| | 09:18 -PST | 17:18-GMT | Position: 146° / 3528 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:28 -PST | 17:28-GMT | Position: 150° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:38 -PST | 17:38-GMT | Position: 162° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:48 -PST | 17:48-GMT | Position: 178° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 04 | Quality: Fair | Total whales 2 — 0 calves at sighting | |
| | Beaufort: 0 | | |
| | 09:59 -PST | 17:59-GMT | Position: 175° / 600 m Direction: West; Behavior: Speed slow • Speed slow • Traveling |
| | 10:01 -PST | 18:01-GMT | Position: 197° / 600 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 05 | Quality: Fair | Total whales 1 — 0 calves at sighting | |
| | Beaufort: 0 | | |
| | 09:59 -PST | 17:59-GMT | Position: 140° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 08 | Quality: Fair | Total whales 1 — 0 calves at sighting | |
| | Beaufort: 0 | | |
| | 10:36 -PST | 18:36-GMT | Position: 152° / 3528 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:03 -PST | 19:03-GMT | Position: 195° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 09 | Quality: Fair | Total whales 2 — 0 calves at sighting | |
| | Beaufort: 0 | | |
| | 10:42 -PST | 18:42-GMT | Position: 141° / 3528 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:48 -PST | 18:48-GMT | Position: 145° / 3528 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:56 -PST | 18:56-GMT | Position: 153° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:05 -PST | 19:05-GMT | Position: 166° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 11 | Quality: Fair | Total whales 1 — 0 calves at sighting | |
| | Beaufort: 0 | | |
| | 11:31 -PST | 19:31-GMT | Position: 166° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:39 -PST | 19:39-GMT | Position: 180° / 1483 m Direction: West; Behavior: Speed slow • Traveling |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| | | 11:44 -PST | 19:44-GMT | Position: 193° / 1403 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 12 | Quality: Fair Beaufort: 0 | | Total whales 1 — 0 calves at sighting | |
| | | 11:41 -PST | 19:41-GMT | Position: 187° / 2749 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 13 | Quality: Fair Beaufort: 0 | | Total whales 2 — 0 calves at sighting | |
| | | 11:45 -PST | 19:45-GMT | Position: 162° / 3528 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 12:19 -PST | 20:19-GMT | Position: 195° / 3528 m | Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number | 14 | Quality: Fair Beaufort: 0 | | Total whales 3 — 0 calves at sighting | |
| | | 11:51 -PST | 19:51-GMT | Position: 139° / 1331 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 11:53 -PST | 19:53-GMT | Position: 149° / 1106 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 12:00 -PST | 20:00-GMT | Position: 194° / 913 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 16 | Quality: Fair Beaufort: 0 | | Total whales 1 — 0 calves at sighting | |
| | | 13:33 -PST | 21:33-GMT | Position: 178° / 778 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 13:41 -PST | 21:41-GMT | Position: 224° / 913 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 17 | Quality: Fair Beaufort: 0 | | Total whales 2 — 0 calves at sighting | |
| | | 13:49 -PST | 21:49-GMT | Position: 152° / 2749 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 13:56 -PST | 21:56-GMT | Position: 160° / 2260 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 13:59 -PST | 21:59-GMT | Position: 171° / 2260 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 14:04 -PST | 22:04-GMT | Position: 187° / 1483 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 18 | Quality: Fair Beaufort: 0 | | Total whales 1 — 0 calves at sighting | |
| | | 13:54 -PST | 21:54-GMT | Position: 180° / 1922 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 14:02 -PST | 22:02-GMT | Position: 199° / 1674 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 20 | Quality: Fair Beaufort: 1 | | Total whales 1 — 0 calves at sighting | |
| | | 15:23 -PST | 23:23-GMT | Position: 204° / 1922 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 15:29 -PST | 23:29-GMT | Position: 224° / 1922 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 21 | Quality: Fair Beaufort: 1 | | Total whales 2 — 0 calves at sighting | |
| | | 16:17 -PST | 0:17; 3/10/2017-GMT | Position: 206° / 1674 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 16:27 -PST | 0:27; 3/10/2017-GMT | Position: 236° / 1922 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 23 | Quality: Fair Beaufort: 1 | | Total whales 2 — 0 calves at sighting | |
| | | 16:25 -PST | 0:25; 3/10/2017-GMT | Position: 230° / 3528 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 24 | Quality: Fair Beaufort: 1 Images: 4684-4713 | | Total whales 2 — 0 calves at sighting | |
| | | 16:35 -PST | 0:35; 3/10/2017-GMT | Position: 143° / 827 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 16:48 -PST | 0:48; 3/10/2017-GMT | Position: 146° / 678 m | Direction: West; Behavior: Speed slow • Traveling |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| | 16:52 -PST | 0:52; 3/10/2017-GMT | Position: 175° / 550 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 26 | Quality: Fair Beaufort: 1 | Total whales 2 — 0 calves at sighting |
| | 16:56 -PST | 0:56; 3/10/2017-GMT | Position: 143° / 913 m Direction: West; Behavior: Speed slow • Speed slow |
| | 16:59 -PST | 0:59; 3/10/2017-GMT | Position: 179° / 696 m Direction: West; Behavior: Speed slow • Traveling |
| | 17:03 -PST | 1:03; 3/10/2017-GMT | Position: 188° / 696 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 27 | Quality: Fair Beaufort: 1 | Total whales 3 — 0 calves at sighting |
| | 17:02 -PST | 1:02; 3/10/2017-GMT | Position: 177° / 1403 m Direction: West; Behavior: Speed slow • Traveling |
| Mar 10 | Day 18 of 90 | | Daily Totals whales 26 calves 0 |
| Sighting Number | 04 | Quality: Poor Beaufort: 0 | Total whales 2 — 0 calves at sighting |
| | 09:19 -PST | 17:19-GMT | Position: 149° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:26 -PST | 17:26-GMT | Position: 160° / 3088 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | 09:33 -PST | 17:33-GMT | Position: 170° / 3088 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number | 08 | Quality: Poor Beaufort: 0 | Total whales 2 — 0 calves at sighting |
| | 09:59 -PST | 17:59-GMT | Position: 143° / 3088 m Direction: West; Behavior: Speed slow • Traveling • Fluke <i>two flukes</i> |
| | 10:07 -PST | 18:07-GMT | Position: 149° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:23 -PST | 18:23-GMT | Position: 186° / 1922 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number | 10 | Quality: Poor Beaufort: 0 | Total whales 2 — 0 calves at sighting |
| | 10:14 -PST | 18:14-GMT | Position: 145° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:22 -PST | 18:22-GMT | Position: 154° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 12 | Quality: Poor Beaufort: 0 | Total whales 1 — 0 calves at sighting |
| | 10:58 -PST | 18:58-GMT | Position: 138° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 14 | Quality: Poor Beaufort: 0 | Total whales 1 — 0 calves at sighting |
| | 11:24 -PST | 19:24-GMT | Position: 136° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:30 -PST | 19:30-GMT | Position: 155° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:35 -PST | 19:35-GMT | Position: 170° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 15 | Quality: Poor Beaufort: 0 | Total whales 1 — 0 calves at sighting |
| | 11:36 -PST | 19:36-GMT | Position: 174° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:41 -PST | 19:41-GMT | Position: 201° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 17 | Quality: Poor Beaufort: 1 | Total whales 1 — 0 calves at sighting |
| | 12:35 -PST | 20:35-GMT | Position: 164° / 1208 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 19 | Quality: Poor Beaufort: 1 | Total whales 2 — 0 calves at sighting |
| | 12:50 -PST | 20:50-GMT | Position: 223° / 3528 m Direction: West; Behavior: Speed slow • Traveling |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| Sighting Number | 20 | Quality: Poor Beaufort: 1 | Total whales 1 — 0 calves at sighting |
| | | 12:51 -PST 20:51-GMT | Position: 226° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 21 | Quality: Poor Beaufort: 1 | Total whales 2 — 0 calves at sighting |
| | | 12:53 -PST 20:53-GMT | Position: 194° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | | 12:54 -PST 20:54-GMT | Position: 198° / 1403 m Direction: West; Behavior: Speed slow • Traveling • Rolling |
| | | 12:57 -PST 20:57-GMT | Position: 205° / 1483 m Direction: West; Behavior: Speed slow • Traveling • Rolling |
| Sighting Number | 22 | Quality: Poor Beaufort: 1 | Total whales 3 — 0 calves at sighting |
| | | 13:24 -PST 21:24-GMT | Position: 157° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | | 13:30 -PST 21:30-GMT | Position: 173° / 2260 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | | 13:33 -PST 21:33-GMT | Position: 185° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | | 13:36 -PST 21:36-GMT | Position: 194° / 2260 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number | 23 | Quality: Poor Beaufort: 1 | Total whales 2 — 0 calves at sighting |
| | | 13:45 -PST 21:45-GMT | Position: 187° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | | 13:53 -PST 21:53-GMT | Position: 191° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | | 13:59 -PST 21:59-GMT | Position: 188° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 24 | Quality: Poor Beaufort: 1 | Total whales 3 — 0 calves at sighting |
| | | 14:16 -PST 22:16-GMT | Position: 160° / 1674 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | | 14:23 -PST 22:23-GMT | Position: 187° / 1483 m Direction: West; Behavior: Speed slow • Traveling • Fluke • Rolling |
| | | 14:27 -PST 22:27-GMT | Position: 201° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | | 14:30 -PST 22:30-GMT | Position: 212° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 25 | Quality: Poor Beaufort: 1 | Total whales 1 — 0 calves at sighting |
| | | 14:18 -PST 22:18-GMT | Position: 175° / 550 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number | 26 | Quality: Poor Beaufort: 1 | Total whales 1 — 0 calves at sighting |
| | | 15:02 -PST 23:02-GMT | Position: 148° / 1331 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | | 15:10 -PST 23:10-GMT | Position: 179° / 1331 m Direction: West; Behavior: Speed slow • Traveling |
| | | 15:19 -PST 23:19-GMT | Position: 213° / 1208 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 28 | Quality: Poor Beaufort: 1 Images: 4716-8 | Total whales 1 — 0 calves at sighting |
| | | 16:08 -PST 0:08; 3/11/2017-GMT | Position: 138° / 600 m Direction: West; Behavior: Speed slow • Traveling |
| | | 16:16 -PST 0:16; 3/11/2017-GMT | Position: 197° / 489 m Direction: West; Behavior: Speed slow • Traveling |
| Mar 11 | Day 19 of 90 | Daily Totals whales 27 calves 0 | |
| Sighting Number | 01 | Quality: Fair Beaufort: 1 | Total whales 2 — 0 calves at sighting |
| | | 09:17 -PST 17:17-GMT | Position: 154° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | | 09:25 -PST 17:25-GMT | Position: 169° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | | 09:40 -PST 17:40-GMT | Position: 203° / 1922 m Direction: West; Behavior: Speed slow • Traveling |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| Sighting Number | 02 | Quality: Fair Beaufort: 0 | Total whales 1 — 0 calves at sighting |
| | | 10:02 -PST 18:02-GMT | Position: 169° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | | 10:09 -PST 18:09-GMT | Position: 192° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 03 | Quality: Fair Beaufort: 0 | Total whales 1 — 0 calves at sighting |
| | | 10:15 -PST 18:15-GMT | Position: 149° / 827 m Direction: West; Behavior: Speed slow • Traveling |
| | | 10:19 -PST 18:19-GMT | Position: 178° / 778 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 06 | Quality: Fair Beaufort: 0 | Total whales 1 — 0 calves at sighting |
| | | 11:47 -PST 19:47-GMT | Position: 177° / 2749 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | | 11:49 -PST 19:49-GMT | Position: 188° / 2260 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | | 11:52 -PST 19:52-GMT | Position: 197° / 2749 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number | 10 | Quality: Fair Beaufort: 1 | Total whales 1 — 0 calves at sighting |
| | | 13:18 -PST 21:18-GMT | Position: 177° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | | 13:22 -PST 21:22-GMT | Position: 187° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | | 13:44 -PST 21:44-GMT | Position: 198° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 11 | Quality: Fair Beaufort: 1 | Total whales 1 — 0 calves at sighting |
| | | 13:19 -PST 21:19-GMT | Position: 174° / 883 m Direction: West; Behavior: Speed slow • Traveling |
| | | 13:27 -PST 21:27-GMT | Position: 234° / 946 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 12 | Quality: Fair Beaufort: 1 | Total whales 1 — 0 calves at sighting |
| | | 13:21 -PST 21:21-GMT | Position: 182° / 946 m Direction: West; Behavior: Speed slow • Traveling |
| | | 13:26 -PST 21:26-GMT | Position: 187° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | | 13:29 -PST 21:29-GMT | Position: 191° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 14 | Quality: Fair Beaufort: 1 | Total whales 1 — 0 calves at sighting |
| | | 13:42 -PST 21:42-GMT | Position: 185° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 15 | Quality: Fair Beaufort: 1 | Total whales 1 — 0 calves at sighting |
| | | 13:43 -PST 21:43-GMT | Position: 175° / 735 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 16 | Quality: Fair Beaufort: 1 | Total whales 3 — 0 calves at sighting |
| | | 14:06 -PST 22:06-GMT | Position: 150° / 1403 m Direction: West; Behavior: Speed slow • Traveling |
| | | 14:14 -PST 22:14-GMT | Position: 184° / 1331 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number | 17 | Quality: Fair Beaufort: 1 | Total whales 4 — 0 calves at sighting |
| | | 14:20 -PST 22:20-GMT | Position: 126° / 1674 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | | 14:28 -PST 22:28-GMT | Position: 151° / 1403 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number | 18 | Quality: Fair Beaufort: 1 | Total whales 2 — 0 calves at sighting |
| | | 14:31 -PST 22:31-GMT | Position: 135° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| | | 14:49 -PST 22:49-GMT | Position: 222° / 1331 m Direction: West; Behavior: Speed slow • Traveling |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| Sighting Number | 19 | Quality: Fair | Total whales 2 — 0 calves at sighting |
| | | Beaufort: 1 | |
| | | 14:38 -PST 22:38-GMT | Position: 200° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 20 | Quality: Fair | Total whales 2 — 0 calves at sighting |
| | | Beaufort: 1 | |
| | | 15:12 -PST 23:12-GMT | Position: 127° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | | 15:33 -PST 23:33-GMT | Position: 168° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | | 15:35 -PST 23:35-GMT | Position: 176° / 1483 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number | 21 | Quality: Fair | Total whales 3 — 0 calves at sighting |
| | | Beaufort: 1 | |
| | | 16:50 -PST 0:50; 3/12/2017-GMT | Position: 132° / 1483 m Direction: West; Behavior: Speed slow • Traveling • Rolling |
| | | 16:55 -PST 0:55; 3/12/2017-GMT | Position: 142° / 1331 m Direction: West; Behavior: Speed slow • Traveling • Rolling |
| Sighting Number | 22 | Quality: Fair | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 1 | |
| | | 16:59 -PST 0:59; 3/12/2017-GMT | Position: 212° / 574 m Direction: West; Behavior: Speed slow • Traveling |
| Mar 16 | Day 24 of 90 | Daily Totals whales 41 calves 0 | |
| Sighting Number | 01 | Quality: Fair | Total whales 2 — 0 calves at sighting |
| | | Beaufort: 0 | |
| | | 09:00 -PDT 17:00-GMT | Position: 157° / 1922 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | | 09:01 -PDT 17:01-GMT | Position: 161° / 1922 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | | 09:07 -PDT 17:07-GMT | Position: 180° / 1922 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number | 02 | Quality: Fair | Total whales 2 — 0 calves at sighting |
| | | Beaufort: 0 | |
| | | 09:27 -PDT 17:27-GMT | Position: 145° / 1674 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | | 09:32 -PDT 17:32-GMT | Position: 159° / 1483 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | | 09:38 -PDT 17:38-GMT | Position: 178° / 1674 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number | 03 | Quality: Fair | Total whales 2 — 0 calves at sighting |
| | | Beaufort: 0 | |
| | | 09:28 -PDT 17:28-GMT | Position: 125° / 1483 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | | 09:34 -PDT 17:34-GMT | Position: 137° / 1208 m Direction: West; Behavior: Speed slow • Traveling |
| | | 09:36 -PDT 17:36-GMT | Position: 148° / 1106 m Direction: West; Behavior: Speed slow • Traveling |
| | | 09:42 -PDT 17:42-GMT | Position: 172° / 883 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 04 | Quality: Fair | Total whales 2 — 0 calves at sighting |
| | | Beaufort: 0 | |
| | | 09:33 -PDT 17:33-GMT | Position: 140° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| | | 09:39 -PDT 17:39-GMT | Position: 154° / 1483 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | | 09:43 -PDT 17:43-GMT | Position: 171° / 1483 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number | 05 | Quality: Fair | Total whales 2 — 0 calves at sighting |
| | | Beaufort: 0 | |
| | | 10:10 -PDT 18:10-GMT | Position: 137° / 1483 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | | 10:16 -PDT 18:16-GMT | Position: 148° / 913 m Direction: West; Behavior: Speed slow • Traveling |
| | | 10:21 -PDT 18:21-GMT | Position: 175° / 827 m Direction: West; Behavior: Speed slow • Traveling • Fluke |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| Sighting Number 06 | Quality: Fair Beaufort: 0 | Total whales 1 — 0 calves at sighting |
| | 10:18 -PDT 18:18-GMT | Position: 152° / 3528 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:26 -PDT 18:26-GMT | Position: 159° / 3528 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:35 -PDT 18:35-GMT | Position: 166° / 3528 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:41 -PDT 18:41-GMT | Position: 169° / 3528 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 07 | Quality: Fair Beaufort: 0 | Total whales 1 — 0 calves at sighting |
| | 10:31 -PDT 18:31-GMT | Position: 166° / 489 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:33 -PDT 18:33-GMT | Position: 185° / 550 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 08 | Quality: Fair Beaufort: 0 | Total whales 1 — 0 calves at sighting |
| | 10:43 -PDT 18:43-GMT | Position: 149° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:50 -PDT 18:50-GMT | Position: 171° / 1403 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 09 | Quality: Fair Beaufort: 0 | Total whales 1 — 0 calves at sighting |
| | 11:03 -PDT 19:03-GMT | Position: 140° / 1331 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number 11 | Quality: Fair Beaufort: 0 | Total whales 1 — 0 calves at sighting |
| | 11:17 -PDT 19:17-GMT | Position: 141° / 946 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:26 -PDT 19:26-GMT | Position: 179° / 883 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 12 | Quality: Fair Beaufort: 0 | Total whales 2 — 0 calves at sighting |
| | 11:22 -PDT 19:22-GMT | Position: 164° / 1106 m Direction: East; Behavior: Speed slow • Traveling • Foraging First southbound - round & round - then northbound |
| | 11:30 -PDT 19:30-GMT | Position: 163° / 1106 m Direction: Circling; Behavior: Speed slow • Traveling • Foraging |
| | 11:27 -PDT 19:27-GMT | Position: 138° / 946 m Direction: Circling; Behavior: Speed slow • Traveling • Foraging |
| | 11:33 -PDT 19:33-GMT | Position: 177° / 600 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | 11:40 -PDT 19:40-GMT | Position: 196° / 508 m Direction: West; Behavior: Speed slow • Traveling |
| | 12:05 -PDT 20:05-GMT | Position: 174° / 1208 m Direction: West; Behavior: Speed slow • Traveling • Foraging returned @ 1300 - 210/ 1.5 - circling, pointed west |
| Sighting Number 13 | Quality: Fair Beaufort: 0 | Total whales 2 — 0 calves at sighting |
| | 11:45 -PDT 19:45-GMT | Position: 183° / 1208 m Direction: nd; Behavior: Speed slow • Traveling • Foraging Similar to S#12 |
| | 11:48 -PDT 19:48-GMT | Position: 171° / 913 m Direction: nd; Behavior: Speed slow • Traveling • Foraging |
| | 10:58 -PDT 18:58-GMT | Position: 135° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| | 12:14 -PDT 20:14-GMT | Position: 152° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | 12:22 -PDT 20:22-GMT | Position: 171° / 1331 m Direction: West; Behavior: Speed slow • Traveling |
| | 12:30 -PDT 20:30-GMT | Position: 204° / 1208 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 14 | Quality: Fair Beaufort: 1 | Total whales 2 — 0 calves at sighting |
| | 12:48 -PDT 20:48-GMT | Position: 133° / 2260 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | 12:56 -PDT 20:56-GMT | Position: 154° / 1483 m Direction: West; Behavior: Speed slow • Traveling |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| | 13:02 -PDT | 21:02-GMT | Position: 189° / 1403 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 15 | Quality: Fair Beaufort: 1 | Total whales 1 — 0 calves at sighting |
| | 12:51 -PDT | 20:51-GMT | Position: 164° / 946 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | 12:57 -PDT | 20:57-GMT | Position: 190° / 827 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 16 | Quality: Fair Beaufort: 1 | Total whales 1 — 0 calves at sighting |
| | 13:09 -PDT | 21:09-GMT | Position: 137° / 913 m Direction: West; Behavior: Speed slow • Traveling |
| | 13:15 -PDT | 21:15-GMT | Position: 178° / 629 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 17 | Quality: Fair Beaufort: 1 | Total whales 2 — 0 calves at sighting |
| | 13:17 -PDT | 21:17-GMT | Position: 144° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | 13:23 -PDT | 21:23-GMT | Position: 160° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | 13:29 -PDT | 21:29-GMT | Position: 174° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 18 | Quality: Fair Beaufort: 1 | Total whales 1 — 0 calves at sighting |
| | 13:53 -PDT | 21:53-GMT | Position: 136° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | 14:01 -PDT | 22:01-GMT | Position: 162° / 1208 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 19 | Quality: Fair Beaufort: 2 | Total whales 1 — 0 calves at sighting |
| | 14:20 -PDT | 22:20-GMT | Position: 142° / 1403 m Direction: West; Behavior: Speed slow • Traveling |
| | 14:23 -PDT | 22:23-GMT | Position: 152° / 1331 m Direction: West; Behavior: Speed slow • Traveling |
| | 14:29 -PDT | 22:29-GMT | Position: 181° / 946 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 21 | Quality: Fair Beaufort: 2 | Total whales 1 — 0 calves at sighting |
| | 15:07 -PDT | 23:07-GMT | Position: 142° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | 15:14 -PDT | 23:14-GMT | Position: 161° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 23 | Quality: Fair Beaufort: 2 | Total whales 2 — 0 calves at sighting |
| | 15:20 -PDT | 23:20-GMT | Position: 147° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | 15:24 -PDT | 23:24-GMT | Position: 155° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| | 15:28 -PDT | 23:28-GMT | Position: 172° / 1403 m Direction: West; Behavior: Speed slow • Traveling • Breach |
| | 15:31 -PDT | 23:31-GMT | Position: 184° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 25 | Quality: Fair Beaufort: 2 | Total whales 2 — 0 calves at sighting |
| | 15:41 -PDT | 23:41-GMT | Position: 147° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| | 15:48 -PDT | 23:48-GMT | Position: 165° / 1403 m Direction: West; Behavior: Speed slow • Traveling |
| | 15:53 -PDT | 23:53-GMT | Position: 190° / 1331 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 26 | Quality: Fair Beaufort: 2 | Total whales 2 — 0 calves at sighting |
| | 15:54 -PDT | 23:54-GMT | Position: 138° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 16:02 -PDT | 0:02; 3/17/2017-GMT | Position: 149° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | 16:16 -PDT | 0:16; 3/17/2017-GMT | Position: 177° / 2260 m Direction: West; Behavior: Speed slow • Traveling |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| Sighting Number 27 Images: 4799-4828 | Quality: Fair | Total whales 4 — 0 calves at sighting |
| | Beaufort: 2 | |
| | 16:05 -PDT 0:05; 3/17/2017-GMT | Position: 138° / 1331 m Direction: West; Behavior: Speed slow • Traveling |
| | 16:08 -PDT 0:08; 3/17/2017-GMT | Position: 150° / 946 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | 16:08 -PDT 0:08; 3/17/2017-GMT | Position: 150° / 946 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | 16:12 -PDT 0:12; 3/17/2017-GMT | Position: 179° / 827 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| 16:15 -PDT 0:15; 3/17/2017-GMT | Position: 198° / 696 m Direction: West; Behavior: Speed slow • Traveling | |
| Sighting Number 29 | Quality: Fair | Total whales 1 — 0 calves at sighting |
| | Beaufort: 2 | |
| 16:34 -PDT 0:34; 3/17/2017-GMT | Position: 144° / 1674 m Direction: West; Behavior: Speed slow • Traveling | |
| Sighting Number 30 | Quality: Fair | Total whales 2 — 0 calves at sighting |
| | Beaufort: 2 | |
| 16:37 -PDT 0:37; 3/17/2017-GMT | Position: 183° / 1674 m Direction: West; Behavior: Speed slow • Traveling | |
| Mar 18 | Day 26 of 90 | Daily Totals whales 42 calves 0 |
| Sighting Number 01 | Quality: Poor | Total whales 1 — 0 calves at sighting |
| | Beaufort: 1 | |
| | 08:45 -PDT 16:45-GMT | Position: 163° / 946 m Direction: West; Behavior: Speed slow • Traveling |
| 08:50 -PDT 16:50-GMT | Position: 204° / 778 m Direction: West; Behavior: Speed slow • Traveling | |
| Sighting Number 02 | Quality: Poor | Total whales 1 — 0 calves at sighting |
| | Beaufort: 1 | |
| 08:56 -PDT 16:56-GMT | Position: 196° / 1106 m Direction: West; Behavior: Speed slow • Traveling | |
| Sighting Number 04 | Quality: Poor | Total whales 1 — 0 calves at sighting |
| | Beaufort: 1 | |
| | 08:58 -PDT 16:58-GMT | Position: 158° / 678 m Direction: West; Behavior: Speed slow • Traveling |
| 09:03 -PDT 17:03-GMT | Position: 185° / 574 m Direction: West; Behavior: Speed slow • Traveling • Fluke | |
| Sighting Number 07 | Quality: Poor | Total whales 1 — 0 calves at sighting |
| | Beaufort: 1 | |
| 09:41 -PDT 17:41-GMT | Position: 145° / 883 m Direction: West; Behavior: Speed slow • Traveling | |
| Sighting Number 08 | Quality: Poor | Total whales 2 — 0 calves at sighting |
| | Beaufort: 2 | |
| | 09:52 -PDT 17:52-GMT | Position: 141° / 2260 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | 10:00 -PDT 18:00-GMT | Position: 160° / 2260 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| 10:08 -PDT 18:08-GMT | Position: 185° / 1922 m Direction: West; Behavior: Speed slow • Traveling | |
| Sighting Number 09 | Quality: Poor | Total whales 1 — 0 calves at sighting |
| | Beaufort: 2 | |
| | 10:03 -PDT 18:03-GMT | Position: 152° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:14 -PDT 18:14-GMT | Position: 161° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| 10:21 -PDT 18:21-GMT | Position: 194° / 1331 m Direction: West; Behavior: Speed slow • Traveling | |
| Sighting Number 10 | Quality: Poor | Total whales 1 — 0 calves at sighting |
| | Beaufort: 2 | |
| 10:13 -PDT 18:13-GMT | Position: 196° / 946 m Direction: West; Behavior: Speed slow • Traveling | |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| Sighting Number 13 | Quality: Poor Beaufort: 2 | Total whales 1 — 0 calves at sighting |
| | 10:48 -PDT 18:48-GMT | Position: 163° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 14 | Quality: Poor Beaufort: 2 | Total whales 1 — 0 calves at sighting |
| | 10:56 -PDT 18:56-GMT | Position: 140° / 678 m Direction: West; Behavior: Speed slow • Traveling • Fluke just off kelp |
| | 11:01 -PDT 19:01-GMT | Position: 145° / 661 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 15 | Quality: Poor Beaufort: 2 | Total whales 2 — 0 calves at sighting |
| | 11:15 -PDT 19:15-GMT | Position: 158° / 1483 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | 11:27 -PDT 19:27-GMT | Position: 205° / 1106 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 16 | Quality: Poor Beaufort: 1 | Total whales 1 — 0 calves at sighting |
| | 11:17 -PDT 19:17-GMT | Position: 147° / 1208 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | 11:22 -PDT 19:22-GMT | Position: 185° / 883 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number 19 | Quality: Poor Beaufort: 1 | Total whales 2 — 0 calves at sighting |
| | 11:50 -PDT 19:50-GMT | Position: 139° / 1020 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:53 -PDT 19:53-GMT | Position: 156° / 946 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number 20 | Quality: Poor Beaufort: 1 | Total whales 1 — 0 calves at sighting |
| | 12:43 -PDT 20:43-GMT | Position: 227° / 883 m Direction: West; Behavior: Speed slow • Traveling observer saw sighting earlier @ 175 outside kelp |
| | | |
| Sighting Number 22 | Quality: Fair Beaufort: 2 | Total whales 1 — 0 calves at sighting |
| | 14:16 -PDT 22:16-GMT | Position: 224° / 2260 m Direction: West; Behavior: Speed slow • Traveling Passed inside Holly |
| Sighting Number 23 | Quality: Fair Beaufort: 2 | Total whales 1 — 0 calves at sighting |
| | 14:20 -PDT 22:20-GMT | Position: 164° / 661 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 25 | Quality: Fair Beaufort: 2 | Total whales 2 — 0 calves at sighting |
| | 14:44 -PDT 22:44-GMT | Position: 195° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 26 | Quality: Fair Beaufort: 2 | Total whales 3 — 0 calves at sighting |
| | 14:51 -PDT 22:51-GMT | Position: 177° / 2749 m Direction: West; Behavior: Speed slow • Traveling • Fluke • Rolling |
| | 14:54 -PDT 22:54-GMT | Position: 183° / 2749 m Direction: West; Behavior: Speed slow • Traveling • Rolling • Chalking S#26 & S#27 joined before passing Holly |
| Sighting Number 27 | Quality: Fair Beaufort: 1 | Total whales 2 — 0 calves at sighting |
| | 14:52 -PDT 22:52-GMT | Position: 173° / 3528 m Direction: West; Behavior: Speed slow • Traveling • Fluke S#26 & S#27 joined before Holly |
| Sighting Number 28 | Quality: Fair Beaufort: 1 | Total whales 3 — 0 calves at sighting |
| | 14:59 -PDT 22:59-GMT | Position: 181° / 1106 m Direction: West; Behavior: Speed slow • Traveling • Fluke |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| Sighting Number | 29 | Quality: Fair Beaufort: 1 | Total whales 2 — 0 calves at sighting |
| | | 15:13 -PDT 23:13-GMT | Position: 195° / 1020 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 30 | Quality: Fair Beaufort: 1 | Total whales 4 — 0 calves at sighting |
| | | 15:38 -PDT 23:38-GMT | Position: 131° / 1674 m Direction: West; Behavior: Speed slow • Traveling • Rolling |
| | | 15:45 -PDT 23:45-GMT | Position: 134° / 1922 m Direction: West; Behavior: Speed slow • Traveling • Rolling • Sharking |
| Sighting Number | 31 | Quality: Fair Beaufort: 1 | Total whales 1 — 0 calves at sighting |
| | | 15:48 -PDT 23:48-GMT | Position: 139° / 913 m Direction: West; Behavior: Speed slow • Traveling |
| | | 16:12 -PDT 0:12; 3/19/2017-GMT | Position: 208° / 913 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 33 | Quality: Fair Beaufort: 1 | Total whales 1 — 0 calves at sighting |
| | | 16:25 -PDT 0:25; 3/19/2017-GMT | Position: 182° / 946 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number | 34 | Quality: Fair Beaufort: 1 | Total whales 2 — 0 calves at sighting |
| | | 16:29 -PDT 0:29; 3/19/2017-GMT | Position: 140° / 1106 m Direction: West; Behavior: Speed slow • Traveling |
| | | 16:36 -PDT 0:36; 3/19/2017-GMT | Position: 155° / 946 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 35 | Quality: Fair Beaufort: 1 | Total whales 3 — 0 calves at sighting |
| | | 16:35 -PDT 0:35; 3/19/2017-GMT | Position: 176° / 778 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number | 36 | Quality: Fair Beaufort: 1 | Total whales 1 — 0 calves at sighting |
| | | 16:52 -PDT 0:52; 3/19/2017-GMT | Position: 181° / 946 m Direction: West; Behavior: Speed slow • Traveling |

