



2013 Gray whales (northbound) Sighting + Tracking, On Effort

Gray whale (northbound) *Eschrichtius robustus*

Total: 736 Calves: 126 Number of Sightings: 357

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|---|---------------------------|---|------------------|
| Feb 11 Total 4 Calves 0 Day 1 of 98 | | Gray whale (northbound) | |
| Sighting Number 24 | Good - 2 | Total 1 — 0 Calves at sighting | |
| | 14:38:00 PST 22:38-GMT | Boat / Blow Position: 96° / 3528 m Direction: West; Behavior: Slow travel <i>Saw in scope as I was checking vessel "Guilty" that cruised past - "Guilty" not entered because did not come inside .25 reticles</i> | |
| | 14:46:00 PST 22:46-GMT | Blow Position: 100° / 3528 m Direction: West; Behavior: Slow travel | |
| | 14:55:00 PST 22:55-GMT | Blow Position: 101° / 3528 m Direction: West; Behavior: Slow travel | |
| | 15:03:00 PST 23:03-GMT | Blow Position: 101° / 3528 m Direction: West; Behavior: Slow travel | |
| | 15:09:00 PST 23:09-GMT | Blow Position: 103° / 3528 m Direction: West; Behavior: Slow travel | |
| | 15:11:00 PST 23:11-GMT | Body Position: 103° / 3528 m Direction: West; Behavior: Slow travel • Fluke | |
| | 15:20:00 PST 23:20-GMT | Blow Position: 105° / 3088 m Direction: West; Behavior: Slow travel | |
| | 15:29:00 PST 23:29-GMT | Blow Position: 108° / 2749 m Direction: West; Behavior: Slow travel | |
| | 15:36:00 PST 23:36-GMT | Blow Position: 111° / 2749 m Direction: West; Behavior: Slow travel | |
| | 15:44:00 PST 23:44-GMT | Blow Position: 117° / 1674 m Direction: West; Behavior: Slow travel | |

KEY: Quality is overall observation quality. The number is Beaufort scale. CueTip is what tipped us to look in a particular area or direction that was other than normal scanning. Saw is what we saw to know it was an animal. Position of animal 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 2013 Gray Whales Count, Survey Report © Gray Whales Count, 2016,
prepared by Michael H Smith, Project Coordinator, Gray Whales Count, Santa Barbara, California, USA.