Mar 19 Day 27 of 90

Daily Totals whales 22 calves 0

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| Sighting Number | 02 | Quality: Poor Beaufort: 1 | Total whales 3 — 0 calves at sighting |
| | | 09:19 -PDT 17:19-GMT | Position: 175° / 1208 m Direction: West; Behavior: Speed slow • Traveling amid many dolphins (Dsp) |
| | | 09:21 -PDT 17:21-GMT | Position: 191° / 946 m Direction: West; Behavior: Speed slow • Traveling • Rolling • Sharking |
| | | 09:23 -PDT 17:23-GMT | Position: 196° / 946 m Direction: West; Behavior: Speed slow • Traveling • Rolling • Sharking |
| Sighting Number | 03 | Quality: Poor Beaufort: 1 | Total whales 2 — 0 calves at sighting |
| | | 10:04 -PDT 18:04-GMT | Position: 126° / 2260 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | | 10:13 -PDT 18:13-GMT | Position: 144° / 2260 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | | 10:22 -PDT 18:22-GMT | Position: 178° / 1483 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number | 05 | Quality: Poor Beaufort: 1 | Total whales 2 — 0 calves at sighting |
| | | 10:36 -PDT 18:36-GMT | Position: 137° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | | 10:47 -PDT 18:47-GMT | Position: 164° / 2260 m Direction: West; Behavior: Speed slow • Traveling • Rolling |
| | | 10:56 -PDT 18:56-GMT | Position: 187° / 1922 m Direction: West; Behavior: Speed slow • Traveling |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| Sighting Number | 06 | Quality: Poor | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 1 | |
| | | 10:49 -PDT 18:49-GMT | Position: 161° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | | 10:50 -PDT 18:50-GMT | Position: 185° / 2260 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number | 07 | Quality: Poor | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 1 | |
| | | 11:20 -PDT 19:20-GMT | Position: 195° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 09 | Quality: Poor | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 1 | |
| | | 11:44 -PDT 19:44-GMT | Position: 153° / 778 m Direction: West; Behavior: Speed slow • Traveling |
| | | 11:46 -PDT 19:46-GMT | Position: 170° / 735 m Direction: West; Behavior: Speed slow • Traveling |
| | | 11:50 -PDT 19:50-GMT | Position: 213° / 661 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 10 | Quality: Poor | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 1 | |
| | | 11:54 -PDT 19:54-GMT | Position: 152° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | | 12:05 -PDT 20:05-GMT | Position: 175° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 14 | Quality: Poor | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 0 | |
| | | 14:11 -PDT 22:11-GMT | Position: 132° / 1331 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | | 14:23 -PDT 22:23-GMT | Position: 224° / 883 m Direction: West; Behavior: Speed slow • Traveling • Foraging skimming |
| Sighting Number | 16 | Quality: Fair | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 2 | |
| | | 15:28 -PDT 23:28-GMT | Position: 153° / 3088 m Direction: West; Behavior: Speed slow • Traveling • Breach a couple of minutes after several Er breaches, 2 Mn showed up with Tail lobes + many tail slaps |
| Sighting Number | 17 | Quality: Fair | Total whales 3 — 0 calves at sighting |
| | | Beaufort: 2 | |
| | | 15:39 -PDT 23:39-GMT | Position: 156° / 1208 m Direction: West; Behavior: Speed slow • Traveling • Rolling |
| | | 15:48 -PDT 23:48-GMT | Position: 185° / 1208 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number | 21 | Quality: Fair | Total whales 4 — 0 calves at sighting |
| | | Beaufort: 2 | |
| | | 16:36 -PDT 0:36; 3/20/2017-GMT | Position: 122° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | | 16:48 -PDT 0:48; 3/20/2017-GMT | Position: 147° / 1403 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number | 22 | Quality: Fair | Total whales 2 — 0 calves at sighting |
| | | Beaufort: 2 | |
| | | 16:39 -PDT 0:39; 3/20/2017-GMT | Position: 127° / 735 m Direction: West; Behavior: Speed slow • Traveling |
| | | 16:49 -PDT 0:49; 3/20/2017-GMT | Position: 232° / 489 m Direction: West; Behavior: Speed slow • Traveling |
| Mar 20 | Day 28 of 90 | Daily Totals whales 50 calves 0 | |
| Sighting Number | 04 | Quality: Fair | Total whales 2 — 0 calves at sighting |
| | | Beaufort: 0 | |
| | | 09:15 -PDT 17:15-GMT | Position: 119° / 1922 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | | 09:23 -PDT 17:23-GMT | Position: 132° / 2260 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | | 09:30 -PDT 17:30-GMT | Position: 149° / 2260 m Direction: West; Behavior: Speed slow • Traveling • Fluke |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| Sighting Number 05 | Quality: Fair Beaufort: 0 | Total whales 1 — 0 calves at sighting |
| | 09:19 -PDT 17:19-GMT | Position: 149° / 827 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:24 -PDT 17:24-GMT | Position: 164° / 778 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 06 | Quality: Fair Beaufort: 0 | Total whales 2 — 0 calves at sighting |
| | 09:27 -PDT 17:27-GMT | Position: 129° / 735 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:29 -PDT 17:29-GMT | Position: 149° / 661 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:30 -PDT 17:30-GMT | Position: 171° / 550 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:35 -PDT 17:35-GMT | Position: 231° / 550 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 07 | Quality: Fair Beaufort: 0 | Total whales 2 — 0 calves at sighting |
| | 09:41 -PDT 17:41-GMT | Position: 155° / 1020 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:42 -PDT 17:42-GMT | Position: 180° / 678 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number 08 | Quality: Fair Beaufort: 0 | Total whales 1 — 0 calves at sighting |
| | 09:50 -PDT 17:50-GMT | Position: 124° / 883 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:58 -PDT 17:58-GMT | Position: 163° / 539 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:06 -PDT 18:06-GMT | Position: 195° / 508 m Direction: West; Behavior: Speed slow • Traveling • Foraging |
| Sighting Number 10 | Quality: Fair Beaufort: 0 | Total whales 1 — 0 calves at sighting |
| | 10:26 -PDT 18:26-GMT | Position: 137° / 1106 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:33 -PDT 18:33-GMT | Position: 188° / 735 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 11 Images: 5091-2 | Quality: Fair Beaufort: 2 | Total whales 1 — 0 calves at sighting |
| | 10:49 -PDT 18:49-GMT | Position: 124° / 913 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:52 -PDT 18:52-GMT | Position: 139° / 678 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:55 -PDT 18:55-GMT | Position: 154° / 600 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 12 | Quality: Fair Beaufort: 2 | Total whales 3 — 0 calves at sighting |
| | 11:02 -PDT 19:02-GMT | Position: 132° / 2260 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | 11:06 -PDT 19:06-GMT | Position: 141° / 1208 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | 11:13 -PDT 19:13-GMT | Position: 180° / 827 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number 13 | Quality: Fair Beaufort: 2 | Total whales 2 — 0 calves at sighting |
| | 11:05 -PDT 19:05-GMT | Position: 129° / 2749 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | 11:08 -PDT 19:08-GMT | Position: 133° / 1922 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | 11:11 -PDT 19:11-GMT | Position: 144° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:15 -PDT 19:15-GMT | Position: 157° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 14 | Quality: Fair Beaufort: 2 | Total whales 4 — 0 calves at sighting |
| | 11:16 -PDT 19:16-GMT | Position: 162° / 3088 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number 15 | Quality: Fair Beaufort: 0 | Total whales 4 — 0 calves at sighting |
| | 11:18 -PDT 19:18-GMT | Position: 151° / 1922 m Direction: West; Behavior: Speed slow • Traveling • Fluke |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| | 11:22 -PDT | 19:22-GMT | Position: 158° / 1922 m Direction: West; Behavior: Speed slow • Traveling • Fluke • Rolling |
| | Sharking | | |
| | 11:38 -PDT | 19:38-GMT | Position: 166° / 1922 m Direction: West; Behavior: Speed slow • Traveling • Fluke • Rolling |
| | Shrking | | |
| Sighting Number | 16 | Quality: Fair Beaufort: 0 | Total whales 2 — 0 calves at sighting |
| | 11:27 -PDT | 19:27-GMT | Position: 149° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:36 -PDT | 19:36-GMT | Position: 179° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 17 | Quality: Fair Beaufort: 0 | Total whales 3 — 0 calves at sighting |
| | 11:35 -PDT | 19:35-GMT | Position: 138° / 2260 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | 11:38 -PDT | 19:38-GMT | Position: 145° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:42 -PDT | 19:42-GMT | Position: 155° / 1674 m Direction: West; Behavior: Speed slow • Traveling • Fluke • Rolling |
| | 11:48 -PDT | 19:48-GMT | Position: 182° / 1483 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number | 18 | Quality: Fair Beaufort: 2 | Total whales 2 — 0 calves at sighting |
| | 12:33 -PDT | 20:33-GMT | Position: 113° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 12:45 -PDT | 20:45-GMT | Position: 131° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | 12:50 -PDT | 20:50-GMT | Position: 147° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | 12:59 -PDT | 20:59-GMT | Position: 197° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 20 | Quality: Fair Beaufort: 1 | Total whales 1 — 0 calves at sighting |
| | 13:11 -PDT | 21:11-GMT | Position: 147° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | 13:27 -PDT | 21:27-GMT | Position: 180° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 13:31 -PDT | 21:31-GMT | Position: 186° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 21 | Quality: Fair Beaufort: 1 | Total whales 1 — 0 calves at sighting |
| | 13:17 -PDT | 21:17-GMT | Position: 138° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | 13:29 -PDT | 21:29-GMT | Position: 170° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| | 13:32 -PDT | 21:32-GMT | Position: 182° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 22 | Quality: Fair Beaufort: 1 | Total whales 1 — 0 calves at sighting |
| | 13:40 -PDT | 21:40-GMT | Position: 133° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | 13:45 -PDT | 21:45-GMT | Position: 144° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| | 13:59 -PDT | 21:59-GMT | Position: 188° / 946 m Direction: West; Behavior: Speed slow • Traveling |
| | 14:02 -PDT | 22:02-GMT | Position: 188° / 946 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 23 | Quality: Fair Beaufort: 1 | Total whales 2 — 0 calves at sighting |
| | 13:48 -PDT | 21:48-GMT | Position: 135° / 3088 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | 13:54 -PDT | 21:54-GMT | Position: 142° / 2749 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | 14:07 -PDT | 22:07-GMT | Position: 169° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 24 | Quality: Fair Beaufort: 1 | Total whales 1 — 0 calves at sighting |
| | 13:53 -PDT | 21:53-GMT | Position: 139° / 1483 m Direction: West; Behavior: Speed slow • Traveling • Breach |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| | 14:04 -PDT | 22:04-GMT | Position: 152° / 1331 m Direction: West; Behavior: Speed slow • Traveling |
| | 14:08 -PDT | 22:08-GMT | Position: 181° / 946 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 25 | Quality: Fair Beaufort: 1 | Total whales 2 — 0 calves at sighting |
| | 14:05 -PDT | 22:05-GMT | Position: 139° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | 14:08 -PDT | 22:08-GMT | Position: 149° / 1674 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | 14:11 -PDT | 22:11-GMT | Position: 161° / 1483 m Direction: West; Behavior: Speed slow • Traveling • Fluke • Rollina |
| | 14:17 -PDT | 22:17-GMT | Position: 193° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 31 | Quality: Fair Beaufort: 1 | Total whales 1 — 0 calves at sighting |
| | 15:14 -PDT | 23:14-GMT | Position: 136° / 1403 m Direction: West; Behavior: Speed slow • Traveling |
| | 15:35 -PDT | 23:35-GMT | Position: 185° / 946 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 32 | Quality: Fair Beaufort: 1 | Total whales 3 — 0 calves at sighting |
| | 15:37 -PDT | 23:37-GMT | Position: 140° / 3088 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | 15:41 -PDT | 23:41-GMT | Position: 145° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | 15:47 -PDT | 23:47-GMT | Position: 156° / 1922 m Direction: West; Behavior: Speed slow • Traveling • Fluke • Rollina |
| | 15:55 -PDT | 23:55-GMT | Position: 179° / 1922 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number | 33 | Quality: Fair Beaufort: 1 | Total whales 1 — 0 calves at sighting |
| | 15:44 -PDT | 23:44-GMT | Position: 176° / 778 m Direction: West; Behavior: Speed slow • Traveling |
| | 15:58 -PDT | 23:58-GMT | Position: 195° / 778 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 34 | Quality: Fair Beaufort: 1 | Total whales 4 — 0 calves at sighting |
| | 15:53 -PDT | 23:53-GMT | Position: 155° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | 15:57 -PDT | 23:57-GMT | Position: 164° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | 16:00 -PDT | 0:00; 3/21/2017-GMT | Position: 180° / 1922 m Direction: West; Behavior: Speed slow • Traveling • Fluke • Breach |
| | 16:04 -PDT | 0:04; 3/21/2017-GMT | Position: 212° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 35 | Quality: Fair Beaufort: 1 | Total whales 2 — 0 calves at sighting |
| | 16:12 -PDT | 0:12; 3/21/2017-GMT | Position: 155° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | 16:21 -PDT | 0:21; 3/21/2017-GMT | Position: 189° / 1403 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 36 | Quality: Fair Beaufort: 1 | Total whales 1 — 0 calves at sighting |
| | 16:23 -PDT | 0:23; 3/21/2017-GMT | Position: 142° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | 16:29 -PDT | 0:29; 3/21/2017-GMT | Position: 155° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | 16:37 -PDT | 0:37; 3/21/2017-GMT | Position: 179° / 1922 m Direction: West; Behavior: Speed slow • Traveling |

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Daily Totals whales 22 calves 0

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| Sighting Number | 01 | Quality: Fair Beaufort: 1 | Total whales 1 — 0 calves at sighting |
| | | 09:03 -PDT 17:03-GMT | Position: 166° / 550 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 02 | Quality: Fair Beaufort: 1 | Total whales 3 — 0 calves at sighting |
| | | 09:07 -PDT 17:07-GMT | Position: 146° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | | 09:14 -PDT 17:14-GMT | Position: 166° / 2749 m Direction: West; Behavior: Speed slow • Traveling Lots of Dsp - Long downtime for Er |
| | | 09:20 -PDT 17:20-GMT | Position: 168° / 2749 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| 09:28 -PDT 17:28-GMT | Position: 205° / 1922 m Direction: West; Behavior: Speed slow • Traveling | | |
| Sighting Number | 06 | Quality: Fair Beaufort: 4 | Total whales 3 — 0 calves at sighting |
| | | 10:36 -PDT 18:36-GMT | Position: 150° / 3528 m Direction: West; Behavior: Speed slow • Traveling |
| | | 10:40 -PDT 18:40-GMT | Position: 157° / 3528 m Direction: West; Behavior: Speed slow • Traveling |
| | | 10:51 -PDT 18:51-GMT | Position: 170° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 07 | Quality: Poor Beaufort: 4 | Total whales 2 — 0 calves at sighting |
| | | 10:59 -PDT 18:59-GMT | Position: 146° / 1331 m Direction: West; Behavior: Speed slow • Traveling |
| | | 11:06 -PDT 19:06-GMT | Position: 192° / 946 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 08 | Quality: Poor Beaufort: 4 | Total whales 2 — 0 calves at sighting |
| | | 11:08 -PDT 19:08-GMT | Position: 152° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | | 11:21 -PDT 19:21-GMT | Position: 191° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 09 | Quality: Poor Beaufort: 4 | Total whales 1 — 0 calves at sighting |
| | | 11:36 -PDT 19:36-GMT | Position: 146° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | | 11:41 -PDT 19:41-GMT | Position: 182° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 10 | Quality: Poor Beaufort: 4 | Total whales 2 — 0 calves at sighting |
| | | 11:37 -PDT 19:37-GMT | Position: 132° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| | | 11:44 -PDT 19:44-GMT | Position: 147° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | | 11:51 -PDT 19:51-GMT | Position: 174° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 12 | Quality: Poor Beaufort: 4 | Total whales 1 — 0 calves at sighting |
| | | 12:18 -PDT 20:18-GMT | Position: 127° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | | 12:26 -PDT 20:26-GMT | Position: 134° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | | 12:36 -PDT 20:36-GMT | Position: 162° / 1208 m Direction: West; Behavior: Speed slow • Traveling |
| | | 12:42 -PDT 20:42-GMT | Position: 197° / 883 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 13 | Quality: Poor Beaufort: 4 | Total whales 3 — 0 calves at sighting |
| | | 12:44 -PDT 20:44-GMT | Position: 140° / 1483 m Direction: West; Behavior: Speed slow • Traveling 2 + 1 |
| | | 12:50 -PDT 20:50-GMT | Position: 157° / 1331 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 14 | Quality: Poor Beaufort: 4 | Total whales 1 — 0 calves at sighting |
| | | 13:08 -PDT 21:08-GMT | Position: 177° / 1403 m Direction: West; Behavior: Speed slow • Traveling |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| Sighting Number 15 | Quality: Poor Beaufort: 4 | Total whales 1 — 0 calves at sighting |
| | 13:17 -PDT 21:17-GMT | Position: 165° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| | 13:25 -PDT 21:25-GMT | Position: 185° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 16 | Quality: Poor Beaufort: 4 | Total whales 2 — 0 calves at sighting |
| | 13:32 -PDT 21:32-GMT | Position: 183° / 1403 m Direction: West; Behavior: Speed slow • Traveling |
| | 13:39 -PDT 21:39-GMT | Position: 223° / 1020 m Direction: West; Behavior: Speed slow • Traveling |
| Mar 23 | Day 31 of 90 | Daily Totals whales 22 calves 0 |
| Sighting Number 01 | Quality: Poor Beaufort: 4 | Total whales 1 — 0 calves at sighting |
| | 08:51 -PDT 16:51-GMT | Position: 196° / 1020 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 02 | Quality: Poor Beaufort: 4 | Total whales 2 — 0 calves at sighting |
| | 08:54 -PDT 16:54-GMT | Position: 139° / 1922 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | 09:06 -PDT 17:06-GMT | Position: 167° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:10 -PDT 17:10-GMT | Position: 186° / 1208 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 03 | Quality: Poor Beaufort: 4 | Total whales 2 — 0 calves at sighting |
| | 08:54 -PDT 16:54-GMT | Position: 132° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:05 -PDT 17:05-GMT | Position: 160° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:11 -PDT 17:11-GMT | Position: 202° / 1331 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 04 | Quality: Poor Beaufort: 4 | Total whales 1 — 0 calves at sighting |
| | 09:00 -PDT 17:00-GMT | Position: 193° / 827 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 05 | Quality: Poor Beaufort: 4 | Total whales 1 — 0 calves at sighting |
| | 09:20 -PDT 17:20-GMT | Position: 119° / 1331 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:24 -PDT 17:24-GMT | Position: 127° / 1106 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:27 -PDT 17:27-GMT | Position: 146° / 735 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 06 | Quality: Poor Beaufort: 4 | Total whales 2 — 0 calves at sighting |
| | 09:36 -PDT 17:36-GMT | Position: 123° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:44 -PDT 17:44-GMT | Position: 132° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:52 -PDT 17:52-GMT | Position: 146° / 1674 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number 07 | Quality: Poor Beaufort: 4 | Total whales 1 — 0 calves at sighting |
| | 09:45 -PDT 17:45-GMT | Position: 124° / 1922 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | 09:50 -PDT 17:50-GMT | Position: 138° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:57 -PDT 17:57-GMT | Position: 175° / 1208 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 08 | Quality: Poor Beaufort: 4 | Total whales 2 — 0 calves at sighting |
| | 09:51 -PDT 17:51-GMT | Position: 146° / 1020 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:54 -PDT 17:54-GMT | Position: 182° / 778 m Direction: West; Behavior: Speed slow • Traveling |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| Sighting Number 09 | Quality: Poor Beaufort: 4 | Total whales 1 — 0 calves at sighting |
| | 10:12 -PDT 18:12-GMT | Position: 148° / 883 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:15 -PDT 18:15-GMT | Position: 173° / 1020 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:18 -PDT 18:18-GMT | Position: 198° / 883 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 10 | Quality: Poor Beaufort: 4 | Total whales 1 — 0 calves at sighting |
| | 10:21 -PDT 18:21-GMT | Position: 134° / 946 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:22 -PDT 18:22-GMT | Position: 145° / 913 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 11 | Quality: Fair Beaufort: 3 | Total whales 2 — 0 calves at sighting |
| | 10:41 -PDT 18:41-GMT | Position: 144° / 1331 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:44 -PDT 18:44-GMT | Position: 155° / 1020 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:46 -PDT 18:46-GMT | Position: 172° / 1208 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 12 | Quality: Fair Beaufort: 3 | Total whales 1 — 0 calves at sighting |
| | 11:08 -PDT 19:08-GMT | Position: 119° / 1106 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:11 -PDT 19:11-GMT | Position: 124° / 913 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:16 -PDT 19:16-GMT | Position: 154° / 696 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 13 Images: 5175 | Quality: Fair Beaufort: 4 | Total whales 1 — 0 calves at sighting |
| | 11:13 -PDT 19:13-GMT | Position: 120° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:22 -PDT 19:22-GMT | Position: 144° / 1331 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 14 | Quality: Fair Beaufort: 4 | Total whales 1 — 0 calves at sighting |
| | 11:44 -PDT 19:44-GMT | Position: 167° / 1106 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:49 -PDT 19:49-GMT | Position: 199° / 1403 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 15 | Quality: Fair Beaufort: 4 | Total whales 1 — 0 calves at sighting |
| | 11:46 -PDT 19:46-GMT | Position: 178° / 696 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 16 | Quality: Fair Beaufort: 4 | Total whales 2 — 0 calves at sighting |
| | 12:01 -PDT 20:01-GMT | Position: 114° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | 12:06 -PDT 20:06-GMT | Position: 120° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | 12:10 -PDT 20:10-GMT | Position: 130° / 1208 m Direction: West; Behavior: Speed slow • Traveling |
| Mar 24 | Day 32 of 90 | Daily Totals whales 29 calves 0 |
| Sighting Number 01 | Quality: Fair Beaufort: 1 | Total whales 6 — 0 calves at sighting |
| | 09:03 -PDT 17:03-GMT | Position: 150° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:23 -PDT 17:23-GMT | Position: 164° / 3088 m Direction: West; Behavior: Speed slow • Traveling • Rolling |
| | 09:36 -PDT 17:36-GMT | Position: 181° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 03 | Quality: Fair Beaufort: 1 | Total whales 1 — 0 calves at sighting |
| | 09:48 -PDT 17:48-GMT | Position: 133° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:57 -PDT 17:57-GMT | Position: 148° / 2260 m Direction: West; Behavior: Speed slow • Traveling |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| | | 10:03 -PDT | 18:03-GMT | Position: 173° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 04 | Quality: Fair Beaufort: 1 | | Total whales 1 — 0 calves at sighting |
| | | 09:55 -PDT | 17:55-GMT | Position: 121° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | | 09:59 -PDT | 17:59-GMT | Position: 135° / 1208 m Direction: West; Behavior: Speed slow • Traveling |
| | | 10:02 -PDT | 18:02-GMT | Position: 163° / 827 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 06 | Quality: Fair Beaufort: 1 | | Total whales 1 — 0 calves at sighting |
| | | 11:28 -PDT | 19:28-GMT | Position: 144° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 07 | Quality: Fair Beaufort: 1 | | Total whales 2 — 0 calves at sighting |
| | | 11:31 -PDT | 19:31-GMT | Position: 137° / 827 m Direction: West; Behavior: Speed slow • Traveling smaller whale with bigger whale |
| | | 11:37 -PDT | 19:37-GMT | Position: 175° / 661 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 08 | Quality: Fair Beaufort: 1 | | Total whales 2 — 0 calves at sighting |
| | | 12:00 -PDT | 20:00-GMT | Position: 166° / 1208 m Direction: West; Behavior: Speed slow • Traveling |
| | | 12:02 -PDT | 20:02-GMT | Position: 176° / 1106 m Direction: West; Behavior: Speed slow • Traveling split up when boat went over them |
| | | 12:04 -PDT | 20:04-GMT | Position: 192° / 1020 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 09 | Quality: Fair Beaufort: 1 | | Total whales 5 — 0 calves at sighting |
| | | 12:06 -PDT | 20:06-GMT | Position: 125° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | | 12:12 -PDT | 20:12-GMT | Position: 135° / 1483 m Direction: West; Behavior: Speed slow • Traveling 3 + 2 |
| | | 12:26 -PDT | 20:26-GMT | Position: 199° / 883 m Direction: West; Behavior: Speed slow • Traveling split into 2 groups |
| Sighting Number | 10 | Quality: Fair Beaufort: 1 | | Total whales 2 — 0 calves at sighting |
| | | 12:59 -PDT | 20:59-GMT | Position: 158° / 696 m Direction: West; Behavior: Speed slow • Traveling |
| | | 13:08 -PDT | 21:08-GMT | Position: 228° / 735 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 11 | Quality: Fair Beaufort: 1 | | Total whales 2 — 0 calves at sighting |
| | | 13:32 -PDT | 21:32-GMT | Position: 123° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | | 13:39 -PDT | 21:39-GMT | Position: 130° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| | | 13:53 -PDT | 21:53-GMT | Position: 180° / 1020 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 12 | Quality: Fair Beaufort: 1 | | Total whales 2 — 0 calves at sighting |
| | | 13:45 -PDT | 21:45-GMT | Position: 151° / 1331 m Direction: West; Behavior: Speed slow • Traveling |
| | | 13:50 -PDT | 21:50-GMT | Position: 175° / 946 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 14 | Quality: Fair Beaufort: 3 | | Total whales 2 — 0 calves at sighting |
| | | 14:27 -PDT | 22:27-GMT | Position: 156° / 778 m Direction: West; Behavior: Speed slow • Traveling |
| | | 14:34 -PDT | 22:34-GMT | Position: 215° / 735 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 15 | Quality: Poor Beaufort: 4 | | Total whales 3 — 0 calves at sighting |
| | | 14:52 -PDT | 22:52-GMT | Position: 152° / 3088 m Direction: West; Behavior: Speed slow • Traveling |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