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

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | Cue/Tip / Saw | Route Past Holly |
|-----------------|-------------------------------------|---|---|
| | 15:50:00 PST 23:50-GMT | Blow Position: 126° / 1331 m Direction: West; Behavior: Slow travel | |
| | 15:57:00 PST 23:57-GMT | Blow Position: 142° / 661 m Direction: West; Behavior: Slow travel | |
| | 16:04:00 PST 0:04; 2/12/2013-GMT | Body Position: 181° / 696 m Direction: West; Behavior: Slow travel | |
| | 16:12:00 PST 0:12; 2/12/2013-GMT | Blow Position: 236° / 883 m Direction: West; Behavior: Slow travel | |
| | 16:19:00 PST 0:19; 2/12/2013-GMT | Blow Position: 259° / 1106 m Direction: West; Behavior: Slow travel | |
| | 16:29:00 PST 0:29; 2/12/2013-GMT | Blow Position: 291° / 1483 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 30 | Good - 2 | Total 3 — 0 Calves at sighting |
| | 16:48:00 PST 0:48; 2/12/2013-GMT | ni / Blow Position: 137° / 5027 m Direction: West; Behavior: Slow travel • Fluke | |
| | 16:54:00 PST 0:54; 2/12/2013-GMT | Blow Position: 142° / 5027 m Direction: West; Behavior: Slow travel | |
| | 17:02:00 PST 1:02; 2/12/2013-GMT | Blow Position: 148° / 3528 m Direction: West; Behavior: Slow travel • Fluke | Outside |
| Feb 14 | Total 3 Calves 0 | Gray whale (northbound) | |
| Day 4 of 98 | Sighting Number | 15 | Poor - 3 Total 3 — 0 Calves at sighting |
| | 16:40:00 PST 0:40; 2/15/2013-GMT | ni / Body Position: 233° / 3528 m Direction: West; Behavior: Slow travel | |
| | 16:48:00 PST 0:48; 2/15/2013-GMT | Blow Position: 240° / 3528 m Direction: West; Behavior: Slow travel • Fluke | |
| | 16:59:00 PST 0:59; 2/15/2013-GMT | Blow Position: 245° / 5027 m Direction: West; Behavior: Slow travel | Outside |
| Feb 16 | Total 4 Calves 0 | Gray whale (northbound) | |
| Day 6 of 98 | Sighting Number | 31 | Good - 2 Total 4 — 0 Calves at sighting |
| | 16:33:00 PST 0:33; 2/17/2013-GMT | ni / Blow Position: 112° / 5027 m Direction: West; Behavior: Slow travel | |
| | 16:37:00 PST 0:37; 2/17/2013-GMT | Blow Position: 113° / 5027 m Direction: West; Behavior: Slow travel | |
| | 16:42:00 PST 0:42; 2/17/2013-GMT | Blow Position: 113° / 5027 m Direction: West; Behavior: Slow travel | |
| | 16:53:00 PST 0:53; 2/17/2013-GMT | Blow Position: 113° / 3528 m Direction: West; Behavior: Slow travel • Fluke | |
| | 16:58:00 PST 0:58; 2/17/2013-GMT | Blow Position: 115° / 3528 m Direction: West; Behavior: Slow travel • Fluke | |
| | 17:05:00 PST 1:05; 2/17/2013-GMT | ni Position: 116° / 3528 m Direction: West; Behavior: Slow travel • Fluke | ni |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|--------------------------------|-------------------------------------|--|------------------|
| Feb 17 Total 3 Calves 0 | | | |
| Day 7 of 98 | Gray whale (northbound) | | |
| Sighting Number 05 | Good - 0 | Total 2 — 0 Calves at sighting | |
| | 9:56:00 PST 17:56-GMT | ni / Blow Position: 123° / 5027 m Direction: West; Behavior: Slow travel | |
| | 10:03:00 PST 18:03-GMT | Blow Position: 124° / 5027 m Direction: West; Behavior: Slow travel • Fluke | |
| | 10:11:00 PST 18:11-GMT | Blow Position: 126° / 3528 m Direction: West; Behavior: Slow travel | |
| | 10:18:00 PST 18:18-GMT | Blow Position: 132° / 3088 m Direction: West; Behavior: Slow travel | |
| | 10:25:00 PST 18:25-GMT | Blow Position: 135° / 2749 m Direction: West; Behavior: Slow travel <i>Spread out - back and forth</i> | |
| | 10:31:00 PST 18:31-GMT | Blow Position: 140° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| | 10:35:00 PST 18:35-GMT | Blow Position: 144° / 2260 m Direction: West; Behavior: Slow travel | |