| | | 15:04 -PDT | 23:04-GMT | Position: 190° / 2749 m | Direction: West; Behavior: Speed slow • Traveling |
|-----------------|--------------|--|---------------------------------------|-------------------------|---|
| Mar 25 | Day 33 of 90 | | | Daily Totals | whales 27 calves 0 |
| Sighting Number | 01 | Quality: Fair Beaufort: 2 | Total whales 2 — 0 calves at sighting | | |
| | | 09:18 -PDT | 17:18-GMT | Position: 190° / 1106 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 04 | Quality: Fair Beaufort: 2 | Total whales 1 — 0 calves at sighting | | |
| | | 09:44 -PDT | 17:44-GMT | Position: 143° / 2260 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 09:55 -PDT | 17:55-GMT | Position: 180° / 1922 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 05 | Quality: Fair Beaufort: 2 | Total whales 2 — 0 calves at sighting | | |
| | | 10:02 -PDT | 18:02-GMT | Position: 127° / 2749 m | Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | | 10:10 -PDT | 18:10-GMT | Position: 148° / 1483 m | Direction: West; Behavior: Speed slow • Traveling • Rolling • Fluke |
| | | 10:18 -PDT | 18:18-GMT | Position: 172° / 1331 m | Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number | 06 | Quality: Fair Beaufort: 2 | Total whales 2 — 0 calves at sighting | | |
| | | 10:20 -PDT | 18:20-GMT | Position: 144° / 1483 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 10:23 -PDT | 18:23-GMT | Position: 156° / 1403 m | Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | | 10:31 -PDT | 18:31-GMT | Position: 205° / 1331 m | Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number | 07 | Quality: Fair Beaufort: 2 | Total whales 2 — 0 calves at sighting | | |
| | | 10:47 -PDT | 18:47-GMT | Position: 134° / 1483 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 10:49 -PDT | 18:49-GMT | Position: 147° / 1208 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 08 | Quality: Fair Beaufort: 2 Images: 5190-7 | Total whales 2 — 0 calves at sighting | | |
| | | 11:18 -PDT | 19:18-GMT | Position: 115° / 1674 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 11:21 -PDT | 19:21-GMT | Position: 119° / 1331 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 11:27 -PDT | 19:27-GMT | Position: 138° / 778 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 11:36 -PDT | 19:36-GMT | Position: 219° / 735 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 09 | Quality: Fair Beaufort: 2 | Total whales 3 — 0 calves at sighting | | |
| | | 11:45 -PDT | 19:45-GMT | Position: 145° / 2260 m | Direction: West; Behavior: Speed slow • Traveling disappeared at 145° - could have been more whales in group |
| Sighting Number | 10 | Quality: Fair Beaufort: 0 | Total whales 1 — 0 calves at sighting | | |
| | | 12:44 -PDT | 20:44-GMT | Position: 155° / 1208 m | Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | | 12:49 -PDT | 20:49-GMT | Position: 190° / 735 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 11 | Quality: Fair Beaufort: 3 | Total whales 6 — 0 calves at sighting | | |
| | | 13:54 -PDT | 21:54-GMT | Position: 112° / 2749 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 14:00 -PDT | 22:00-GMT | Position: 122° / 1922 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 14:09 -PDT | 22:09-GMT | Position: 148° / 1483 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 14:14 -PDT | 22:14-GMT | Position: 180° / 827 m | Direction: West; Behavior: Speed slow • Traveling |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| Sighting Number 12 | Quality: Fair Beaufort: 4 | Total whales 3 — 0 calves at sighting |
| | 14:19 -PDT 22:19-GMT | Position: 114° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | 14:33 -PDT 22:33-GMT | Position: 145° / 1106 m Direction: West; Behavior: Speed slow • Traveling |
| | 14:38 -PDT 22:38-GMT | Position: 164° / 661 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 13 | Quality: Fair Beaufort: 4 | Total whales 3 — 0 calves at sighting |
| | 14:34 -PDT 22:34-GMT | Position: 116° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | 14:39 -PDT 22:39-GMT | Position: 127° / 1106 m Direction: West; Behavior: Speed slow • Traveling |
| | 14:45 -PDT 22:45-GMT | Position: 160° / 600 m Direction: West; Behavior: Speed slow • Traveling |
| Mar 26 | Day 34 of 90 | Daily Totals whales 13 calves 2 |
| Sighting Number | Quality: Fair Beaufort: 1 | Totals not indicated |
| | : -PDT 7:-GMT | Position: / m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 01 | Quality: Fair Beaufort: 1 | Total whales 2 — 0 calves at sighting |
| | 09:12 -PDT 16:12-GMT | Position: 141° / 1331 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:16 -PDT 16:16-GMT | Position: 163° / 883 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 02 | Quality: Fair Beaufort: 1 | Total whales 1 — 0 calves at sighting |
| | 09:21 -PDT 16:21-GMT | Position: 133° / 696 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:28 -PDT 16:28-GMT | Position: 177° / 661 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 03 | Quality: Fair Beaufort: 1 | Total whales 3 — 0 calves at sighting |
| | 10:44 -PDT 17:44-GMT | Position: 155° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:01 -PDT 18:01-GMT | Position: 196° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 04 Images: 5213-59 | Quality: Fair Beaufort: 1 | Total whales 4 — 2 calves at sighting |
| | 11:10 -PDT 18:10-GMT | Position: 104° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:20 -PDT 18:20-GMT | Position: 120° / 1403 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:23 -PDT 18:23-GMT | Position: 122° / 778 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:34 -PDT 18:34-GMT | Position: 197° / 455 m Direction: West; Behavior: Speed slow • Traveling • Rolling |
| | 11:39 -PDT 18:39-GMT | Position: 247° / 661 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 05 | Quality: Fair Beaufort: 1 | Total whales 2 — 0 calves at sighting |
| | 12:31 -PDT 19:31-GMT | Position: 124° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | 12:47 -PDT 19:47-GMT | Position: 150° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 10 | Quality: Fair Beaufort: 1 | Total whales 1 — 0 calves at sighting |
| | 14:55 -PDT 21:55-GMT | Position: 122° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| Mar 27 | Day 35 of 90 | Daily Totals whales 8 calves 1 |
| Sighting Number 02 Images: 5273 - 7 | Quality: Poor Beaufort: 4 | Total whales 2 — 1 calf at sighting |
| | 09:10 -PDT 16:10-GMT | Position: 131° / 1331 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:18 -PDT 16:18-GMT | Position: 156° / 913 m Direction: West; Behavior: Speed slow • Traveling |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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|---|---|----------------------|---|
| Sighting Number | 03 | Quality: Poor | Total whales 3 — 0 calves at sighting |
| | | Beaufort: 4 | |
| | | 09:38 -PDT 16:38-GMT | Position: 139° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | | 09:46 -PDT 16:46-GMT | Position: 154° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | | 09:48 -PDT 16:48-GMT | Position: 161° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| 09:56 -PDT 16:56-GMT | Position: 181° / 2260 m Direction: West; Behavior: Speed slow • Traveling | | |
| Sighting Number | 04 | Quality: Poor | Total whales 3 — 0 calves at sighting |
| | | Beaufort: 4 | |
| 10:04 -PDT 17:04-GMT | Position: 147° / 1331 m Direction: West; Behavior: Speed slow • Traveling | | |
| Mar 28 | Day 36 of 90 | | Daily Totals whales 21 calves 1 |
| Sighting Number | 01 | Quality: Fair | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 2 | |
| | | 09:01 -PDT 16:01-GMT | Position: 137° / 1208 m Direction: West; Behavior: Speed slow • Traveling |
| 09:07 -PDT 16:07-GMT | Position: 180° / 946 m Direction: West; Behavior: Speed slow • Traveling | | |
| Sighting Number | 03 | Quality: Fair | Total whales 3 — 0 calves at sighting |
| | | Beaufort: 3 | |
| 09:47 -PDT 16:47-GMT | Position: 139° / 1483 m Direction: West; Behavior: Speed slow • Traveling | | |
| Sighting Number | 04 | Quality: Poor | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 4 | |
| | | 09:48 -PDT 16:48-GMT | Position: 154° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| Tracked beyond 233° - unable to determine number (higher than 1) of whales - Probably more than 1 | | | |
| Sighting Number | 05 | Quality: Poor | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 4 | |
| | | 10:56 -PDT 17:56-GMT | Position: 145° / 550 m Direction: West; Behavior: Speed slow • Traveling |
| 10:58 -PDT 17:58-GMT | Position: 165° / 471 m Direction: West; Behavior: Speed slow • Traveling | | |
| Sighting Number | 06 | Quality: Poor | Total whales 2 — 0 calves at sighting |
| | | Beaufort: 4 | |
| | | 13:08 -PDT 20:08-GMT | Position: 145° / 696 m Direction: West; Behavior: Speed slow • Traveling |
| 13:12 -PDT 20:12-GMT | Position: 183° / 696 m Direction: West; Behavior: Speed slow • Traveling | | |
| Sighting Number | 07 | Quality: Fair | Total whales 2 — 0 calves at sighting |
| | | Beaufort: 3 | |
| | | 13:30 -PDT 20:30-GMT | Position: 182° / 883 m Direction: West; Behavior: Speed slow • Traveling |
| 13:32 -PDT 20:32-GMT | Position: 194° / 1106 m Direction: West; Behavior: Speed slow • Traveling | | |
| Sighting Number | 08 | Quality: Fair | Total whales 2 — 0 calves at sighting |
| | | Beaufort: 3 | |
| | | 13:53 -PDT 20:53-GMT | Position: 119° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | | 14:00 -PDT 21:00-GMT | Position: 143° / 1208 m Direction: West; Behavior: Speed slow • Traveling |
| | | 14:14 -PDT 21:14-GMT | Position: 167° / 1331 m Direction: West; Behavior: Speed slow • Traveling |
| 14:25 -PDT 21:25-GMT | Position: 254° / 1674 m Direction: West; Behavior: Speed slow • Traveling | | |
| Sighting Number | 10 | Quality: Fair | Total whales 2 — 0 calves at sighting |
| | | Beaufort: 3 | |
| | | 14:33 -PDT 21:33-GMT | Position: 119° / 1331 m Direction: West; Behavior: Speed slow • Traveling |
| 14:44 -PDT 21:44-GMT | Position: 148° / 883 m Direction: West; Behavior: Speed slow • Traveling | | |
| Sighting Number | 11 | Quality: Fair | Total whales 2 — 0 calves at sighting |
| | | Beaufort: 3 | |
| 15:05 -PDT 22:05-GMT | Position: 147° / 946 m Direction: West; Behavior: Speed slow • Traveling | | |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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|-----------------|--------------|------------------------------|-----------|---------------------------------------|--|
| | | 15:11 -PDT | 22:11-GMT | Position: 193° / 678 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 12 | Quality: Fair Beaufort: 3 | | Total whales 3 — 0 calves at sighting | |
| | | 15:22 -PDT | 22:22-GMT | Position: 153° / 946 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 15:28 -PDT | 22:28-GMT | Position: 205° / 883 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 13 | Quality: Fair Beaufort: 4 | | Total whales 2 — 1 calf at sighting | |
| | | 16:14 -PDT | 23:14-GMT | Position: 133° / 696 m | Direction: West; Behavior: Speed slow • Traveling along kelp edge |
| Mar 29 | Day 37 of 90 | | | | Daily Totals whales 19 calves 1 |
| Sighting Number | 02 | Quality: Fair Beaufort: 0 | | Total whales 2 — 0 calves at sighting | |
| | | 09:13 -PDT | 16:13-GMT | Position: 140° / 2749 m | Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | | 09:19 -PDT | 16:19-GMT | Position: 150° / 2749 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 09:29 -PDT | 16:29-GMT | Position: 175° / 1922 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 03 | Quality: Fair Beaufort: 0 | | Total whales 3 — 0 calves at sighting | |
| | | 09:52 -PDT | 16:52-GMT | Position: 139° / 1331 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 09:57 -PDT | 16:57-GMT | Position: 167° / 946 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 10:00 -PDT | 17:00-GMT | Position: 189° / 883 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 04 | Quality: Fair Beaufort: 0 | | Total whales 2 — 1 calf at sighting | |
| | | 10:25 -PDT | 17:25-GMT | Position: 140° / 2260 m | Direction: West; Behavior: Speed slow • Traveling • Fluke rolling fluke |
| | | 10:33 -PDT | 17:33-GMT | Position: 144° / 2260 m | Direction: West; Behavior: Speed slow • Traveling really slow travel |
| | | 10:40 -PDT | 17:40-GMT | Position: 158° / 1674 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 10:46 -PDT | 17:46-GMT | Position: 179° / 1331 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 06 | Quality: Good Beaufort: 1 | | Total whales 4 — 0 calves at sighting | |
| | | 11:01 -PDT | 18:01-GMT | Position: 115° / 1922 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 11:18 -PDT | 18:18-GMT | Position: 146° / 1483 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 11:28 -PDT | 18:28-GMT | Position: 200° / 946 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 11:34 -PDT | 18:34-GMT | Position: 237° / 1403 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 08 | Quality: Good Beaufort: 1 | | Total whales 3 — 0 calves at sighting | |
| | | 11:48 -PDT | 18:48-GMT | Position: 151° / 2749 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 12:01 -PDT | 19:01-GMT | Position: 175° / 2260 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 12:04 -PDT | 19:04-GMT | Position: 181° / 2260 m | Direction: West; Behavior: Speed slow • Traveling Dsp around whales |
| Sighting Number | 09 | Quality: Good Beaufort: 1 | | Total whales 2 — 0 calves at sighting | |
| | | 12:47 -PDT | 19:47-GMT | Position: 170° / 1674 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 11 | Quality: Fair Beaufort: 1 | | Total whales 1 — 0 calves at sighting | |
| | | 13:29 -PDT | 20:29-GMT | Position: 157° / 2749 m | Direction: West; Behavior: Speed slow • Traveling |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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|-----------------|--------------|------------------------------|-----------|---|---|
| | | 13:40 -PDT | 20:40-GMT | Position: 188° / 1922 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 13 | Quality: Fair Beaufort: 1 | | Total whales 1 — 0 calves at sighting | |
| | | 16:02 -PDT | 23:02-GMT | Position: 218° / 1331 m | Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | | 16:13 -PDT | 23:13-GMT | Position: 251° / 1403 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 14 | Quality: Fair Beaufort: 1 | | Total whales 1 — 0 calves at sighting | |
| | | 16:37 -PDT | 23:37-GMT | Position: 215° / 827 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 16:41 -PDT | 23:41-GMT | Position: 246° / 528 m | Direction: West; Behavior: Speed slow • Traveling |
| Mar 30 | Day 38 of 90 | | | | Daily Totals whales 4 calves 1 |
| Sighting Number | 02 | Quality: Fair Beaufort: 2 | | Total whales 2 — 1 calf at sighting | |
| | | 09:40 -PDT | 16:40-GMT | Position: 114° / 1674 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 09:45 -PDT | 16:45-GMT | Position: 121° / 1331 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 09:52 -PDT | 16:52-GMT | Position: 162° / 696 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 03 | Quality: Fair Beaufort: 2 | | Total whales 2 — 0 calves at sighting | |
| | | 09:51 -PDT | 16:51-GMT | Position: 118° / 2749 m | Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | | 10:00 -PDT | 17:00-GMT | Position: 132° / 1922 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 10:05 -PDT | 17:05-GMT | Position: 140° / 1922 m | Direction: West; Behavior: Speed slow • Traveling |
| Mar 31 | Day 39 of 90 | | | | Daily Totals whales 9 calves 0 |
| Sighting Number | 04 | Quality: Fair Beaufort: 4 | | Total whales 2 — 0 calves at sighting | |
| | | 11:55 -PDT | 18:55-GMT | Position: 113° / 2749 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 12:02 -PDT | 19:02-GMT | Position: 121° / 2260 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 12:18 -PDT | 19:18-GMT | Position: 156° / 1106 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 12:21 -PDT | 19:21-GMT | Position: 170° / 946 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 05 | Quality: Fair Beaufort: 3 | | Total whales 2 — 0 calves at sighting | |
| | | 12:30 -PDT | 19:30-GMT | Position: 124° / 1674 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 12:37 -PDT | 19:37-GMT | Position: 151° / 913 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 12:43 -PDT | 19:43-GMT | Position: 199° / 735 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 06 | Quality: Fair Beaufort: 3 | | Total whales 2 — 0 calves at sighting | |
| | | 13:44 -PDT | 20:44-GMT | Position: 135° / 1020 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 13:56 -PDT | 20:56-GMT | Position: 202° / 574 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 07 | Quality: Fair Beaufort: 3 | | Total whales 1 — 0 calves at sighting | |
| | | 13:59 -PDT | 20:59-GMT | Position: 175° / 1331 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 09 | Quality: Fair Beaufort: 4 | | Total whales 2 — 0 calves at sighting | |
| | | 14:11 -PDT | 21:11-GMT | Position: 138° / 1922 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 14:16 -PDT | 21:16-GMT | Position: 153° / 1403 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 14:23 -PDT | 21:23-GMT | Position: 177° / 1403 m | Direction: West; Behavior: Speed slow • Traveling |
| | | | | Lags (SD#8)swimming with Er | |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

| | | 14:26 -PDT | 21:26-GMT | Position: 209° / 1483 m | Direction: West; Behavior: Speed slow • Traveling |
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| Apr 01 | Day 40 of 90 | | | Daily Totals | whales 22 calves 2 |
| Sighting Number | 04 | Quality: Fair | | Total whales 4 — 2 calves at sighting | |
| | Images: 5473 - 88 | Beaufort: 0 | | | |
| | | 10:45 -PDT | 17:45-GMT | Position: 103° / 3088 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 10:58 -PDT | 17:58-GMT | Position: 112° / 2260 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 11:24 -PDT | 18:24-GMT | Position: 203° / 629 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 05 | Quality: Fair | | Total whales 1 — 0 calves at sighting | |
| | | Beaufort: 0 | | | |
| | | 11:40 -PDT | 18:40-GMT | Position: 122° / 2749 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 11:54 -PDT | 18:54-GMT | Position: 166° / 827 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 06 | Quality: Fair | | Total whales 2 — 0 calves at sighting | |
| | | Beaufort: 0 | | | |
| | | 11:44 -PDT | 18:44-GMT | Position: 127° / 1483 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 11:51 -PDT | 18:51-GMT | Position: 142° / 1483 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 12:01 -PDT | 19:01-GMT | Position: 176° / 1106 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 07 | Quality: Fair | | Total whales 1 — 0 calves at sighting | |
| | | Beaufort: 0 | | | |
| | | 12:12 -PDT | 19:12-GMT | Position: 159° / 735 m | Direction: West; Behavior: Speed slow • Traveling |
| | | Boat traveled over whale at this position - whale surfaced and turned south (towards islands) | | | |
| | | 12:14 -PDT | 19:14-GMT | Position: 200° / 574 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 08 | Quality: Fair | | Total whales 1 — 0 calves at sighting | |
| | | Beaufort: 1 | | | |
| | | 13:37 -PDT | 20:37-GMT | Position: 192° / 827 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 13:42 -PDT | 20:42-GMT | Position: 229° / 913 m | Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number | 09 | Quality: Fair | | Total whales 2 — 0 calves at sighting | |
| | | Beaufort: 1 | | | |
| | | 13:46 -PDT | 20:46-GMT | Position: 179° / 3088 m | Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number | 10 | Quality: Fair | | Total whales 1 — 0 calves at sighting | |
| | | Beaufort: 1 | | | |
| | | 13:49 -PDT | 20:49-GMT | Position: 199° / 1403 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 12 | Quality: Fair | | Total whales 4 — 0 calves at sighting | |
| | | Beaufort: 1 | | | |
| | | 13:57 -PDT | 20:57-GMT | Position: 175° / 1331 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 3 + 1 | | | |
| | | 14:00 -PDT | 21:00-GMT | Position: 187° / 1403 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 14:03 -PDT | 21:03-GMT | Position: 195° / 1483 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 13 | Quality: Fair | | Total whales 1 — 0 calves at sighting | |
| | | Beaufort: 1 | | | |
| | | 13:59 -PDT | 20:59-GMT | Position: 196° / 827 m | Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number | 14 | Quality: Fair | | Total whales 1 — 0 calves at sighting | |
| | | Beaufort: 1 | | | |
| | | 14:07 -PDT | 21:07-GMT | Position: 190° / 1106 m | Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number | 15 | Quality: Fair | | Total whales 1 — 0 calves at sighting | |
| | | Beaufort: 1 | | | |
| | | 14:31 -PDT | 21:31-GMT | Position: 157° / 883 m | Direction: West; Behavior: Speed slow • Traveling |
| | | 14:34 -PDT | 21:34-GMT | Position: 210° / 913 m | Direction: West; Behavior: Speed slow • Traveling |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| Sighting Number 18 | Quality: Fair Beaufort: 2 | Total whales 1 — 0 calves at sighting |
| | 16:07 -PDT 23:07-GMT | Position: 137° / 3088 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | 16:13 -PDT 23:13-GMT | Position: 143° / 2749 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | 16:13 -PDT 23:13-GMT | Position: / m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | 16:23 -PDT 23:23-GMT | Position: 163° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 19 | Quality: Fair Beaufort: 3 | Total whales 2 — 0 calves at sighting |
| | 16:44 -PDT 23:44-GMT | Position: 139° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| Apr 02 | Day 41 of 90 | Daily Totals whales 19 calves 0 |
| Sighting Number 01 | Quality: Fair Beaufort: 0 | Total whales 4 — 0 calves at sighting |
| | 09:14 -PDT 16:14-GMT | Position: 129° / 2749 m Direction: West; Behavior: Speed slow • Traveling • Rolling • Fluke |
| | 09:29 -PDT 16:29-GMT | Position: 154° / 1922 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | 09:38 -PDT 16:38-GMT | Position: 193° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 02 | Quality: Fair Beaufort: 0 | Total whales 1 — 0 calves at sighting |
| | 09:18 -PDT 16:18-GMT | Position: 129° / 3528 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:31 -PDT 16:31-GMT | Position: 164° / 1674 m Direction: West; Behavior: Speed slow • Traveling • Fluke S#1 and S#2 appear to have joined |
| Sighting Number 05 | Quality: Fair Beaufort: 0 | Total whales 2 — 0 calves at sighting |
| | 11:19 -PDT 18:19-GMT | Position: 170° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:26 -PDT 18:26-GMT | Position: 195° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 09 | Quality: Fair Beaufort: 0 | Total whales 3 — 0 calves at sighting |
| | 12:27 -PDT 19:27-GMT | Position: 158° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | 12:38 -PDT 19:38-GMT | Position: 186° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | 12:41 -PDT 19:41-GMT | Position: 192° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 10 | Quality: Fair Beaufort: 0 | Total whales 2 — 0 calves at sighting |
| | 12:50 -PDT 19:50-GMT | Position: 133° / 2260 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | 12:59 -PDT 19:59-GMT | Position: 156° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | 13:05 -PDT 20:05-GMT | Position: 184° / 1483 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number 12 | Quality: Fair Beaufort: 0 | Total whales 2 — 0 calves at sighting |
| | 13:23 -PDT 20:23-GMT | Position: 164° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | 13:30 -PDT 20:30-GMT | Position: 178° / 2260 m Direction: West; Behavior: Speed slow • Traveling • Rolling |
| | 13:45 -PDT 20:45-GMT | Position: 192° / 1922 m Direction: West; Behavior: Speed slow • Traveling • Rolling S#12 & S#13 joined |
| Sighting Number 13 | Quality: Fair Beaufort: 0 | Total whales 3 — 0 calves at sighting |
| | 13:25 -PDT 20:25-GMT | Position: 120° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 15 | Quality: Fair Beaufort: 0 | Total whales 2 — nd calves at sighting |
| | 16:36 -PDT 23:36-GMT | Position: 126° / 2749 m Direction: West; Behavior: Speed slow • Traveling |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| | 16:44 -PDT | 23:44-GMT | Position: 138° / 2749 m | Direction: West; Behavior: Speed slow • Traveling |
| | 16:50 -PDT | 23:50-GMT | Position: 148° / 1922 m | Direction: West; Behavior: Speed slow • Traveling |
| | 16:56 -PDT | 23:56-GMT | Position: 160° / 1674 m | Direction: West; Behavior: Speed slow • Traveling |
| Apr 03 | Day 42 of 90 | | Daily Totals whales 7 calves 0 | |
| Sighting Number | 02 | Quality: Fair Beaufort: 0 | Total whales 1 — 0 calves at sighting | |
| | 11:23 -PDT | 18:23-GMT | Position: 180° / 778 m Direction: West; Behavior: Speed slow • Traveling | |
| | 11:29 -PDT | 18:29-GMT | Position: 226° / 883 m Direction: West; Behavior: Speed slow • Traveling | |
| Sighting Number | 03 | Quality: Fair Beaufort: 0 | Total whales 2 — 0 calves at sighting | |
| | 11:46 -PDT | 18:46-GMT | Position: 168° / 1020 m Direction: West; Behavior: Speed slow • Traveling | |
| | 11:51 -PDT | 18:51-GMT | Position: 193° / 1208 m Direction: West; Behavior: Speed slow • Traveling | |
| Sighting Number | 05 | Quality: Fair Beaufort: 0 | Total whales 1 — 0 calves at sighting | |
| | 13:15 -PDT | 20:15-GMT | Position: 159° / 778 m Direction: West; Behavior: Speed slow • Traveling | |
| Sighting Number | 07 | Quality: Fair Beaufort: 0 | Total whales 1 — 0 calves at sighting | |
| | 13:43 -PDT | 20:43-GMT | Position: 104° / 2749 m Direction: West; Behavior: Speed slow • Traveling • Breach | |
| | 13:51 -PDT | 20:51-GMT | Position: 111° / 1922 m Direction: West; Behavior: Speed slow • Traveling | |
| | 14:05 -PDT | 21:05-GMT | Position: 149° / 883 m Direction: West; Behavior: Speed slow • Traveling | |
| Sighting Number | 10 | Quality: Poor Beaufort: 1 Images: 5507 - 9 | Total whales 2 — 0 calves at sighting | |
| | 16:19 -PDT | 23:19-GMT | Position: 96° / 3088 m Direction: West; Behavior: Speed slow • Traveling ENTANGLED | |
| | 16:28 -PDT | 23:28-GMT | Position: 104° / 2749 m Direction: West; Behavior: Speed slow • Traveling | |
| | 16:47 -PDT | 23:47-GMT | Position: 124° / 1483 m Direction: West; Behavior: Speed slow • Traveling | |
| | 16:58 -PDT | 23:58-GMT | Position: 172° / 946 m Direction: West; Behavior: Speed slow • Traveling images made at this position | |
| Apr 04 | Day 43 of 90 | | Daily Totals whales 22 calves 1 | |
| Sighting Number | 02 | Quality: Fair Beaufort: 1 Images: 5510 - 23 | Total whales 3 — 0 calves at sighting | |
| | 10:22 -PDT | 17:22-GMT | Position: 99° / 3088 m Direction: West; Behavior: Speed slow • Traveling whales at Campus Point - Condor Express with them | |
| | 10:36 -PDT | 17:36-GMT | Position: 112° / 2749 m Direction: West; Behavior: Speed slow • Traveling | |
| | 10:43 -PDT | 17:43-GMT | Position: 122° / 1922 m Direction: West; Behavior: Speed slow • Traveling • Fluke | |
| Sighting Number | 03 | Quality: Fair Beaufort: 1 | Total whales 4 — 0 calves at sighting | |
| | 10:39 -PDT | 17:39-GMT | Position: 106° / 3088 m Direction: West; Behavior: Speed slow • Traveling | |
| | 10:44 -PDT | 17:44-GMT | Position: 115° / 2749 m Direction: West; Behavior: Speed slow • Traveling | |
| | 10:50 -PDT | 17:50-GMT | Position: 120° / 1922 m Direction: West; Behavior: Speed slow • Traveling | |
| | 10:56 -PDT | 17:56-GMT | Position: 135° / 1331 m Direction: West; Behavior: Speed slow • Traveling | |
| Sighting Number | 04 | Quality: Good Beaufort: 1 | Total whales 2 — 0 calves at sighting | |
| | 11:46 -PDT | 18:46-GMT | Position: 99° / 3088 m Direction: West; Behavior: Speed slow • Traveling | |
| | 12:02 -PDT | 19:02-GMT | Position: 109° / 2749 m Direction: West; Behavior: Speed slow • Traveling | |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| | 12:26 -PDT | 19:26-GMT | Position: 171° / 696 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 05 | Quality: Good Beaufort: 1 | Total whales 2 — 0 calves at sighting |
| | 12:20 -PDT | 19:20-GMT | Position: 149° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | 12:31 -PDT | 19:31-GMT | Position: 205° / 1106 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 06 | Quality: Fair Beaufort: 3 | Total whales 2 — 0 calves at sighting |
| | 13:03 -PDT | 20:03-GMT | Position: / m Direction: West; Behavior: Speed slow • Traveling Condor with whales |
| | 13:29 -PDT | 20:29-GMT | Position: 117° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | 13:37 -PDT | 20:37-GMT | Position: 126° / 1403 m Direction: West; Behavior: Speed slow • Traveling |
| | 13:42 -PDT | 20:42-GMT | Position: 145° / 946 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 08 | Quality: Fair Beaufort: 4 Images: 5536 - 43 | Total whales 2 — 0 calves at sighting |
| | 14:24 -PDT | 21:24-GMT | Position: 115° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | 14:40 -PDT | 21:40-GMT | Position: 156° / 735 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 09 | Quality: Fair Beaufort: 4 | Total whales 3 — 0 calves at sighting |
| | 15:36 -PDT | 22:36-GMT | Position: 161° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 15:44 -PDT | 22:44-GMT | Position: 173° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | 15:48 -PDT | 22:48-GMT | Position: 180° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 10 | Quality: Fair Beaufort: 4 | Total whales 2 — 1 calf at sighting |
| | 16:17 -PDT | 23:17-GMT | Position: 114° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 16:27 -PDT | 23:27-GMT | Position: 125° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | 16:59 -PDT | 23:59-GMT | Position: 172° / 678 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 11 | Quality: Fair Beaufort: 4 | Total whales 2 — 0 calves at sighting |
| | 16:33 -PDT | 23:33-GMT | Position: 158° / 778 m Direction: West; Behavior: Speed slow • Traveling |
| | 16:42 -PDT | 23:42-GMT | Position: 225° / 696 m Direction: West; Behavior: Speed slow • Traveling |
| Apr 05 | Day 44 of 90 | | Daily Totals whales 8 calves 1 |
| Sighting Number | 02 | Quality: Fair Beaufort: 1 | Total whales 1 — 0 calves at sighting |
| | 10:15 -PDT | 17:15-GMT | Position: 104° / 3088 m Direction: West; Behavior: Speed slow • Traveling Condor on whale |
| | 10:25 -PDT | 17:25-GMT | Position: 108° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 05 | Quality: Fair Beaufort: 1 | Total whales 3 — 0 calves at sighting |
| | 12:28 -PDT | 19:28-GMT | Position: 118° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | 12:39 -PDT | 19:39-GMT | Position: 139° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | 12:48 -PDT | 19:48-GMT | Position: 181° / 946 m Direction: West; Behavior: Speed slow • Traveling noise from boat may have affected whales |
| Sighting Number | 06 | Quality: Fair Beaufort: 1 Images: 5595 - 5619 | Total whales 2 — 1 calf at sighting |
| | 12:54 -PDT | 19:54-GMT | Position: 114° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| | 13:00 -PDT | 20:00-GMT | Position: 120° / 1020 m Direction: West; Behavior: Speed slow • Traveling |