| | 10:44:00 PST 18:44-GMT | Blow Position: 154° / 1922 m Direction: West; Behavior: Slow travel | |
| | 10:49:00 PST 18:49-GMT | Blow Position: 166° / 1331 m Direction: West; Behavior: Slow travel | |
| | 10:56:00 PST 18:56-GMT | Blow Position: 196° / 1331 m Direction: West; Behavior: Slow travel | nd |
| Sighting Number 23 | Fair - 3 | Total 1 — 0 Calves at sighting | |
| | 16:16:00 PST 0:16; 2/18/2013-GMT | ni / Blow Position: 233° / 3528 m Direction: West; Behavior: Slow travel <i>Behind Holly</i> | |
| | 16:22:00 PST 0:22; 2/18/2013-GMT | Blow Position: 238° / 3528 m Direction: West; Behavior: Slow travel | Outside |
| Feb 19 Total 2 Calves 0 | | | |
| Day 9 of 98 | Gray whale (northbound) | | |
| Sighting Number 05 | Fair - 1 | Total 2 — 0 Calves at sighting | |
| | 9:27:00 PST 17:27-GMT | ni / Blow Position: 167° / 3528 m Direction: West; Behavior: Slow travel | |
| | 9:34:00 PST 17:34-GMT | Blow Position: 171° / 3528 m Direction: West; Behavior: Slow travel | |
| | 9:41:00 PST 17:41-GMT | Blow Position: 175° / 3528 m Direction: West; Behavior: Slow travel | |
| | 9:46:00 PST 17:46-GMT | Blow Position: 179° / 3528 m Direction: West; Behavior: Slow travel | |
| | 9:50:00 PST 17:50-GMT | Blow Position: 181° / 3528 m Direction: West; Behavior: Slow travel | |
| | 9:57:00 PST 17:57-GMT | Blow Position: 185° / 3528 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|--------------------------------|-------------------------|--|---|
| | 10:07:00 PST | Blow | |
| | 18:07-GMT | Position: 193° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| | 10:13:00 PST | Blow | |
| | 18:13-GMT | Position: 200° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| | 10:19:00 PST | Blow | nd |
| | 18:19-GMT | Position: 204° / 3088 m Direction: West; Behavior: Slow travel | |
| Feb 21 Total 9 Calves 0 | Gray whale (northbound) | | |
| Day 11 of 98 | | | |
| Sighting Number | 01 | Good - 2 | Total 2 — 0 Calves at sighting |
| | 9:02:00 PST | ni / Blow | |
| | 17:02-GMT | Position: 154° / 913 m Direction: West; Behavior: Slow travel • Fluke | |
| | 9:07:00 PST | Blow | |
| | 17:07-GMT | Position: 194° / 696 m Direction: West; Behavior: Slow travel | |
| | 9:12:00 PST | Blow | Inside |
| | 17:12-GMT | Position: 248° / 946 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 05 | Excellent | Total 1 — 0 Calves at sighting |
| | 9:42:00 PST | ni / Blow | |
| | 17:42-GMT | Position: 107° / 3528 m Direction: West; Behavior: Slow travel | |
| | 9:49:00 PST | Blow | |
| | 17:49-GMT | Position: 111° / 3528 m Direction: West; Behavior: Slow travel | |
| | 10:10:00 PST | Blow | |
| | 18:10-GMT | Position: 165° / 778 m Direction: West; Behavior: Slow travel | |
| | 10:15:00 PST | Body | nd |
| | 18:15-GMT | Position: 209° / 778 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 10 | Excellent | Total 1 — 0 Calves at sighting <i>Disappeared</i> |
| | 11:07:00 PST | ni / Blow | nd |
| | 19:07-GMT | Position: 198° / 508 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 15 | Excellent | Total 2 — 0 Calves at sighting |
| Images: 0969 | 13:29:00 PST | ni / Blow | |
| | 21:29-GMT | Position: 101° / 3528 m Direction: West; Behavior: Slow travel | |
| | 13:36:00 PST | Blow | |
| | 21:36-GMT | Position: 105° / 3528 m Direction: West; Behavior: Slow travel | |
| | 13:42:00 PST | Blow | |
| | 21:42-GMT | Position: 107° / 3088 m Direction: West; Behavior: Slow travel | |
| | 13:52:00 PST | Blow | |
| | 21:52-GMT | Position: 114° / 2749 m Direction: West; Behavior: Slow travel | |
| | 14:16:00 PST | Body | |
| | 22:16-GMT | Position: 159° / 1106 m Direction: West; Behavior: Slow travel | |
| | 14:18:00 PST | Blow | |
| | 22:18-GMT | Position: 172° / 946 m Direction: West; Behavior: Slow travel | |
| | 14:24:00 PST | Blow | |
| | 22:24-GMT | Position: 202° / 913 m Direction: West; Behavior: Slow travel | |
| | 14:26:00 PST | Blow | |
| | 22:26-GMT | Position: 220° / 1020 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | Time | CueTip / Saw | Route Past Holly |
|-----------------|------------------|---------------------|--|------------------|
| | | 14:28:00 PST | Blow | |
| | | 22:28-GMT | Position: 230° / 1106 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 14:31:00 PST | Blow | Inside |
| | | 22:31-GMT | Position: 235° / 1403 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 18 | Fair - 4 | Total 3 — 0 Calves at sighting | |
| | | 15:45:00 PST | ni / Blow | |
| | | 23:45-GMT | Position: 212° / 3528 m Direction: West; Behavior: Slow travel | |
| | | 15:52:00 PST | Blow | |
| | | 23:52-GMT | Position: 218° / 3528 m Direction: West; Behavior: Slow travel • Fluke | |
| | | | <i>Further than .2 reticles</i> | |
| | | 15:56:00 PST | Blow | |
| | | 23:56-GMT | Position: 223° / 3528 m Direction: West; Behavior: Slow travel | |
| | | 16:04:00 PST | Blow | Outside |
| | | 0:04; 2/22/2013-GMT | Position: 231° / 5027 m Direction: West; Behavior: Slow travel | |
| <hr/> | | | | |
| Feb 22 | Total 6 | Calves 0 | Gray whale (northbound) | |
| Day 12 of 98 | | | | |
| Sighting Number | 01 | Fair - 2 | Total 2 — 0 Calves at sighting | |
| | | 9:12:00 PST | ni / Blow | |
| | | 17:12-GMT | Position: 157° / 3088 m Direction: West; Behavior: Slow travel | |
| | | 9:22:00 PST | Blow | |
| | | 17:22-GMT | Position: 165° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 9:28:00 PST | Blow | |
| | | 17:28-GMT | Position: 178° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 9:37:00 PST | Blow | |
| | | 17:37-GMT | Position: 195° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 9:46:00 PST | Blow | |
| | | 17:46-GMT | Position: 212° / 3088 m Direction: West; Behavior: Slow travel | |
| | | 9:56:00 PST | Blow | Outside |
| | | 17:56-GMT | Position: 228° / 3528 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 03 | Fair - 2 | Total 1 — 0 Calves at sighting | |
| | | 9:42:00 PST | ni / Blow | |
| | | 17:42-GMT | Position: 107° / 2260 m Direction: West; Behavior: Slow travel | |
| | | 9:47:00 PST | Blow | |
| | | 17:47-GMT | Position: 114° / 1922 m Direction: West; Behavior: Slow travel | |
| | | 10:07:00 PST | Blow | |
| | | 18:07-GMT | Position: 171° / 539 m Direction: West; Behavior: Slow travel | |
| | | | <i>Possibly feeding along kelp</i> | |
| | | 10:15:00 PST | Blow | |
| | | 18:15-GMT | Position: 214° / 508 m Direction: West; Behavior: Slow travel | |
| | | 10:19:00 PST | ni | Inside |
| | | 18:19-GMT | Position: 248° / 735 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 17 | Good - 0 | Total 3 — 0 Calves at sighting | |
| | | 14:20:00 PST | ni / Blow | |
| | | 22:20-GMT | Position: 190° / 3088 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|--------------|---------------------------|--|------------------|
| | 14:22:00 PST 22:22-GMT | Blow Position: 194° / 3088 m Direction: West; Behavior: Slow travel | |
| | 14:27:00 PST 22:27-GMT | Blow Position: 206° / 3528 m Direction: West; Behavior: Slow travel | |
| | 14:36:00 PST 22:36-GMT | Blow Position: 218° / 3528 m Direction: West; Behavior: Slow travel | |
| | 14:50:00 PST 22:50-GMT | Blow Position: 239° / 3528 m Direction: West; Behavior: Slow travel | |
| | 14:59:00 PST 22:59-GMT | Blow Position: 248° / 3528 m Direction: West; Behavior: Slow travel | Outside |