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| | 13:06 -PDT | 20:06-GMT | Position: 141° / 574 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 08 | Quality: Fair Beaufort: 2 | Total whales 2 — 0 calves at sighting |
| | 16:18 -PDT | 23:18-GMT | Position: 134° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
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| Apr 06 | Day 45 of 90 | | Daily Totals whales 10 calves 1 |
| Sighting Number | 02 | Quality: Poor Beaufort: 1 Images: 5650 - 1 | Total whales 2 — 0 calves at sighting |
| | 10:09 -PDT | 17:09-GMT | Position: 170° / 600 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:12 -PDT | 17:12-GMT | Position: 197° / 550 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 05 | Quality: Poor Beaufort: 1 | Total whales 2 — 0 calves at sighting |
| | 11:14 -PDT | 18:14-GMT | Position: 145° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 08 | Quality: Fair Beaufort: 0 Images: 5707 - 12 | Total whales 2 — 1 calf at sighting |
| | 13:35 -PDT | 20:35-GMT | Position: 144° / 913 m Direction: West; Behavior: Speed slow • Traveling |
| | 13:49 -PDT | 20:49-GMT | Position: 247° / 883 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 11 | Quality: Fair Beaufort: 0 | Total whales 3 — 0 calves at sighting |
| | 15:50 -PDT | 22:50-GMT | Position: 157° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | 15:58 -PDT | 22:58-GMT | Position: 200° / 1106 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 12 | Quality: Fair Beaufort: 0 | Total whales 1 — 0 calves at sighting |
| | 15:58 -PDT | 22:58-GMT | Position: 204° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
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| Apr 07 | Day 46 of 90 | | Daily Totals whales 23 calves 4 |
| Sighting Number | 01 | Quality: Poor Beaufort: 3 | Total whales 1 — nd calves at sighting |
| | 08:55 -PDT | 15:55-GMT | Position: 263° / 1922 m Direction: West; Behavior: Speed slow • Traveling likely M/c pair but could not find calf - traveled on calf trail |
| Sighting Number | 03 | Quality: Poor Beaufort: 3 Images: 5782 - 4 | Total whales 2 — 1 calf at sighting |
| | 09:20 -PDT | 16:20-GMT | Position: 223° / 471 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:23 -PDT | 16:23-GMT | Position: 240° / 661 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:50 -PDT | 16:50-GMT | Position: 276° / 883 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 04 | Quality: Poor Beaufort: 3 | Total whales 2 — 0 calves at sighting |
| | 09:43 -PDT | 16:43-GMT | Position: 120° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:49 -PDT | 16:49-GMT | Position: 141° / 1020 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:57 -PDT | 16:57-GMT | Position: 213° / 550 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number | 05 | Quality: Poor Beaufort: 3 | Total whales 3 — 0 calves at sighting |
| | 10:01 -PDT | 17:01-GMT | Position: 125° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:08 -PDT | 17:08-GMT | Position: 150° / 1020 m Direction: West; Behavior: Speed slow • Traveling • Rolling |
| Sighting Number | 06 | Quality: Poor Beaufort: 3 | Total whales 3 — 0 calves at sighting |
| | 10:14 -PDT | 17:14-GMT | Position: 129° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:22 -PDT | 17:22-GMT | Position: 146° / 913 m Direction: West; Behavior: Speed slow • Traveling |

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| Sighting Number 07 | Quality: Poor Beaufort: 3 | Total whales 1 — 0 calves at sighting |
| | 10:36 -PDT 17:36-GMT | Position: 134° / 1331 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:40 -PDT 17:40-GMT | Position: 153° / 1020 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:43 -PDT 17:43-GMT | Position: 196° / 696 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 08 | Quality: Poor Beaufort: 3 | Total whales 1 — 0 calves at sighting |
| | 10:49 -PDT 17:49-GMT | Position: 100° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:55 -PDT 17:55-GMT | Position: 108° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:24 -PDT 18:24-GMT | Position: 242° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 09 | Quality: Poor Beaufort: 4 | Total whales 1 — 0 calves at sighting |
| | 11:38 -PDT 18:38-GMT | Position: 166° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 10 Images: 5806 - 24 | Quality: Poor Beaufort: 4 | Total whales 2 — 1 calf at sighting |
| | 11:58 -PDT 18:58-GMT | Position: 112° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | 12:07 -PDT 19:07-GMT | Position: 120° / 1403 m Direction: West; Behavior: Speed slow • Traveling |
| | 12:23 -PDT 19:23-GMT | Position: 234° / 489 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 11 Images: 5825 - 5856 | Quality: Poor Beaufort: 4 | Total whales 2 — 1 calf at sighting |
| | 12:11 -PDT 19:11-GMT | Position: 108° / 2260 m Direction: West; Behavior: Speed slow • Traveling • Spyhop |
| | 12:39 -PDT 19:39-GMT | Position: 125° / 735 m Direction: West; Behavior: Speed slow • Traveling |
| | 12:54 -PDT 19:54-GMT | Position: 233° / 489 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 12 | Quality: Fair Beaufort: 2 | Total whales 1 — 0 calves at sighting |
| | 14:43 -PDT 21:43-GMT | Position: 99° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 14:52 -PDT 21:52-GMT | Position: 107° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 15:03 -PDT 22:03-GMT | Position: 118° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | 15:30 -PDT 22:30-GMT | Position: 239° / 1403 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| Sighting Number 13 | Quality: Fair Beaufort: 2 | Total whales 1 — 0 calves at sighting |
| | 15:03 -PDT 22:03-GMT | Position: 119° / 1674 m Direction: West; Behavior: Speed slow • Traveling at kelp edge |
| | 15:29 -PDT 22:29-GMT | Position: 232° / 528 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 14 | Quality: Poor Beaufort: 2 | Total whales 1 — 0 calves at sighting |
| | 15:56 -PDT 22:56-GMT | Position: 99° / 1922 m Direction: East; Behavior: Breach |
| | 15:22 -PDT 22:22-GMT | Position: 204° / 356 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 17 Images: 5866 - 86 | Quality: Poor Beaufort: 2 | Total whales 2 — 1 calf at sighting |
| | 16:32 -PDT 23:32-GMT | Position: 112° / 1674 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | 16:37 -PDT 23:37-GMT | Position: 118° / 1403 m Direction: West; Behavior: Speed slow • Traveling |
| | 16:41 -PDT 23:41-GMT | Position: 133° / 778 m Direction: West; Behavior: Speed slow • Traveling • Fluke |

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| Sighting Number | 01 | Quality: Fair | Total whales 2 — 1 calf at sighting |
| | | Beaufort: 2 | |
| | | 08:52 -PDT 15:52-GMT | Position: 173° / 528 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 02 | Quality: Fair | Total whales 2 — 1 calf at sighting |
| | | Beaufort: 2 | |
| | | Images: 5887 - 5918 | |
| | | 09:10 -PDT 16:10-GMT | Position: 112° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | | 09:14 -PDT 16:14-GMT | Position: 117° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| | | 09:19 -PDT 16:19-GMT | Position: 125° / 1020 m Direction: West; Behavior: Speed slow • Traveling |
| | | 09:30 -PDT 16:30-GMT | Position: 194° / 600 m Direction: West; Behavior: Speed slow • Traveling • Rolling |
| Sighting Number | 04 | Quality: Poor | Total whales 2 — 1 calf at sighting |
| | | Beaufort: 4 | |
| | | Images: 5919 - 28 | |
| | | 10:10 -PDT 17:10-GMT | Position: 156° / 661 m Direction: West; Behavior: Speed slow • Traveling |
| | | 10:14 -PDT 17:14-GMT | Position: 206° / 600 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 05 | Quality: Poor | Total whales 2 — 1 calf at sighting |
| | | Beaufort: 4 | |
| | | Images: 5931 - 8 | |
| | | 10:20 -PDT 17:20-GMT | Position: 149° / 696 m Direction: West; Behavior: Speed slow • Traveling |
| | | 10:24 -PDT 17:24-GMT | Position: 190° / 574 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 07 | Quality: Poor | Total whales 2 — 1 calf at sighting |
| | | Beaufort: 4 | |
| | | Images: 5954 - 73 | |
| | | 11:07 -PDT 18:07-GMT | Position: 105° / 2260 m Direction: West; Behavior: Speed slow • Traveling Initially sighted beyond Campus Point |
| | | 11:22 -PDT 18:22-GMT | Position: 119° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | | 11:27 -PDT 18:27-GMT | Position: 135° / 827 m Direction: West; Behavior: Speed slow • Traveling |
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| Apr 09 | Day 48 of 90 | Daily Totals whales 5 calves 1 | |
| Sighting Number | 03 | Quality: Fair | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 0 | |
| | | 10:08 -PDT 17:08-GMT | Position: 164° / 1020 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 04 | Quality: Fair | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 0 | |
| | | 11:20 -PDT 18:20-GMT | Position: 188° / 1208 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 05 | Quality: Fair | Total whales 2 — 1 calf at sighting |
| | | Beaufort: 0 | |
| | | 11:37 -PDT 18:37-GMT | Position: 117° / 1331 m Direction: West; Behavior: Speed slow • Traveling no images |
| | | 11:44 -PDT 18:44-GMT | Position: 141° / 827 m Direction: West; Behavior: Speed slow • Traveling |
| | | 11:53 -PDT 18:53-GMT | Position: 230° / 574 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number | 06 | Quality: Excellent | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 1 | |
| | | 14:01 -PDT 21:01-GMT | Position: 139° / 946 m Direction: West; Behavior: Speed slow • Traveling |
| | | 14:07 -PDT 21:07-GMT | Position: 174° / 696 m Direction: West; Behavior: Speed slow • Traveling |
| | | 14:14 -PDT 21:14-GMT | Position: 235° / 629 m Direction: West; Behavior: Speed slow • Traveling |
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| Apr 10 | Day 49 of 90 | Daily Totals whales 15 calves 4 | |
| Sighting Number | 01 | Quality: Fair | Total whales 1 — 0 calves at sighting |
| | | Beaufort: 0 | |
| | | 09:04 -PDT 16:04-GMT | Position: 148° / 1020 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | | 09:12 -PDT 16:12-GMT | Position: 191° / 913 m Direction: West; Behavior: Speed slow • Traveling |

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| Sighting Number 02 | Quality: Fair Beaufort: 0 | Total whales 1 — 0 calves at sighting |
| | 09:24 -PDT 16:24-GMT | Position: 109° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:38 -PDT 16:38-GMT | Position: 119° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:43 -PDT 16:43-GMT | Position: / m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 04 Images: 6113 - 31 | Quality: Fair Beaufort: 0 | Total whales 2 — 1 calf at sighting |
| | 09:45 -PDT 16:45-GMT | Position: 119° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:51 -PDT 16:51-GMT | Position: 126° / 883 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 08 | Quality: Good Beaufort: 1 | Total whales 2 — 1 calf at sighting |
| | 13:26 -PDT 20:26-GMT | Position: 170° / 913 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | 13:33 -PDT 20:33-GMT | Position: 226° / 883 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 10 Images: 6158 - 62 | Quality: Good Beaufort: 1 | Total whales 3 — 0 calves at sighting |
| | 14:52 -PDT 21:52-GMT 2 + 1 | Position: 112° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | 15:00 -PDT 22:00-GMT | Position: 123° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | 15:09 -PDT 22:09-GMT | Position: 152° / 946 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 12 Images: 6164 - 87 | Quality: Fair Beaufort: 1 | Total whales 2 — 1 calf at sighting |
| | 16:34 -PDT 23:34-GMT | Position: 157° / 574 m Direction: West; Behavior: Speed slow • Traveling |
| | 16:42 -PDT 23:42-GMT | Position: 219° / 550 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 13 | Quality: Fair Beaufort: 1 | Total whales 2 — 0 calves at sighting |
| | 16:39 -PDT 23:39-GMT | Position: 202° / 913 m Direction: West; Behavior: Speed slow • Traveling |
| | 16:49 -PDT 23:49-GMT | Position: 247° / 1331 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 15 Images: 6190 - 3 | Quality: Fair Beaufort: 1 | Total whales 2 — 1 calf at sighting |
| | 16:58 -PDT 23:58-GMT | Position: 188° / 550 m Direction: West; Behavior: Speed slow • Traveling |
| | 17:09 -PDT 0:09; 4/11/2017-GMT | Position: 250° / 827 m Direction: West; Behavior: Speed slow • Traveling |
| Apr 11 | Day 50 of 90 | Daily Totals whales 9 calves 2 |
| Sighting Number 01 | Quality: Fair Beaufort: 1 | Total whales 2 — 0 calves at sighting |
| | 09:00 -PDT 16:00-GMT | Position: 150° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:11 -PDT 16:11-GMT | Position: 200° / 1208 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 02 | Quality: Fair Beaufort: 1 | Total whales 1 — 0 calves at sighting |
| | 09:35 -PDT 16:35-GMT | Position: 136° / 1208 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:38 -PDT 16:38-GMT | Position: 160° / 883 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:42 -PDT 16:42-GMT | Position: 182° / 735 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 03 Images: 6196 - 6208 | Quality: Fair Beaufort: 1 | Total whales 2 — 1 calf at sighting |
| | 10:05 -PDT 17:05-GMT | Position: 106° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:10 -PDT 17:10-GMT | Position: 113° / 2260 m Direction: West; Behavior: Speed slow • Traveling |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| | 10:14 -PDT | 17:14-GMT | Position: 116° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:32 -PDT | 17:32-GMT | Position: 256° / 946 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 07 Images: 6215 - 40 | Quality: Fair Beaufort: 1 | Total whales 2 — 1 calf at sighting | |
| | 12:43 -PDT | 19:43-GMT | Position: 149° / 574 m Direction: West; Behavior: Speed slow • Traveling following along kelp |
| Sighting Number 11 | Quality: Fair Beaufort: 4 | Total whales 1 — 0 calves at sighting | |
| | 14:51 -PDT | 21:51-GMT | Position: 155° / 827 m Direction: West; Behavior: Speed slow • Traveling Saw first @ 105/7 but was not certain |
| Sighting Number 13 Images: 6290 - 6300 | Quality: Fair Beaufort: 4 | Total whales 1 — 0 calves at sighting | |
| | 16:11 -PDT | 23:11-GMT | Position: 108° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | 16:23 -PDT | 23:23-GMT | Position: 109° / 1674 m Direction: Circling; Behavior: Speed slow • Traveling |
| | 16:30 -PDT | 23:30-GMT | Position: 121° / 1331 m Direction: West; Behavior: Speed slow • Traveling |
| | 16:35 -PDT | 23:35-GMT | Position: 138° / 735 m Direction: West; Behavior: Speed slow • Traveling Did everything a M/c pair is supposed to do - Look at images - NO! |
| Apr 12 | Day 51 of 90 | Daily Totals whales 5 calves 1 | |
| Sighting Number 01 | Quality: Fair Beaufort: 0 | Total whales 2 — 1 calf at sighting | |
| | 09:25 -PDT | 16:25-GMT | Position: 99° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:41 -PDT | 16:41-GMT | Position: 109° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:59 -PDT | 16:59-GMT | Position: 128° / 778 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:11 -PDT | 17:11-GMT | Position: 208° / 539 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 05 | Quality: Fair Beaufort: 0 | Total whales 2 — nd calves at sighting | |
| | 12:27 -PDT | 19:27-GMT | Position: 113° / 2260 m Direction: West; Behavior: Speed slow • Traveling no images |
| | 12:34 -PDT | 19:34-GMT | Position: 130° / 1331 m Direction: West; Behavior: Speed slow • Traveling |
| | 12:40 -PDT | 19:40-GMT | Position: 173° / 696 m Direction: West; Behavior: Speed slow • Traveling |
| | 12:51 -PDT | 19:51-GMT | Position: 268° / 1106 m Direction: West; Behavior: Speed slow • Traveling traveled along "calf trail" - could not identify calf |
| Sighting Number 06 | Quality: Poor Beaufort: 3 | Total whales 1 — 0 calves at sighting | |
| | 14:31 -PDT | 21:31-GMT | Position: 162° / 528 m Direction: West; Behavior: Speed slow • Traveling |
| Apr 13 | Day 52 of 90 | Daily Totals whales 12 calves 6 | |
| Sighting Number 01 Images: 6316 - 33 | Quality: Fair Beaufort: 1 | Total whales 2 — 1 calf at sighting | |
| | 09:09 -PDT | 16:09-GMT | Position: 185° / 735 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 02 Images: 6335 - 55 | Quality: Fair Beaufort: 1 | Total whales 2 — 1 calf at sighting | |
| | 09:09 -PDT | 16:09-GMT | Position: 114° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:22 -PDT | 16:22-GMT | Position: 146° / 574 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:29 -PDT | 16:29-GMT | Position: 213° / 629 m Direction: West; Behavior: Speed slow • Traveling |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| Sighting Number 04 | Quality: Fair Beaufort: 1 | Total whales 6 — 3 calves at sighting |
| | 09:42 -PDT 16:42-GMT | Position: 102° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:50 -PDT 16:50-GMT | Position: 110° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:53 -PDT 16:53-GMT | Position: 112° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:57 -PDT 16:57-GMT | Position: 132° / 883 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 05 | Quality: Fair Beaufort: 1 | Total whales 2 — 1 calf at sighting |
| | 10:07 -PDT 17:07-GMT | Position: 119° / 1208 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:17 -PDT 17:17-GMT | Position: 152° / 1106 m Direction: West; Behavior: Speed slow • Traveling |
| Apr 14 | Day 53 of 90 | Daily Totals whales 17 calves 6 |
| Sighting Number 02 Images: 6408 - 6536 | Quality: Fair Beaufort: 3 | Total whales 4 — 2 calves at sighting |
| | 09:52 -PDT 16:52-GMT | Position: 108° / 2260 m Direction: West; Behavior: Speed slow • Traveling Along kelp |
| | 09:59 -PDT 16:59-GMT | Position: 112° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:15 -PDT 17:15-GMT | Position: 155° / 629 m Direction: West; Behavior: Speed slow • Traveling along kelp |
| Sighting Number 04 Images: 6538 - 48 | Quality: Excellent Beaufort: 2 | Total whales 2 — 1 calf at sighting |
| | 11:46 -PDT 18:46-GMT | Position: 129° / 946 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:54 -PDT 18:54-GMT | Position: 160° / 696 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 06 Images: 6551 - 95 | Quality: Good Beaufort: 3 | Total whales 2 — 1 calf at sighting |
| | 13:06 -PDT 20:06-GMT | Position: 115° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 13:17 -PDT 20:17-GMT | Position: 121° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | 13:26 -PDT 20:26-GMT | Position: 132° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 07 | Quality: Good Beaufort: 3 | Total whales 2 — 0 calves at sighting |
| | 13:17 -PDT 20:17-GMT | Position: 124° / 3088 m Direction: West; Behavior: Speed slow • Traveling near Condor and "joined" S#6 briefly |
| Sighting Number 09 | Quality: Fair Beaufort: 4 | Total whales 2 — 0 calves at sighting |
| | 13:47 -PDT 20:47-GMT | Position: 144° / 1331 m Direction: West; Behavior: Speed slow • Traveling |
| | 13:55 -PDT 20:55-GMT | Position: 220° / 946 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 10 Images: 6597 - 6624 | Quality: Fair Beaufort: 4 | Total whales 2 — 1 calf at sighting |
| | 14:13 -PDT 21:13-GMT | Position: 108° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | 14:22 -PDT 21:22-GMT | Position: 114° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | 14:32 -PDT 21:32-GMT | Position: 129° / 550 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 11 | Quality: Fair Beaufort: 4 | Total whales 1 — 0 calves at sighting |
| | 15:44 -PDT 22:44-GMT | Position: 117° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 12 Images: 6645 - 6804 | Quality: Poor Beaufort: 4 | Total whales 2 — 1 calf at sighting |
| | 16:59 -PDT 23:59-GMT | Position: 110° / 1674 m Direction: West; Behavior: Speed slow • Traveling |

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17:07 -PDT 0:07; Position: 113° / 1483 m Direction: West; Behavior: Speed slow • Traveling
4/15/2017-GMT