Feb 23 Total 2 Calves 0
Day 13 of 98

Gray whale (northbound)

Sighting Number **01** Fair - 2 Total 2 — 0 Calves at sighting

| | | |
|--------------------------|--|--------|
| 8:44:00 PST 16:44-GMT | ni / Blow Position: 171° / 1922 m Direction: West; Behavior: Slow travel | |
| 8:49:00 PST 16:49-GMT | Blow Position: 196° / 1674 m Direction: West; Behavior: Slow travel | |
| 8:52:00 PST 16:52-GMT | Blow Position: 214° / 1483 m Direction: West; Behavior: Slow travel | |
| 9:04:00 PST 17:04-GMT | Blow Position: 263° / 1922 m Direction: West; Behavior: Slow travel • Fluke | Inside |

Feb 24 Total 5 Calves 0
Day 14 of 98

Gray whale (northbound)

Sighting Number **02** Good - 1 Total 3 — 0 Calves at sighting
Images: 0986-0991

| | | |
|---------------------------|--|--|
| 9:47:00 PST 17:47-GMT | ni / Blow Position: 110° / 5027 m Direction: West; Behavior: Slow travel | |
| 10:03:00 PST 18:03-GMT | Blow Position: 111° / 5027 m Direction: West; Behavior: Slow travel | |
| 10:25:00 PST 18:25-GMT | Blow Position: 113° / 5027 m Direction: West; Behavior: Slow travel <i>Almost .2 reticles</i> | |
| 10:32:00 PST 18:32-GMT | Blow Position: 114° / 3528 m Direction: West; Behavior: Slow travel | |
| 10:38:00 PST 18:38-GMT | Blow Position: 115° / 3528 m Direction: West; Behavior: Slow travel • Rolling <i>Mating behavior</i> | |
| 10:51:00 PST 18:51-GMT | Blow Position: 121° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| 11:01:00 PST 19:01-GMT | Blow Position: 129° / 2749 m Direction: West; Behavior: Slow travel • Rolling • Fluke | |
| 11:08:00 PST 19:08-GMT | Blow Position: 136° / 2749 m Direction: West; Behavior: Slow travel | |
| 11:15:00 PST 19:15-GMT | Blow Position: 147° / 2260 m Direction: West; Behavior: Slow travel • Fluke | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | Time | CueTip / Saw | Route Past Holly |
|-----------------|------------------|---------------------|--|--------------------|
| | | 11:26:00 PST | Blow | |
| | | 19:26-GMT | Position: 176° / 1403 m Direction: West; Behavior: Slow travel | |
| | | 11:36:00 PST | Blow | |
| | | 19:36-GMT | Position: 221° / 1483 m Direction: West; Behavior: Slow travel | |
| | | 11:51:00 PST | ni | Inside |
| | | 19:51-GMT | Position: 261° / 2749 m Direction: West; Behavior: Slow travel • Rolling | |
| Sighting Number | 19 | Good - 2 | Total 2 — 0 Calves at sighting | |
| | | 16:07:00 PST | ni / Blow | |
| | | 0:07; 2/25/2013-GMT | Position: 193° / 2749 m Direction: West; Behavior: Slow travel | |
| | | | <i>Possibly SW #14</i> | |
| | | 16:17:00 PST | Blow | |
| | | 0:17; 2/25/2013-GMT | Position: 216° / 3088 m Direction: West; Behavior: Slow travel | |
| | | 16:26:00 PST | Blow | Inside |