Apr 15 Day 54 of 90 Daily Totals whales 12 calves 5

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| Sighting Number 03 Images: 6805 - 16 | Quality: Fair | Total whales 2 — 1 calf at sighting |
| | Beaufort: 0 | |
| | 10:48 -PDT 17:48-GMT | Position: 102° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:00 -PDT 18:00-GMT | Position: 111° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:17 -PDT 18:17-GMT | Position: 142° / 1208 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 06 | Quality: Fair | Total whales 2 — 0 calves at sighting |
| | Beaufort: 0 | |
| | 11:47 -PDT 18:47-GMT | Position: 134° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:56 -PDT 18:56-GMT | Position: 157° / 1674 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | 12:07 -PDT 19:07-GMT | Position: 207° / 1208 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 09 Images: 6818 - 60 | Quality: Fair | Total whales 2 — 1 calf at sighting |
| | Beaufort: 1 | |
| | 14:26 -PDT 21:26-GMT | Position: 117° / 1403 m Direction: West; Behavior: Speed slow • Traveling |
| | 14:57 -PDT 21:57-GMT | Position: 260° / 883 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 11 Images: 6868 - 6940 (inc video -----) | Quality: Good | Total whales 6 — 3 calves at sighting |
| | Beaufort: 1 | |
| | 15:18 -PDT 22:18-GMT | Position: 101° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | 15:34 -PDT 22:34-GMT | Position: 113° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | 15:59 -PDT 22:59-GMT | Position: 282° / 883 m Direction: West; Behavior: Speed slow • Traveling |

Apr 16 Day 55 of 90 Daily Totals whales 5 calves 2

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| Sighting Number 03 Images: 6955 - 87 | Quality: Fair | Total whales 2 — 1 calf at sighting |
| | Beaufort: 0 | |
| | 11:10 -PDT 18:10-GMT | Position: 109° / 2749 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | 11:17 -PDT 18:17-GMT | Position: 113° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:29 -PDT 18:29-GMT | Position: 131° / 1020 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:38 -PDT 18:38-GMT | Position: 189° / 1020 m Direction: West; Behavior: Speed slow • Traveling just off kelp |
| Sighting Number 04 | Quality: Good | Total whales 1 — 0 calves at sighting |
| | Beaufort: 1 | |
| | 11:54 -PDT 18:54-GMT | Position: 96° / 3088 m Direction: West; Behavior: Speed slow • Traveling just East of breakwater |
| | 12:22 -PDT 19:22-GMT | Position: 116° / 1922 m Direction: West; Behavior: Speed slow • Traveling very difficult whale |
| | 12:25 -PDT 19:25-GMT | Position: 123° / 1403 m Direction: West; Behavior: Speed slow • Traveling |
| | 12:40 -PDT 19:40-GMT | Position: 207° / 913 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 07 Images: 6999 - 7013 | Quality: Fair | Total whales 2 — 1 calf at sighting |
| | Beaufort: 4 | |
| | 16:28 -PDT 23:28-GMT | Position: 115° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | 16:40 -PDT 23:40-GMT | Position: 143° / 883 m Direction: West; Behavior: Speed slow • Traveling |

Apr 17 Day 56 of 90 Daily Totals whales 8 calves 4

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| Sighting Number 02 | Quality: Poor | Total whales 2 — 1 calf at sighting |
| | Beaufort: 3 | |
| | 09:54 -PDT 16:54-GMT | Position: 170° / 574 m Direction: West; Behavior: Speed slow • Traveling |

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| | 09:56 -PDT | 16:56-GMT | Position: 191° / 550 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 03 Images: 7014 - 26 | Quality: Fair Beaufort: 1 | Total whales 2 — 1 calf at sighting | | |
| | 13:56 -PDT | 20:56-GMT | Position: 111° / 2260 m | Direction: West; Behavior: Speed slow • Traveling |
| | IMAGES include vessel that traveled over whales, then turned around and traveled back over whales. But, we don't believe they saw whales. | | | |
| | 14:27 -PDT | 21:27-GMT | Position: 233° / 946 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 04 Images: 7036 - 78 | Quality: Fair Beaufort: 1 | Total whales 2 — 1 calf at sighting | | |
| | 15:12 -PDT | 22:12-GMT | Position: 102° / 3088 m | Direction: West; Behavior: Speed slow • Traveling |
| | 15:25 -PDT | 22:25-GMT | Position: 109° / 2260 m | Direction: West; Behavior: Speed slow • Traveling |
| | next to kelp | | | |
| | 15:33 -PDT | 22:33-GMT | Position: 119° / 1331 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 06 Images: 7130 - 85 | Quality: Fair Beaufort: 1 | Total whales 2 — 1 calf at sighting | | |
| | 16:30 -PDT | 23:30-GMT | Position: 132° / 574 m | Direction: West; Behavior: Speed slow • Traveling |
| | 16:39 -PDT | 23:39-GMT | Position: 186° / 455 m | Direction: Circling; Behavior: Speed slow • Traveling |
| Apr 18 | Day 57 of 90 | | | Daily Totals whales 3 calves 1 |
| Sighting Number 03 Images: 7221 - 39 | Quality: Good Beaufort: 1 | Total whales 1 — 0 calves at sighting | | |
| | 14:29 -PDT | 21:29-GMT | Position: 105° / 2749 m | Direction: West; Behavior: Speed slow • Traveling |
| | 14:43 -PDT | 21:43-GMT | Position: 118° / 1483 m | Direction: West; Behavior: Speed slow • Traveling |
| | 14:47 -PDT | 21:47-GMT | Position: 124° / 883 m | Direction: West; Behavior: Speed slow • Traveling |
| | 15:02 -PDT | 22:02-GMT | Position: 235° / 528 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 04 Images: 7244 - 64 | Quality: Good Beaufort: 3 | Total whales 2 — 1 calf at sighting | | |
| | 15:50 -PDT | 22:50-GMT | Position: 113° / 1674 m | Direction: West; Behavior: Speed slow • Traveling |
| | 16:02 -PDT | 23:02-GMT | Position: 127° / 778 m | Direction: West; Behavior: Speed slow • Traveling |
| Apr 19 | Day 58 of 90 | | | Daily Totals whales 15 calves 7 |
| Sighting Number 01 Images: 7332 - 9 | Quality: Fair Beaufort: 1 | Total whales 2 — 1 calf at sighting | | |
| | 09:06 -PDT | 16:06-GMT | Position: 121° / 1106 m | Direction: West; Behavior: Speed slow • Traveling |
| | 09:14 -PDT | 16:14-GMT | Position: 162° / 661 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 03 | Quality: Good Beaufort: 1 | Total whales 1 — 0 calves at sighting | | |
| | 10:48 -PDT | 17:48-GMT | Position: 101° / 3088 m | Direction: West; Behavior: Speed slow • Traveling |
| | 11:10 -PDT | 18:10-GMT | Position: 126° / 1331 m | Direction: West; Behavior: Speed slow • Traveling |
| | 11:16 -PDT | 18:16-GMT | Position: 152° / 883 m | Direction: West; Behavior: Speed slow • Traveling |
| | 11:23 -PDT | 18:23-GMT | Position: 217° / 696 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 05 Images: 7353 - 7448 | Quality: Good Beaufort: 1 | Total whales 2 — 1 calf at sighting | | |
| | 12:04 -PDT | 19:04-GMT | Position: 98° / 3088 m | Direction: West; Behavior: Speed slow • Traveling |
| | 12:21 -PDT | 19:21-GMT | Position: 106° / 2260 m | Direction: West; Behavior: Speed slow • Traveling |
| | 12:32 -PDT | 19:32-GMT | Position: 109° / 1483 m | Direction: West; Behavior: Speed slow • Traveling |

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| | | 12:48 -PDT 19:48-GMT | Position: 115° / 735 m Direction: West; Behavior: Speed slow • Traveling out of kelp |
| Sighting Number 08 Images: 7452 - 77 (inc video) | Quality: Good Beaufort: 2 | Total whales 2 — 1 calf at sighting | |
| | | 14:08 -PDT 21:08-GMT | Position: 112° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | | 14:22 -PDT 21:22-GMT | Position: 119° / 946 m Direction: West; Behavior: Speed slow • Traveling |
| | | 14:43 -PDT 21:43-GMT | Position: 230° / 629 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 09 Images: 7484 - 7589 | Quality: Good Beaufort: 2 | Total whales 6 — 3 calves at sighting | |
| | | 15:30 -PDT 22:30-GMT | Position: 101° / 3088 m Direction: West; Behavior: Speed slow • Traveling right "goal post" |
| | | 15:45 -PDT 22:45-GMT | Position: 106° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | | 15:55 -PDT 22:55-GMT | Position: 112° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 10 Images: 7591 - 7626 (calf blow) | Quality: Fair Beaufort: 4 | Total whales 2 — 1 calf at sighting | |
| | | 16:32 -PDT 23:32-GMT | Position: 115° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | | 16:37 -PDT 23:37-GMT | Position: 125° / m Direction: West; Behavior: Speed slow • Traveling |
| | | 16:40 -PDT 23:40-GMT | Position: 132° / 883 m Direction: West; Behavior: Speed slow • Traveling |
| Apr 20 | Day 59 of 90 | Daily Totals whales 14 calves 7 | |
| Sighting Number 01 Images: 7628 - 85 | Quality: Fair Beaufort: 2 | Total whales 6 — 3 calves at sighting | |
| | | 08:57 -PDT 15:57-GMT | Position: 118° / 778 m Direction: West; Behavior: Speed slow • Traveling Two pairs in kelp; one pair outside kelp |
| Sighting Number 04 Images: 7687 - 7765 | Quality: Fair Beaufort: 4 | Total whales 6 — 3 calves at sighting | |
| | | 10:43 -PDT 17:43-GMT | Position: / m Direction: West; Behavior: Speed slow • Traveling |
| | | 10:58 -PDT 17:58-GMT | Position: 102° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | | 11:17 -PDT 18:17-GMT | Position: 112° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 05 Images: 7767 - 88 | Quality: Fair Beaufort: 4 | Total whales 2 — 1 calf at sighting | |
| | | 11:35 -PDT 18:35-GMT | Position: 112° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | | 11:39 -PDT 18:39-GMT | Position: 116° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| Apr 21 | Day 60 of 90 | Daily Totals whales 22 calves 11 | |
| Sighting Number 01 Images: 7791 - 7804 | Quality: Fair Beaufort: 1 | Total whales 2 — 1 calf at sighting | |
| | | 09:05 -PDT 16:05-GMT | Position: 120° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | | 09:13 -PDT 16:13-GMT | Position: 135° / 946 m Direction: West; Behavior: Speed slow • Traveling |
| | | 09:18 -PDT 16:18-GMT | Position: 173° / 661 m Direction: North; Behavior: Speed slow • Traveling Pointed at us. |
| Sighting Number 02 Images: 7807 - 30 (front [lead]) | Quality: Fair Beaufort: 1 | Total whales 4 — 2 calves at sighting | |
| | | 09:36 -PDT 16:36-GMT | Position: 101° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | | 09:48 -PDT 16:48-GMT | Position: 112° / 1483 m Direction: West; Behavior: Speed slow • Traveling edge of kelp |
| | | 10:03 -PDT 17:03-GMT | Position: 166° / 550 m Direction: West; Behavior: Speed slow • Traveling Front pair position. (Back pair @ 137°/2.2 [image 7821]) |

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| Sighting Number 03 Images: 7833 - 9 | Quality: Fair | Total whales 2 — 1 calf at sighting |
| | Beaufort: 1 | |
| | 09:58 -PDT 16:58-GMT | Position: 101° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:07 -PDT 17:07-GMT | Position: 112° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:11 -PDT 17:11-GMT | Position: 115° / 1331 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:21 -PDT 17:21-GMT | Position: 126° / 827 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 04 Images: 7841 - 81 | Quality: Fair | Total whales 2 — 1 calf at sighting |
| | Beaufort: 1 | |
| | 10:11 -PDT 17:11-GMT | Position: 104° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:14 -PDT 17:14-GMT | Position: 108° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:32 -PDT 17:32-GMT | Position: 126° / 600 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 05 Images: 7883 - 7998 (S#5 & S#6) | Quality: Fair | Total whales 4 — 2 calves at sighting |
| | Beaufort: 1 | |
| | 11:14 -PDT 18:14-GMT | Position: 97° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:18 -PDT 18:18-GMT | Position: 102° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:33 -PDT 18:33-GMT | Position: 108° / 1922 m Direction: West; Behavior: Speed slow • Traveling 2 pairs from S#5 together with one pair from S#6 |
| Sighting Number 06 Images: 7883 - 7998 (S#5 & S#6) | Quality: Fair | Total whales 4 — 2 calves at sighting |
| | Beaufort: 1 | |
| | 11:19 -PDT 18:19-GMT | Position: 97° / 3528 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:34 -PDT 18:34-GMT | Position: 113° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:40 -PDT 18:40-GMT | Position: 120° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 08 Images: 8000 - 29 | Quality: Good | Total whales 2 — 1 calf at sighting |
| | Beaufort: 1 | |
| | 12:50 -PDT 19:50-GMT | Position: 114° / 1483 m Direction: West; Behavior: Speed slow • Traveling approaching kelp |
| | 13:07 -PDT 20:07-GMT | Position: 172° / 550 m Direction: West; Behavior: Speed slow • Traveling Condor Express now on whales |
| | 13:12 -PDT 20:12-GMT | Position: 219° / 489 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 10 Images: 8032 - 54 | Quality: Fair | Total whales 2 — 1 calf at sighting |
| | Beaufort: 1 | |
| | 16:41 -PDT 23:41-GMT | Position: 118° / 1331 m Direction: West; Behavior: Speed slow • Traveling |
| | 16:45 -PDT 23:45-GMT | Position: 140° / 696 m Direction: West; Behavior: Speed slow • Traveling |
| Apr 22 | Day 61 of 90 | Daily Totals whales 34 calves 17 |
| Sighting Number 01 Images: 8056 - 8138 | Quality: Fair | Total whales 4 — 2 calves at sighting |
| | Beaufort: 1 | |
| | 08:50 -PDT 15:50-GMT | Position: 215° / 489 m Direction: West; Behavior: Speed slow • Traveling |
| | 08:58 -PDT 15:58-GMT | Position: 238° / 489 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 02 Images: 8140 - 5 | Quality: Fair | Total whales 2 — 1 calf at sighting |
| | Beaufort: 1 | |
| | 09:02 -PDT 16:02-GMT | Position: 127° / 1106 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:06 -PDT 16:06-GMT | Position: 152° / 735 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:13 -PDT 16:13-GMT | Position: 215° / 661 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:14 -PDT 16:14-GMT | Position: 234° / 661 m Direction: West; Behavior: Speed slow • Traveling • Fluke |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| Sighting Number 03 Images: 8146 - 58 | Quality: Fair | Total whales 2 — 1 calf at sighting |
| | Beaufort: 1 | |
| | 09:32 -PDT 16:32-GMT | Position: 118° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:37 -PDT 16:37-GMT | Position: 123° / 1106 m Direction: West; Behavior: Speed slow • Traveling • Breach 2 boats nearly traveled over whales - Breach right in front of us (Image 8146) |
| | 10:00 -PDT 17:00-GMT | Position: 220° / 550 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 04 Images: 8160 - 8267 | Quality: Fair | Total whales 4 — 2 calves at sighting |
| | Beaufort: 1 | |
| | 10:04 -PDT 17:04-GMT | Position: 116° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:12 -PDT 17:12-GMT | Position: 125° / 778 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 06 Images: 8269 - 8306 | Quality: Fair | Total whales 2 — 1 calf at sighting |
| | Beaufort: 1 | |
| | 10:32 -PDT 17:32-GMT | Position: 114° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:42 -PDT 17:42-GMT | Position: 148° / 600 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 07 Images: 8307 - 10 | Quality: Fair | Total whales 2 — 1 calf at sighting |
| | Beaufort: 1 | |
| | 10:56 -PDT 17:56-GMT | Position: 205° / 1208 m Direction: West; Behavior: Speed slow • Traveling Checked images and found calf! |
| Sighting Number 10 Images: 8314 - 16 | Quality: Fair | Total whales 2 — 1 calf at sighting |
| | Beaufort: 1 | |
| | 13:44 -PDT 20:44-GMT | Position: 172° / 600 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 11 Images: 8314 - 6 ... 9? | Quality: Fair | Total whales 2 — 1 calf at sighting |
| | Beaufort: 1 | |
| | 13:47 -PDT 20:47-GMT | Position: 184° / 778 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 13 Images: 8364 - 73 | Quality: Fair | Total whales 2 — 1 calf at sighting |
| | Beaufort: 1 | |
| | 15:12 -PDT 22:12-GMT | Position: 136° / 883 m Direction: West; Behavior: Speed slow • Traveling |
| | 15:16 -PDT 22:16-GMT | Position: 182° / 574 m Direction: West; Behavior: Speed slow • Traveling |
| | 15:25 -PDT 22:25-GMT | Position: 251° / 600 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 14 Images: 8375 - 8419 | Quality: Fair | Total whales 2 — 1 calf at sighting |
| | Beaufort: 1 | |
| | 15:19 -PDT 22:19-GMT | Position: 114° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | 15:29 -PDT 22:29-GMT | Position: 117° / 883 m Direction: West; Behavior: Speed slow • Traveling next to kelp |
| | 15:44 -PDT 22:44-GMT | Position: 251° / 778 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 15 Images: 8421 - 67 | Quality: Fair | Total whales 4 — 2 calves at sighting |
| | Beaufort: 1 | |
| | 16:14 -PDT 23:14-GMT | Position: 161° / 600 m Direction: West; Behavior: Speed slow • Traveling |
| | 16:22 -PDT 23:22-GMT | Position: 251° / 661 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 16 Images: 8469 - 8577 | Quality: Fair | Total whales 4 — 2 calves at sighting |
| | Beaufort: 1 | |
| | 16:24 -PDT 23:24-GMT | Position: 125° / 1020 m Direction: West; Behavior: Speed slow • Traveling |
| | 16:41 -PDT 23:41-GMT | Position: 180° / 574 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 17 Images: 8580 - 99 | Quality: Fair | Total whales 2 — 1 calf at sighting |
| | Beaufort: 1 | |
| | 16:49 -PDT 23:49-GMT | Position: 124° / 1208 m Direction: West; Behavior: Speed slow • Traveling |

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17:01 -PDT 0:01; Position: 138° / 778 m Direction: West; Behavior: Speed slow • Traveling
4/23/2017-GMT

Apr 23 Day 62 of 90 Daily Totals whales 13 calves 6

| | | |
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| Sighting Number 03 Images: 8602 - 3 | Quality: Fair | Total whales 1 — 0 calves at sighting |
| | Beaufort: 3 | |
| | 10:31 -PDT 17:31-GMT | Position: 116° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:37 -PDT 17:37-GMT | Position: 137° / 827 m Direction: West; Behavior: Speed slow • Traveling |
| 10:40 -PDT 17:40-GMT | Position: 166° / 629 m Direction: West; Behavior: Speed slow • Traveling | |

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| Sighting Number 04 Images: 8605 - 16 | Quality: Fair | Total whales 2 — 1 calf at sighting |
| | Beaufort: 3 | |
| | 11:31 -PDT 18:31-GMT | Position: 107° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| 11:51 -PDT 18:51-GMT | Position: 141° / 661 m Direction: West; Behavior: Speed slow • Traveling | |

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| Sighting Number 05 Images: 8618 - 91 | Quality: Fair | Total whales 2 — 1 calf at sighting |
| | Beaufort: 3 | |
| | 11:53 -PDT 18:53-GMT | Position: 108° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:57 -PDT 18:57-GMT | Position: 112° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | 12:06 -PDT 19:06-GMT | Position: 115° / 827 m Direction: West; Behavior: Speed slow • Traveling edge of kelp |
| 12:26 -PDT 19:26-GMT | Position: 252° / 629 m Direction: West; Behavior: Speed slow • Traveling | |

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| Sighting Number 06 Images: 8693 - 8718 | Quality: Fair | Total whales 2 — 1 calf at sighting |
| | Beaufort: 3 | |
| | 12:34 -PDT 19:34-GMT | Position: 119° / 1020 m Direction: West; Behavior: Speed slow • Traveling |
| 12:40 -PDT 19:40-GMT | Position: 145° / 574 m Direction: West; Behavior: Speed slow • Traveling | |

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| Sighting Number 07 Images: 8720 - 61 (lead) 8763 - 8846 (inc Tt) | Quality: Fair | Total whales 4 — 2 calves at sighting |
| | Beaufort: 3 | |
| | 12:55 -PDT 19:55-GMT | Position: 102° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | 13:01 -PDT 20:01-GMT | Position: 105° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | 13:16 -PDT 20:16-GMT | Position: 114° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | 13:43 -PDT 20:43-GMT | Position: 197° / 600 m Direction: West; Behavior: Speed slow • Traveling lead pair |
| | 13:51 -PDT 20:51-GMT | Position: 126° / 455 m Direction: West; Behavior: Speed slow • Traveling trail pair (Images 8763 - 8846 [inc Tt]) |
| | 14:00 -PDT 21:00-GMT | Position: 173° / 366 m Direction: West; Behavior: Speed slow • Traveling |
| 14:08 -PDT 21:08-GMT | Position: 234° / 400 m Direction: West; Behavior: Speed slow • Traveling | |

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| Sighting Number 09 Images: 8848 - 63 | Quality: Fair | Total whales 2 — 1 calf at sighting |
| | Beaufort: 3 | |
| | 14:15 -PDT 21:15-GMT | Position: 116° / 778 m Direction: West; Behavior: Speed slow • Traveling along kelp |
| | 14:21 -PDT 21:21-GMT | Position: 155° / 574 m Direction: West; Behavior: Speed slow • Traveling |
| 14:24 -PDT 21:24-GMT | Position: 184° / 550 m Direction: West; Behavior: Speed slow • Traveling outside kelp | |

Apr 24 Day 63 of 90 Daily Totals whales 7 calves 3

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| Sighting Number 01 Images: 8866 - 8931 | Quality: Fair | Total whales 6 — 3 calves at sighting |
| | Beaufort: 3 | |
| | 08:51 -PDT 15:51-GMT | Position: 119° / 1331 m Direction: West; Behavior: Speed slow • Traveling |
| 08:57 -PDT 15:57-GMT | Position: 119° / 883 m Direction: West; Behavior: Speed slow • Traveling | |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| | 09:01 -PDT | 16:01-GMT | Position: 133° / 600 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 02 Images: no images | Quality: Poor Beaufort: 4 | Total whales 1 — nd calves at sighting | |
| | 09:41 -PDT | 16:41-GMT | Position: 137° / 2260 m Direction: West; Behavior: Speed slow • Traveling may have been a M/c pair |
| | 09:44 -PDT | 16:44-GMT | Position: 141° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| Apr 25 | Day 64 of 90 | Daily Totals | whales 16 calves 8 |
| Sighting Number 01 Images: 9026 - 96 | Quality: Fair Beaufort: 4 | Total whales 2 — 1 calf at sighting | |
| | 08:46 -PDT | 15:46-GMT | Position: 214° / 508 m Direction: West; Behavior: Speed slow • Traveling |
| | 08:51 -PDT | 15:51-GMT | Position: 249° / 629 m Direction: West; Behavior: Speed slow • Traveling |
| | 08:54 -PDT | 15:54-GMT | Position: 264° / 528 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 02 Images: 9097 - 9155 | Quality: Fair Beaufort: 4 | Total whales 2 — 1 calf at sighting | |
| | 09:01 -PDT | 16:01-GMT | Position: 138° / 412 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:05 -PDT | 16:05-GMT | Position: 149° / 377 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:11 -PDT | 16:11-GMT | Position: 140° / 471 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:20 -PDT | 16:20-GMT | Position: 232° / 600 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 03 Images: 9157 - 9352 (inc video) | Quality: Fair Beaufort: 4 | Total whales 8 — 4 calves at sighting | |
| | 10:12 -PDT | 17:12-GMT | Position: 98° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:23 -PDT | 17:23-GMT | Position: 102° / 2749 m Direction: West; Behavior: Speed slow • Traveling • Breach Several breaches |
| | 10:52 -PDT | 17:52-GMT | Position: 118° / 1331 m Direction: West; Behavior: Speed slow • Traveling • Breach Several more breaches |
| | 11:05 -PDT | 18:05-GMT | Position: 169° / 550 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 04 Images: 9355 - 6 | Quality: Poor Beaufort: 4 | Total whales 2 — 1 calf at sighting | |
| | 11:27 -PDT | 18:27-GMT | Position: 118° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:32 -PDT | 18:32-GMT | Position: 128° / 1106 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:37 -PDT | 18:37-GMT | Position: 138° / 827 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:44 -PDT | 18:44-GMT | Position: 252° / 574 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 05 Images: 9358 - 60 | Quality: Poor Beaufort: 4 | Total whales 2 — 1 calf at sighting | |
| | 11:31 -PDT | 18:31-GMT | Position: 118° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:45 -PDT | 18:45-GMT | Position: 231° / 661 m Direction: West; Behavior: Speed slow • Traveling |
| Apr 26 | Day 65 of 90 | Daily Totals | whales 24 calves 12 |
| Sighting Number 01 Images: 9364 - 9504 | Quality: Poor Beaufort: 4 | Total whales 6 — 3 calves at sighting | |
| | 09:15 -PDT | 16:15-GMT | Position: 110° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:17 -PDT | 16:17-GMT | Position: 114° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:28 -PDT | 16:28-GMT | Position: 120° / 827 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:53 -PDT | 16:53-GMT | Position: 271° / 661 m Direction: West; Behavior: Speed slow • Traveling |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| Sighting Number 02 Images: 9507 - 39 | Quality: Poor | Total whales 4 — 2 calves at sighting |
| | Beaufort: 4 | |
| | 09:52 -PDT 16:52-GMT | Position: 123° / 1331 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:56 -PDT 16:56-GMT | Position: 134° / 883 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:10 -PDT 17:10-GMT | Position: 272° / 827 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 03 Images: 9541 - 9665 | Quality: Poor | Total whales 6 — 3 calves at sighting |
| | Beaufort: 4 | |
| | 10:27 -PDT 17:27-GMT | Position: 99° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:37 -PDT 17:37-GMT | Position: 104° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:50 -PDT 17:50-GMT | Position: 116° / 1403 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:14 -PDT 18:14-GMT | Position: 259° / 489 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 04 Images: 9667 - 9745 | Quality: Poor | Total whales 8 — 4 calves at sighting |
| | Beaufort: 4 | |
| | 10:46 -PDT 17:46-GMT | Position: 99° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:55 -PDT 17:55-GMT | Position: 103° / 3088 m Direction: West; Behavior: Speed slow • Traveling part of group at 86°/.3 |
| | 10:55 -PDT 17:55-GMT | Position: 103° / 3088 m Direction: West; Behavior: Speed slow • Traveling part of group at 86°/.3 |
| | 11:18 -PDT 18:18-GMT | Position: 117° / 1483 m Direction: West; Behavior: Speed slow • Traveling part of group at 99°/.5 |
| | 11:30 -PDT 18:30-GMT | Position: 170° / 528 m Direction: West; Behavior: Speed slow • Traveling part of group at 1133 @ 200°/2.5 |

Apr 27 Day 66 of 90 Daily Totals whales 12 calves 6

| | | |
|--|----------------------|--|
| Sighting Number 01 Images: 9753 - 9873 (inc video) | Quality: Poor | Total whales 8 — 4 calves at sighting |
| | Beaufort: 4 | |
| | 08:46 -PDT 15:46-GMT | Position: 121° / 827 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:00 -PDT 16:00-GMT | Position: 279° / 696 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 02 Images: 9876 - 9966 | Quality: Poor | Total whales 2 — 1 calf at sighting |
| | Beaufort: 4 | |
| | 11:57 -PDT 18:57-GMT | Position: 105° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| | 12:18 -PDT 19:18-GMT | Position: 118° / 455 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 03 Images: 9968 - 77 | Quality: Poor | Total whales 2 — 1 calf at sighting |
| | Beaufort: 4 | |
| | 12:08 -PDT 19:08-GMT | Position: 101° / 2749 m Direction: West; Behavior: Speed slow • Traveling Outside kelp OFF-EFFORT at 1308 @ 97°/.6 W - tracked whales off-effort until 1334 for images |

Apr 28 Day 67 of 90 Daily Totals whales 7 calves 3

| | | |
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| Sighting Number 01 | Quality: Fair | Total whales 1 — 0 calves at sighting |
| | Beaufort: 4 | |
| | 08:56 -PDT 15:56-GMT | Position: 137° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:01 -PDT 16:01-GMT | Position: 171° / 946 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:02 -PDT 16:02-GMT | Position: 183° / 696 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 02 Images: 9978 - 94 | Quality: Fair | Total whales 2 — 1 calf at sighting |
| | Beaufort: 4 | |
| | 09:05 -PDT 16:05-GMT | Position: / m Direction: West; Behavior: Speed slow • Traveling |
| | 09:09 -PDT 16:09-GMT | Position: 129° / 550 m Direction: West; Behavior: Speed slow • Traveling |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

| | | 09:21 -PDT | 16:21-GMT | Position: 238° / 550 m | Direction: West; Behavior: Speed slow • Traveling |
|--|---------------|--|---|------------------------|---|
| Sighting Number 03 Images: 9997 - 10036 | Quality: Fair | Total whales 4 — 2 calves at sighting | | | |
| | Beaufort: 4 | | | | |
| | 10:15 -PDT | 17:15-GMT | Position: 99° / 3088 m Direction: West; Behavior: Speed slow • Traveling | | |
| | 10:25 -PDT | 17:25-GMT | Position: 106° / 1922 m Direction: West; Behavior: Speed slow • Traveling outside kelp | | |
| | 10:34 -PDT | 17:34-GMT | Position: 114° / 1483 m Direction: West; Behavior: Speed slow • Traveling outside kelp | | |
| 10:54 -PDT | 17:54-GMT | Position: 207° / 528 m Direction: West; Behavior: Speed slow • Traveling | | | |
| <hr/> | | | | | |
| Apr 29 | Day 68 of 90 | | | Daily Totals | whales 22 calves 11 |
| Sighting Number 01 Images: 0038 - 40 | Quality: Poor | Total whales 2 — 1 calf at sighting | | | |
| | Beaufort: 1 | | | | |
| | 09:16 -PDT | 16:16-GMT | Position: 124° / 827 m Direction: West; Behavior: Speed slow • Traveling | | |
| | 09:24 -PDT | 16:24-GMT | Position: 206° / 550 m Direction: West; Behavior: Speed slow • Traveling | | |
| 09:28 -PDT | 16:28-GMT | Position: 262° / 600 m Direction: West; Behavior: Speed slow • Traveling | | | |
| Sighting Number 03 Images: 0041 - 69 | Quality: Fair | Total whales 2 — 1 calf at sighting | | | |
| | Beaufort: 0 | | | | |
| | 12:40 -PDT | 19:40-GMT | Position: 117° / 1674 m Direction: West; Behavior: Speed slow • Traveling | | |
| | 12:47 -PDT | 19:47-GMT | Position: 127° / 778 m Direction: West; Behavior: Speed slow • Traveling | | |
| | 12:51 -PDT | 19:51-GMT | Position: 166° / 574 m Direction: West; Behavior: Speed slow • Traveling | | |
| 12:59 -PDT | 19:59-GMT | Position: 249° / 600 m Direction: West; Behavior: Speed slow • Traveling | | | |
| Sighting Number 04 | Quality: Fair | Total whales 2 — 1 calf at sighting | | | |
| | Beaufort: 0 | | | | |
| | 12:58 -PDT | 19:58-GMT | Position: 199° / 1020 m Direction: West; Behavior: Speed slow • Traveling | | |
| 13:01 -PDT | 20:01-GMT | Position: 234° / 1106 m Direction: West; Behavior: Speed slow • Traveling | | | |
| Sighting Number 05 Images: 0071 - 83 | Quality: Fair | Total whales 2 — 1 calf at sighting | | | |
| | Beaufort: 0 | | | | |
| | 13:17 -PDT | 20:17-GMT | Position: 117° / 1483 m Direction: West; Behavior: Speed slow • Traveling | | |
| | 13:21 -PDT | 20:21-GMT | Position: 128° / 946 m Direction: West; Behavior: Speed slow • Traveling | | |
| 13:27 -PDT | 20:27-GMT | Position: 194° / 489 m Direction: West; Behavior: Speed slow • Traveling | | | |
| Sighting Number 07 Images: 0094 - 0169 | Quality: Fair | Total whales 2 — 1 calf at sighting | | | |
| | Beaufort: 0 | | | | |
| | 13:45 -PDT | 20:45-GMT | Position: 99° / 2749 m Direction: West; Behavior: Speed slow • Traveling | | |
| | 13:52 -PDT | 20:52-GMT | Position: 97° / 1922 m Direction: West; Behavior: Speed slow • Traveling | | |
| | 13:58 -PDT | 20:58-GMT | Position: 103° / 1483 m Direction: West; Behavior: Speed slow • Traveling | | |
| 14:29 -PDT | 21:29-GMT | Position: 260° / 661 m Direction: West; Behavior: Speed slow • Traveling | | | |
| Sighting Number 08 Images: 0085 - 92 | Quality: Fair | Total whales 2 — 1 calf at sighting | | | |
| | Beaufort: 0 | | | | |
| | 14:14 -PDT | 21:14-GMT | Position: 185° / 489 m Direction: West; Behavior: Speed slow • Traveling | | |
| 14:21 -PDT | 21:21-GMT | Position: 256° / 827 m Direction: West; Behavior: Speed slow • Traveling | | | |
| Sighting Number 09 Images: 0172 - 6 (see S#11) | Quality: Fair | Total whales 2 — 1 calf at sighting | | | |
| | Beaufort: 0 | | | | |
| 15:26 -PDT | 22:26-GMT | Position: 105° / 2749 m Direction: West; Behavior: Speed slow • Traveling joined S#11 | | | |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| Sighting Number 11 Images: 0172 - 6 (see S#9) | Quality: Fair | Total whales 2 — 1 calf at sighting |
| | Beaufort: 0 | |
| | 15:34 -PDT 22:34-GMT | Position: 111° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | 15:54 -PDT 22:54-GMT | Position: 152° / 946 m Direction: West; Behavior: Speed slow • Traveling joined with S#9 |
| | 16:00 -PDT 23:00-GMT | Position: 204° / 600 m Direction: West; Behavior: Speed slow • Traveling |
| 16:08 -PDT 23:08-GMT | Position: 260° / 827 m Direction: West; Behavior: Speed slow • Traveling | |
| Sighting Number 12 Images: Pair 1-0178 - 93 — Pair 0200 - 0202 | Quality: Fair | Total whales 6 — 3 calves at sighting |
| | Beaufort: 0 | |
| | 16:02 -PDT 23:02-GMT | Position: 98° / 3088 m Direction: West; Behavior: Speed slow • Traveling whales with Condor rounding Campus Pt |
| | 16:13 -PDT 23:13-GMT | Position: 111° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| 16:17 -PDT 23:17-GMT | Position: 118° / 1674 m Direction: West; Behavior: Speed slow • Traveling saw pairs separated at 92° (3) - 97° (2) - 104° (1) | |
| <hr/> | | |
| Apr 30 | Day 69 of 90 | Daily Totals whales 18 calves 9 |
| Sighting Number 01 Images: 0250 - 87 | Quality: Fair | Total whales 2 — 1 calf at sighting |
| | Beaufort: 0 | |
| | 09:01 -PDT 16:01-GMT | Position: 118° / 1331 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:04 -PDT 16:04-GMT | Position: 123° / 1020 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:11 -PDT 16:11-GMT | Position: 155° / 661 m Direction: West; Behavior: Speed slow • Traveling |
| 09:22 -PDT 16:22-GMT | Position: 257° / 661 m Direction: West; Behavior: Speed slow • Traveling | |
| Sighting Number 02 Images: 0289 - 0418 | Quality: Fair | Total whales 2 — 1 calf at sighting |
| | Beaufort: 0 | |
| | 09:31 -PDT 16:31-GMT | Position: 104° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | 09:51 -PDT 16:51-GMT | Position: 110° / 1922 m Direction: Circling; Behavior: Speed slow • Traveling next to kelp - been there a long time |
| | 09:59 -PDT 16:59-GMT | Position: 114° / 1403 m Direction: West; Behavior: Speed slow • Traveling |
| 10:39 -PDT 17:39-GMT | Position: 215° / 455 m Direction: West; Behavior: Speed slow • Traveling | |
| Sighting Number 03 Images: 0420 - 43 | Quality: Fair | Total whales 2 — 1 calf at sighting |
| | Beaufort: 0 | |
| | 10:38 -PDT 17:38-GMT | Position: 106° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:48 -PDT 17:48-GMT | Position: 114° / 1674 m Direction: West; Behavior: Speed slow • Traveling at kelp edge |
| | 10:55 -PDT 17:55-GMT | Position: 129° / 778 m Direction: West; Behavior: Speed slow • Traveling |
| 10:59 -PDT 17:59-GMT | Position: 156° / 489 m Direction: West; Behavior: Speed slow • Traveling | |
| Sighting Number 04 Images: 0445 - 0506 | Quality: Fair | Total whales 2 — 1 calf at sighting |
| | Beaufort: 0 | |
| | 11:05 -PDT 18:05-GMT | Position: 106° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:17 -PDT 18:17-GMT | Position: 111° / 1483 m Direction: Circling; Behavior: Speed slow • Traveling in kelp pool |
| 11:28 -PDT 18:28-GMT | Position: 126° / 661 m Direction: West; Behavior: Speed slow • Traveling | |
| Sighting Number 05 Images: 0508 - 18 | Quality: Fair | Total whales 2 — 1 calf at sighting |
| | Beaufort: 0 | |
| | 11:44 -PDT 18:44-GMT | Position: 104° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| 11:56 -PDT 18:56-GMT | Position: 112° / 2749 m Direction: West; Behavior: Speed slow • Traveling | |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| | 12:00 -PDT | 19:00-GMT | Position: 116° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | 12:11 -PDT | 19:11-GMT | Position: 171° / 629 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 06 Images: 0520 - 55 | Quality: Poor Beaufort: 0 | Total whales 2 — 1 calf at sighting | |
| | 12:51 -PDT | 19:51-GMT | Position: 107° / 1922 m Direction: Circling; Behavior: Speed slow • Traveling in kelp pool |
| | 13:02 -PDT | 20:02-GMT | Position: 117° / 1106 m Direction: West; Behavior: Speed slow • Traveling next to kelp |
| | 13:10 -PDT | 20:10-GMT | Position: 161° / 539 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 07 | Quality: Poor Beaufort: 0 | Total whales 2 — 1 calf at sighting | |
| | 14:07 -PDT | 21:07-GMT | Position: 213° / 600 m Direction: West; Behavior: Speed slow • Traveling |
| | 14:11 -PDT | 21:11-GMT | Position: 235° / 550 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 08 Images: 0568 - 0675 | Quality: Poor Beaufort: 2 | Total whales 2 — 1 calf at sighting | |
| | 16:03 -PDT | 23:03-GMT | Position: 107° / 735 m Direction: West; Behavior: Speed slow • Traveling |
| | 16:08 -PDT | 23:08-GMT | Position: 118° / 600 m Direction: West; Behavior: Speed slow • Traveling |
| | 16:16 -PDT | 23:16-GMT | Position: 157° / 314 m Direction: West; Behavior: Speed slow • Traveling |
| | 16:21 -PDT | 23:21-GMT | Position: 182° / 382 m Direction: West; Behavior: Speed slow • Traveling just off kelp |
| Sighting Number 09 Images: 0677 - 9 | Quality: Poor Beaufort: 2 | Total whales 2 — 1 calf at sighting | |
| | 16:45 -PDT | 23:45-GMT | Position: 107° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | 16:57 -PDT | 23:57-GMT | Position: 134° / 1020 m Direction: West; Behavior: Speed slow • Traveling |
| May 01 | Day 70 of 90 | Daily Totals | whales 10 calves 5 |
| Sighting Number 01 Images: 0682 - 0777 (Inc video) | Quality: Fair Beaufort: 1 | Total whales 4 — 2 calves at sighting | |
| | 09:01 -PDT | 16:01-GMT | Position: 101° / 1922 m Direction: Circling; Behavior: Speed slow • Traveling in kelp pool |
| | 09:12 -PDT | 16:12-GMT | Position: 105° / 1483 m Direction: West; Behavior: Speed slow • Traveling very long time in area |
| | 09:41 -PDT | 16:41-GMT | Position: 118° / 1106 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:26 -PDT | 17:26-GMT | Position: 151° / 400 m Direction: West; Behavior: Speed slow • Traveling along kelp |
| | 10:30 -PDT | 17:30-GMT | Position: 172° / 489 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:49 -PDT | 17:49-GMT | Position: 245° / 528 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 02 | Quality: Fair Beaufort: 1 | Total whales 2 — 1 calf at sighting | |
| | 11:15 -PDT | 18:15-GMT | Position: 110° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:22 -PDT | 18:22-GMT | Position: 123° / 1331 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:30 -PDT | 18:30-GMT | Position: 173° / 629 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 03 Images: 0781 - 0922 (inc video) | Quality: Fair Beaufort: 1 | Total whales 4 — 2 calves at sighting | |
| | 12:15 -PDT | 19:15-GMT | Position: 98° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | 12:24 -PDT | 19:24-GMT | Position: 102° / 1483 m Direction: West; Behavior: Speed slow • Traveling |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| | 12:41 -PDT | 19:41-GMT | Position: 108° / 1106 m | Direction: West; Behavior: Speed slow • Traveling |
| | 13:17 -PDT | 20:17-GMT | Position: 233° / 508 m | Direction: West; Behavior: Speed slow • Traveling |
| May 02 | Day 71 of 90 | | Daily Totals whales 8 calves 4 | |
| Sighting Number 01 Images: 0946 - 1031 | Quality: Fair Beaufort: 0 | Total whales 2 — 1 calf at sighting | | |
| | 10:10 -PDT | 17:10-GMT | Position: 100° / 1922 m | Direction: West; Behavior: Speed slow • Traveling just inside of kelp |
| | 10:26 -PDT | 17:26-GMT | Position: 106° / 1674 m | Direction: West; Behavior: Speed slow • Traveling |
| | 10:37 -PDT | 17:37-GMT | Position: 111° / 1106 m | Direction: West; Behavior: Speed slow • Traveling |
| | 11:01 -PDT | 18:01-GMT | Position: 232° / 412 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 02 Images: 1036 - 72 | Quality: Fair Beaufort: 1 | Total whales 2 — 1 calf at sighting | | |
| | 12:35 -PDT | 19:35-GMT | Position: 105° / 2749 m | Direction: West; Behavior: Speed slow • Traveling |
| | 12:53 -PDT | 19:53-GMT | Position: 118° / 1331 m | Direction: West; Behavior: Speed slow • Traveling |
| | 13:07 -PDT | 20:07-GMT | Position: 129° / 600 m | Direction: West; Behavior: Speed slow • Traveling |
| | 13:20 -PDT | 20:20-GMT | Position: 209° / 539 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 03 Images: 1075 - 1121 | Quality: Fair Beaufort: 0 | Total whales 2 — 1 calf at sighting | | |
| | 13:35 -PDT | 20:35-GMT | Position: 103° / 3088 m | Direction: West; Behavior: Speed slow • Traveling |
| | 13:49 -PDT | 20:49-GMT | Position: 104° / 2260 m | Direction: West; Behavior: Speed slow • Traveling |
| | 14:24 -PDT | 21:24-GMT | Position: 164° / 539 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 04 Images: 1139 - 55 | Quality: Fair Beaufort: 0 | Total whales 2 — 1 calf at sighting | | |
| | 16:31 -PDT | 23:31-GMT | Position: 108° / 2260 m | Direction: West; Behavior: Speed slow • Traveling |
| | 16:37 -PDT | 23:37-GMT | Position: 112° / 1922 m | Direction: West; Behavior: Speed slow • Traveling • Breach • Fluke kayaker pursuing whales at edge of kelp - two breaches and kayaker backed off |
| | 16:51 -PDT | 23:51-GMT | Position: 121° / 1331 m | Direction: West; Behavior: Speed slow • Traveling |
| May 03 | Day 72 of 90 | | Daily Totals whales 2 calves 1 | |
| Sighting Number 01 | Quality: Fair Beaufort: 2 | Total whales 2 — 1 calf at sighting | | |
| | 11:35 -PDT | 18:35-GMT | Position: 105° / 2749 m | Direction: West; Behavior: Speed slow • Traveling |
| | 11:41 -PDT | 18:41-GMT | Position: 109° / 2260 m | Direction: West; Behavior: Speed slow • Traveling |
| | 11:53 -PDT | 18:53-GMT | Position: 128° / 946 m | Direction: West; Behavior: Speed slow • Traveling |
| | 11:59 -PDT | 18:59-GMT | Position: 166° / 550 m | Direction: West; Behavior: Speed slow • Traveling |
| May 04 | Day 73 of 90 | | Daily Totals whales 16 calves 8 | |
| Sighting Number 01 Images: 1290 - 1374 | Quality: Poor Beaufort: 0 | Total whales 4 — 2 calves at sighting | | |
| | 10:55 -PDT | 17:55-GMT | Position: 218° / 550 m | Direction: West; Behavior: Speed slow • Traveling Big white spot on one of calves' right side - traveling next to kelp |
| | 11:02 -PDT | 18:02-GMT | Position: 264° / 778 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 02 Images: 1375 - 1455 | Quality: Poor Beaufort: 0 | Total whales 2 — 1 calf at sighting | | |
| | 11:28 -PDT | 18:28-GMT | Position: 123° / 412 m | Direction: West; Behavior: Speed slow • Traveling |
| | 11:31 -PDT | 18:31-GMT | Position: 147° / 366 m | Direction: West; Behavior: Speed slow • Traveling |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| | 11:37 -PDT | 18:37-GMT | Position: 192° / 356 m | Direction: West; Behavior: Speed slow • Traveling |
| | 11:46 -PDT | 18:46-GMT | Position: 257° / 471 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 03 Images: 1460 - 95 | Quality: Fair Beaufort: 3 | Total whales 2 — 1 calf at sighting | | |
| | 13:59 -PDT | 20:59-GMT | Position: 106° / 2749 m | Direction: West; Behavior: Speed slow • Traveling • Breach 2 breaches |
| | 14:12 -PDT | 21:12-GMT | Position: 112° / 1922 m | Direction: West; Behavior: Speed slow • Traveling along kelp |
| | 14:24 -PDT | 21:24-GMT | Position: 137° / 678 m | Direction: West; Behavior: Speed slow • Traveling |
| | 14:38 -PDT | 21:38-GMT | Position: 223° / 550 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 04 | Quality: Fair Beaufort: 3 | Total whales 2 — 1 calf at sighting | | |
| | 14:59 -PDT | 21:59-GMT | Position: 113° / 1922 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 06 Images: 1497 - 1623 | Quality: Poor Beaufort: 4 | Total whales 6 — 3 calves at sighting | | |
| | 15:40 -PDT | 22:40-GMT | Position: 103° / 2749 m | Direction: West; Behavior: Speed slow • Traveling |
| | 15:51 -PDT | 22:51-GMT | Position: 110° / 1922 m | Direction: West; Behavior: Speed slow • Traveling One pair in kelp; other two pairs along kelp |
| | 16:03 -PDT | 23:03-GMT | Position: 129° / 1331 m | Direction: West; Behavior: Speed slow • Traveling |
| May 05 | Day 74 of 90 | Daily Totals | | whales 16 calves 8 |
| Sighting Number 02 Images: 1637 - 52 | Quality: Fair Beaufort: 0 | Total whales 2 — 1 calf at sighting | | |
| | 10:19 -PDT | 17:19-GMT | Position: 133° / 883 m | Direction: West; Behavior: Speed slow • Traveling Sleep/Stealth mode |
| | 10:29 -PDT | 17:29-GMT | Position: 232° / 661 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 03 Images: 1655 - 1805 | Quality: Fair Beaufort: 0 | Total whales 6 — 3 calves at sighting | | |
| | 10:42 -PDT | 17:42-GMT | Position: 116° / 1403 m | Direction: West; Behavior: Speed slow • Traveling next to kelp |
| | 10:57 -PDT | 17:57-GMT | Position: 133° / 600 m | Direction: West; Behavior: Speed slow • Traveling |
| | 11:22 -PDT | 18:22-GMT | Position: 223° / 528 m | Direction: West; Behavior: Speed slow • Traveling Coast Guard helicopter hovered over whales — altitude about 45 meters (150 feet) |
| Sighting Number 07 Images: 1819 - 52 | Quality: Fair Beaufort: 2 | Total whales 6 — 3 calves at sighting | | |
| | 15:54 -PDT | 22:54-GMT | Position: 105° / 2749 m | Direction: West; Behavior: Speed slow • Traveling |
| | 16:00 -PDT | 23:00-GMT | Position: 108° / 2260 m | Direction: West; Behavior: Speed slow • Traveling approaching kelp |
| | 16:17 -PDT | 23:17-GMT | Position: 136° / 696 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 09 Images: 1854 - 90 | Quality: Fair Beaufort: 2 | Total whales 2 — 1 calf at sighting | | |
| | 16:48 -PDT | 23:48-GMT | Position: 106° / 2260 m | Direction: West; Behavior: Speed slow • Traveling |
| | 16:55 -PDT | 23:55-GMT | Position: 112° / 1922 m | Direction: West; Behavior: Speed slow • Traveling |
| May 06 | Day 75 of 90 | Daily Totals | | whales 4 calves 2 |
| Sighting Number 01 Images: 1891 - 7 | Quality: Poor Beaufort: 4 | Total whales 4 — 2 calves at sighting | | |
| | 08:54 -PDT | 15:54-GMT | Position: 153° / 600 m | Direction: West; Behavior: Speed slow • Traveling Sportfishing boat ran over submerged whales |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| | 08:59 -PDT | 15:59-GMT | Position: 176° / 661 m | Direction: West; Behavior: Speed slow • Traveling |
| | 09:08 -PDT | 16:08-GMT | Position: 256° / 574 m | Direction: West; Behavior: Speed slow • Traveling |
| May 07 | Day 76 of 90 | | Daily Totals whales 8 calves 4 | |
| Sighting Number 01 Images: 1908 - 13 | Quality: Fair Beaufort: 1 | Total whales 2 — 1 calf at sighting | | |
| | 11:51 -PDT | 18:51-GMT | Position: 241° / 661 m | Direction: West; Behavior: Speed slow • Traveling |
| | 11:55 -PDT | 18:55-GMT | Position: 278° / 550 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 03 Images: 1915 - 39 | Quality: Fair Beaufort: 1 | Total whales 2 — 1 calf at sighting | | |
| | 13:00 -PDT | 20:00-GMT | Position: 125° / 1020 m | Direction: West; Behavior: Speed slow • Traveling |
| | 13:04 -PDT | 20:04-GMT | Position: 143° / 778 m | Direction: West; Behavior: Speed slow • Traveling |
| | 13:14 -PDT | 20:14-GMT | Position: 237° / 629 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 04 Images: 1940 - 54 | Quality: Good Beaufort: 1 | Total whales 2 — 1 calf at sighting | | |
| | 13:25 -PDT | 20:25-GMT | Position: 163° / 471 m | Direction: West; Behavior: Speed slow • Traveling |
| | 13:29 -PDT | 20:29-GMT | Position: 203° / 489 m | Direction: West; Behavior: Speed slow • Traveling |
| | 13:37 -PDT | 20:37-GMT | Position: 263° / 1483 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 05 Images: 1957 - 8 | Quality: Good Beaufort: 1 | Total whales 2 — 1 calf at sighting | | |
| | 13:46 -PDT | 20:46-GMT | Position: 103° / 2749 m | Direction: West; Behavior: Speed slow • Traveling |
| | 13:55 -PDT | 20:55-GMT | Position: 108° / 2749 m | Direction: West; Behavior: Speed slow • Traveling |
| | 14:02 -PDT | 21:02-GMT | Position: 114° / 1922 m | Direction: West; Behavior: Speed slow • Traveling |
| | 14:06 -PDT | 21:06-GMT | Position: 118° / 1483 m | Direction: West; Behavior: Speed slow • Traveling |
| | 14:12 -PDT | 21:12-GMT | Position: 132° / 1020 m | Direction: West; Behavior: Speed slow • Traveling |
| | 14:17 -PDT | 21:17-GMT | Position: 159° / 696 m | Direction: West; Behavior: Speed slow • Traveling |
| | 14:26 -PDT | 21:26-GMT | Position: 243° / 735 m | Direction: West; Behavior: Speed slow • Traveling |
| May 08 | Day 77 of 90 | | Daily Totals whales 8 calves 4 | |
| Sighting Number 02 Images: 1975 - 2039 | Quality: Fair Beaufort: 3 | Total whales 2 — 1 calf at sighting | | |
| | 09:21 -PDT | 16:21-GMT | Position: 103° / 2749 m | Direction: West; Behavior: Speed slow • Traveling outside kelp |
| | Last entry at 1114: Extremely slow. 2 hours to get past us. Did not seem to be playing in kelp — just slow. (See SW#4) | | | |
| | 09:47 -PDT | 16:47-GMT | Position: 107° / 1922 m | Direction: West; Behavior: Speed slow • Traveling just outside kelp |
| | 10:02 -PDT | 17:02-GMT | Position: 111° / 1922 m | Direction: West; Behavior: Speed slow • Traveling |
| | 10:39 -PDT | 17:39-GMT | Position: 131° / 778 m | Direction: West; Behavior: Speed slow • Traveling |
| | 11:14 -PDT | 18:14-GMT | Position: 277° / 883 m | Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 03 Images: 1968 - 1973 | Quality: Fair Beaufort: 3 | Total whales 2 — 1 calf at sighting | | |
| | 10:25 -PDT | 17:25-GMT | Position: 118° / 1106 m | Direction: West; Behavior: Speed slow • Traveling May have been behind S#2 — If so, passed about 1020 at 104/.5 |
| | 11:29 -PDT | 18:29-GMT | Position: 142° / 600 m | Direction: West; Behavior: Speed slow • Traveling |
| | 10:36 -PDT | 17:36-GMT | Position: 207° / 574 m | Direction: West; Behavior: Speed slow • Traveling |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| Sighting Number 07 Images: 2046 - 72 (lead) 2074 - 26 (trailing) | Quality: Fair | Total whales 4 — 2 calves at sighting |
| | Beaufort: 4 | |
| | 14:44 -PDT 21:44-GMT | Position: 100° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 15:57 -PDT 22:57-GMT | Position: 107° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| 16:10 -PDT 23:10-GMT | Position: 112° / 1674 m Direction: West; Behavior: Speed slow • Traveling | |
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| May 09 | Day 78 of 90 | Daily Totals whales 12 calves 6 |
| Sighting Number 01 Images: 2089 - 98 | Quality: Fair | Total whales 2 — 1 calf at sighting |
| | Beaufort: 2 | |
| | 11:12 -PDT 18:12-GMT | Position: 98° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:26 -PDT 18:26-GMT | Position: 108° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:38 -PDT 18:38-GMT | Position: 117° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:49 -PDT 18:49-GMT | Position: 161° / 574 m Direction: West; Behavior: Speed slow • Traveling |
| 12:00 -PDT 19:00-GMT | Position: 235° / 574 m Direction: West; Behavior: Speed slow • Traveling | |
| Sighting Number 02 | Quality: Fair | Total whales 2 — 1 calf at sighting |
| | Beaufort: 2 | |
| | 11:14 -PDT 18:14-GMT | Position: 104° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:19 -PDT 18:19-GMT | Position: 107° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:24 -PDT 18:24-GMT | Position: 111° / 2260 m Direction: West; Behavior: Speed slow • Traveling • Fluke |
| | 11:39 -PDT 18:39-GMT | Position: 169° / 600 m Direction: West; Behavior: Speed slow • Traveling |
| 11:50 -PDT 18:50-GMT | Position: 275° / 946 m Direction: West; Behavior: Speed slow • Traveling | |
| Sighting Number 03 Images: 2100 - 53 (inc video) | Quality: Fair | Total whales 8 — 4 calves at sighting |
| | Beaufort: 2 | |
| | 14:50 -PDT 21:50-GMT | Position: 98° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 14:58 -PDT 21:58-GMT | Position: 102° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 15:20 -PDT 22:20-GMT | Position: 112° / 1922 m Direction: West; Behavior: Speed slow • Traveling Just off kelp |
| | 15:28 -PDT 22:28-GMT | Position: 116° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | 15:46 -PDT 22:46-GMT | Position: 152° / 661 m Direction: West; Behavior: Speed slow • Traveling |
| | 16:11 -PDT 23:11-GMT | Position: 275° / 883 m Direction: West; Behavior: Speed slow • Traveling • Breach |
| <hr/> | | |
| May 10 | Day 79 of 90 | Daily Totals whales 8 calves 4 |
| Sighting Number 03 Images: 2257 - 2380 | Quality: Fair | Total whales 4 — 2 calves at sighting |
| | Beaufort: 1 | |
| | 10:38 -PDT 17:38-GMT | Position: 100° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:53 -PDT 17:53-GMT | Position: 104° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | 10:58 -PDT 17:58-GMT | Position: 107° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:14 -PDT 18:14-GMT | Position: 110° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | 11:27 -PDT 18:27-GMT | Position: 121° / 913 m Direction: West; Behavior: Speed slow • Traveling just off kelp |
| | 11:34 -PDT 18:34-GMT | Position: 154° / 440 m Direction: West; Behavior: Speed slow • Traveling |
| 11:47 -PDT 18:47-GMT | Position: 248° / 471 m Direction: West; Behavior: Speed slow • Traveling | |
| Sighting Number 04 Images: 2386 - 89 | Quality: Fair | Total whales 2 — 1 calf at sighting |
| | Beaufort: 1 | |
| 12:20 -PDT 19:20-GMT | Position: 104° / 1922 m Direction: West; Behavior: Speed slow • Traveling | |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