| | | 0:26; 2/25/2013-GMT | Position: 238° / 3088 m Direction: West; Behavior: Slow travel | |
| Feb 25 | Total 2 | Calves 0 | Gray whale (northbound) | |
| | | Day 15 of 98 | | |
| Sighting Number | 09 | Good - 1 | Total 1 — 0 Calves at sighting | <i>Disappeared</i> |
| | | 11:57:00 PST | ni / Blow | nd |
| | | 19:57-GMT | Position: 156° / 1106 m Direction: West; Behavior: Slow travel | |
| | | | <i>1 sighting - watch for 18 minutes - disappeared</i> | |
| Sighting Number | 16 | Good - 1 | Total 1 — 0 Calves at sighting | |
| | | 14:53:00 PST | ni / Blow | nd |
| | | 22:53-GMT | Position: 141° / 5027 m Direction: West; Behavior: Slow travel • Fluke | |
| | | | <i>Saw fluke in scope earlier when whale was with Condor - no compass + too far away to enter - 2 of us saw blows + fluke at this position - but not again</i> | |
| Feb 26 | Total 5 | Calves 0 | Gray whale (northbound) | |
| | | Day 16 of 98 | | |
| Sighting Number | 02 | Fair - 3 | Total 1 — 0 Calves at sighting | |
| | | 9:30:00 PST | ni / Blow | |
| | | 17:30-GMT | Position: 141° / 3528 m Direction: West; Behavior: Slow travel | |
| | | 9:34:00 PST | Blow | |
| | | 17:34-GMT | Position: 155° / 2749 m Direction: West; Behavior: Slow travel | |
| | | 9:37:00 PST | Blow | |
| | | 17:37-GMT | Position: 159° / 1922 m Direction: West; Behavior: Slow travel | |
| | | 9:42:00 PST | Blow | |
| | | 17:42-GMT | Position: 171° / 2260 m Direction: West; Behavior: Slow travel | |
| | | 9:47:00 PST | Blow | |
| | | 17:47-GMT | Position: 182° / 2260 m Direction: West; Behavior: Slow travel | |
| | | 9:52:00 PST | Blow | |
| | | 17:52-GMT | Position: 199° / 2260 m Direction: West; Behavior: Slow travel | |
| | | 10:03:00 PST | Blow | Inside |
| | | 18:03-GMT | Position: 227° / 2260 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 15 | Good - 3 | Total 4 — 0 Calves at sighting | |
| | | 15:36:00 PST | ni / Blow | |
| | | 23:36-GMT | Position: 165° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | Cue/Tip / Saw | Route Past Holly |
|--------------|-------------------------------------|--|------------------|
| | 15:40:00 PST 23:40-GMT | Body Position: 172° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| | 15:51:00 PST 23:51-GMT | Blow Position: 186° / 3088 m Direction: West; Behavior: Slow travel | |
| | 15:59:00 PST 23:59-GMT | Blow Position: 200° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| | 16:09:00 PST 0:09; 2/27/2013-GMT | Blow Position: 215° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| | 16:15:00 PST 0:15; 2/27/2013-GMT | Blow Position: 223° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| | 16:23:00 PST 0:23; 2/27/2013-GMT | Blow Position: 232° / 3088 m Direction: West; Behavior: Slow travel • Fluke | Outside |