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| | 12:22 -PDT | 19:22-GMT | Position: 106° / 1922 m Direction: West; Behavior: Speed slow • Traveling |
| | 12:40 -PDT | 19:40-GMT | Position: 163° / 550 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 07 Images: 2399 - 2420 | Quality: Fair Beaufort: 2 | Total whales 2 — 1 calf at sighting | |
| | 16:43 -PDT | 23:43-GMT | Position: 102° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | 16:47 -PDT | 23:47-GMT | Position: 104° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | 16:57 -PDT | 23:57-GMT | Position: 115° / 1483 m Direction: West; Behavior: Speed slow • Traveling |
| | 17:06 -PDT | 0:06; 5/11/2017-GMT | Position: 122° / 1106 m Direction: West; Behavior: Speed slow • Traveling |
| May 11 | Day 80 of 90 | Daily Totals | whales 12 calves 6 |
| Sighting Number 02 Images: 2440 - 2504 | Quality: Fair Beaufort: 3 | Total whales 2 — 1 calf at sighting | |
| | 13:03 -PDT | 20:03-GMT | Position: 110° / 2260 m Direction: West; Behavior: Speed slow • Traveling Condor Express on whales - Both mother & calf sporting white spots |
| | 13:07 -PDT | 20:07-GMT | Position: 114° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| | 13:28 -PDT | 20:28-GMT | Position: 190° / 574 m Direction: West; Behavior: Speed slow • Traveling |
| | 13:32 -PDT | 20:32-GMT | Position: 238° / 539 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 03 Images: 2511 - 29 | Quality: Fair Beaufort: 4 | Total whales 2 — 1 calf at sighting | |
| | 15:14 -PDT | 22:14-GMT | Position: 113° / 2260 m Direction: West; Behavior: Speed slow • Traveling Calf #200 - At each surfacing momma would blow hard and her calf would hardly blow |
| | 15:25 -PDT | 22:25-GMT | Position: 123° / 1331 m Direction: West; Behavior: Speed slow • Traveling |
| | 15:43 -PDT | 22:43-GMT | Position: 266° / 574 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 04 Images: 2531 - 2708 (both S#4 & S#5) | Quality: Fair Beaufort: 4 | Total whales 4 — 2 calves at sighting | |
| | 16:57 -PDT | 23:57-GMT | Position: 98° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 17:03 -PDT | 0:03; 5/12/2017-GMT | Position: 100° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 17:14 -PDT | 0:14; 5/12/2017-GMT | Position: 103° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | 17:28 -PDT | 0:28; 5/12/2017-GMT | Position: 108° / 2260 m Direction: West; Behavior: Speed slow • Traveling |
| | 17:35 -PDT | 0:35; 5/12/2017-GMT | Position: 110° / 1922 m Direction: West; Behavior: Speed slow • Traveling very big mamma |
| | 17:41 -PDT | 0:41; 5/12/2017-GMT | Position: 116° / 1674 m Direction: West; Behavior: Speed slow • Traveling |
| Sighting Number 05 Images: 2531 - 2708 S#4 & S#5 | Quality: Fair Beaufort: 4 | Total whales 4 — 2 calves at sighting | |
| | 17:21 -PDT | 0:21; 5/12/2017-GMT | Position: 99° / 3088 m Direction: West; Behavior: Speed slow • Traveling |
| | 17:28 -PDT | 0:28; 5/12/2017-GMT | Position: 104° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | 17:32 -PDT | 0:32; 5/12/2017-GMT | Position: 106° / 2749 m Direction: West; Behavior: Speed slow • Traveling |
| | 17:38 -PDT | 0:38; 5/12/2017-GMT | Position: 110° / 2260 m Direction: West; Behavior: Speed slow • Traveling |

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

17:44 -PDT 0:44; Position: 118° / 2260 m Direction: West; Behavior: Speed slow • Traveling
5/12/2017-GMT

17:58 -PDT 0:58; Position: 148° / 600 m Direction: West; Behavior: Speed slow • Traveling
5/12/2017-GMT

[S#4 & S#5 together](#)

May 12 Day 81 of 90 Daily Totals whales 4 calves 2

Sighting Number **01** Quality: Fair Total whales 2 — 1 calf at sighting
[Images: 2709 - 16](#) Beaufort: 1

08:46 -PDT 15:46-GMT Position: 152° / 661 m Direction: West; Behavior: Speed slow • Traveling

08:50 -PDT 15:50-GMT Position: 187° / 629 m Direction: West; Behavior: Speed slow • Traveling
[traveling along kelp edge](#)

08:58 -PDT 15:58-GMT Position: 281° / 827 m Direction: West; Behavior: Speed slow • Traveling

Sighting Number **04** Quality: Fair Total whales 2 — 1 calf at sighting
Beaufort: 1

11:11 -PDT 18:11-GMT Position: 224° / 528 m Direction: West; Behavior: Speed slow • Traveling

11:14 -PDT 18:14-GMT Position: 261° / 696 m Direction: West; Behavior: Speed slow • Traveling

11:17 -PDT 18:17-GMT Position: 269° / 883 m Direction: West; Behavior: Speed slow • Traveling

May 13 Day 82 of 90 Daily Totals whales 2 calves 1

Sighting Number **02** Quality: Poor Total whales 2 — 1 calf at sighting
[Images: 2776 - 9](#) Beaufort: 4

11:02 -PDT 18:02-GMT Position: 101° / 3088 m Direction: West; Behavior: Speed slow • Traveling

11:08 -PDT 18:08-GMT Position: 104° / 2749 m Direction: West; Behavior: Speed slow • Traveling

11:13 -PDT 18:13-GMT Position: 106° / 2260 m Direction: West; Behavior: Speed slow • Traveling

11:19 -PDT 18:19-GMT Position: 112° / 1922 m Direction: West; Behavior: Speed slow • Traveling

May 15 Day 84 of 90 Daily Totals whales 2 calves 1

Sighting Number **01** Quality: Fair Total whales 2 — 1 calf at sighting
[Images: 2827 - 34](#) Beaufort: 4

13:00 -PDT 20:00-GMT Position: 100° / 2749 m Direction: West; Behavior: Speed slow • Traveling

13:07 -PDT 20:07-GMT Position: 101° / 2260 m Direction: West; Behavior: Speed slow • Traveling

13:17 -PDT 20:17-GMT Position: 112° / 1674 m Direction: West; Behavior: Speed slow • Traveling
[along kelp](#)

13:23 -PDT 20:23-GMT Position: 123° / 946 m Direction: West; Behavior: Speed slow • Traveling

13:32 -PDT 20:32-GMT Position: 169° / 508 m Direction: West; Behavior: Speed slow • Traveling

May 16 Day 85 of 90 Daily Totals whales 2 calves 1

Sighting Number **01** Quality: Fair Total whales 2 — 1 calf at sighting
[Images: 2842 - 75](#) Beaufort: 3

09:11 -PDT 16:11-GMT Position: 111° / 2749 m Direction: West; Behavior: Speed slow • Traveling
[Calf has white spot ahead of dorsal hump, right side](#)

09:16 -PDT 16:16-GMT Position: 116° / 2749 m Direction: West; Behavior: Speed slow • Traveling

09:23 -PDT 16:23-GMT Position: 122° / 1922 m Direction: West; Behavior: Speed slow • Traveling

09:30 -PDT 16:30-GMT Position: 133° / 1403 m Direction: West; Behavior: Speed slow • Traveling

09:40 -PDT 16:40-GMT Position: 146° / 883 m Direction: West; Behavior: Speed slow • Traveling

09:54 -PDT 16:54-GMT Position: 197° / 528 m Direction: West; Behavior: Speed slow • Traveling

May 20 Day 89 of 90 Daily Totals whales 2 calves 1

2017 Gray Whales (northbound) Sighting + Tracking, On-Effort

| | | | | |
|-------------------------------|-----------|---|-------------------------------------|--|
| Sighting Number | 01 | Quality: Fair | Total whales 2 — 1 calf at sighting | |
| Images: 3150 - 88 (inc video) | | Beaufort: 1 | | |
| 10:32 -PDT | 17:32-GMT | Position: 102° / 2749 m Direction: West; Behavior: Speed slow • Traveling | | |
| 10:44 -PDT | 17:44-GMT | Position: 112° / 1922 m Direction: West; Behavior: Speed slow • Traveling | | |
| | | whales near stationary dive boat | | |
| 11:00 -PDT | 18:00-GMT | Position: 148° / 600 m Direction: West; Behavior: Speed slow • Traveling | | |
| 11:10 -PDT | 18:10-GMT | Position: 238° / 508 m Direction: West; Behavior: Speed slow • Traveling | | |
| | | along kelp | | |