Feb 27 Total 7 Calves 0
Day 17 of 98

Gray whale (northbound)

| Sighting Number | Good - 0 | Total 1 — 0 Calves at sighting | |
|-----------------|---------------------------|--|---------|
| | 12:13:00 PST 20:13-GMT | ni / Blow Position: 121° / 3528 m Direction: West; Behavior: Slow travel | |
| | 12:25:00 PST 20:25-GMT | Blow Position: 127° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| | 12:47:00 PST 20:47-GMT | Blow Position: 145° / 3088 m Direction: West; Behavior: Slow travel | |
| | 12:52:00 PST 20:52-GMT | Blow Position: 151° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| | 12:59:00 PST 20:59-GMT | Blow Position: 160° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| | 13:10:00 PST 21:10-GMT | Blow Position: 183° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| | 13:16:00 PST 21:16-GMT | Blow Position: 199° / 2749 m Direction: West; Behavior: Slow travel | |
| | 13:22:00 PST 21:22-GMT | Blow Position: 204° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| | 13:29:00 PST 21:29-GMT | Blow Position: 226° / 3088 m Direction: West; Behavior: Slow travel • Fluke | Outside |
| Sighting Number | 17 | Good - 1 Total 2 — 0 Calves at sighting | |
| | 13:07:00 PST 21:07-GMT | — / Blow Position: 224° / 3088 m Direction: West; Behavior: Slow travel | |
| | 13:14:00 PST 21:14-GMT | Blow Position: 233° / 3088 m Direction: West; Behavior: Slow travel | Outside |
| | | <i>Frequent blows</i> | |
| Sighting Number | 23 | Good - 2 Total 4 — 0 Calves at sighting | |
| | 14:59:00 PST 22:59-GMT | — / Blow Position: 171° / 3528 m Direction: West; Behavior: Slow travel • Fluke | |
| | 15:13:00 PST 23:13-GMT | Blow Position: 179° / 3528 m Direction: West; Behavior: Slow travel • Fluke | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|-----------------------------------|-------------------------|--|------------------|
| | 15:22:00 PST | Blow | |
| | 23:22-GMT | Position: 186° / 3528 m Direction: West; Behavior: Slow travel | |
| | 15:29:00 PST | Blow | |
| | 23:29-GMT | Position: 194° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| | 15:37:00 PST | Blow | |
| | 23:37-GMT | Position: 202° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| | 15:42:00 PST | Blow | |
| | 23:42-GMT | Position: 210° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| | 15:47:00 PST | Blow | |
| | 23:47-GMT | Position: 217° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| | 15:55:00 PST | Blow | Outside |
| | 23:55-GMT | Position: 228° / 3088 m Direction: West; Behavior: Slow travel | |
| Feb 28 Total 5 Calves 0 | Gray whale (northbound) | | |
| Day 18 of 98 | | | |
| Sighting Number 01 | Good - 0 | Total 1 — 0 Calves at sighting | |
| Images: 1047-1055 | 9:06:00 PST | ni / Blow | |
| | 17:06-GMT | Position: 126° / 1106 m Direction: West; Behavior: Slow travel | |
| | | <i>Very small whale, perhaps yearling</i> | |
| | 9:09:00 PST | Blow | |
| | 17:09-GMT | Position: 132° / 946 m Direction: West; Behavior: Slow travel | |
| | 9:11:00 PST | Blow | |
| | 17:11-GMT | Position: 143° / 778 m Direction: West; Behavior: Slow travel | |
| | 9:17:00 PST | Blow | |
| | 17:17-GMT | Position: 180° / 539 m Direction: West; Behavior: Slow travel | |
| | 9:21:00 PST | Blow | |
| | 17:21-GMT | Position: 237° / 539 m Direction: West; Behavior: Slow travel | |
| Sighting Number 14 | Good - 0 | Total 2 — 0 Calves at sighting | |
| Images: 1101-5 | 14:28:00 PST | ni / Blow | |
| | 22:28-GMT | Position: 109° / 2749 m Direction: West; Behavior: Slow travel | |
| | 14:32:00 PST | Blow | |
| | 22:32-GMT | Position: 110° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| | 14:36:00 PST | Blow | |
| | 22:36-GMT | Position: 114° / 2260 m Direction: West; Behavior: Slow travel | |
| | 14:43:00 PST | Blow | |
| | 22:43-GMT | Position: 119° / 1483 m Direction: West; Behavior: Slow travel | |
| | 14:49:00 PST | Body | |
| | 22:49-GMT | Position: 139° / 1106 m Direction: West; Behavior: Slow travel • Fluke | |
| | 14:57:00 PST | Blow | |
| | 22:57-GMT | Position: 187° / 946 m Direction: West; Behavior: Slow travel | |
| | 15:04:00 PST | Blow | |
| | 23:04-GMT | Position: 225° / 1020 m Direction: West; Behavior: Slow travel | |
| | 15:11:00 PST | Blow | Inside |
| | 23:11-GMT | Position: 252° / 1331 m Direction: West; Behavior: Slow travel • Fluke | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|-----------------|------------------------------------|--|--------------------------------|
| Sighting Number | 20 | Fair - 0 | Total 1 — 0 Calves at sighting |
| | 16:17:00 PST 0:17; 3/1/2013-GMT | ni / Blow Position: 196° / 1483 m Direction: West; Behavior: Slow travel | |
| | 16:21:00 PST 0:21; 3/1/2013-GMT | Blow Position: 210° / 1483 m Direction: West; Behavior: Slow travel | |
| | 16:27:00 PST 0:27; 3/1/2013-GMT | ni Position: 231° / 1922 m Direction: West; Behavior: Slow travel | Inside |
| | <i>Longer downtime</i> | | |
| Sighting Number | 24 | Fair - 0 | Total 1 — 0 Calves at sighting |
| Images: 1110-12 | 16:59:00 PST 0:59; 3/1/2013-GMT | ni / Blow Position: 114° / 3088 m Direction: West; Behavior: Slow travel | |
| | 17:16:00 PST 1:16; 3/1/2013-GMT | Body Position: 144° / 455 m Direction: West; Behavior: Slow travel | |
| | 17:19:00 PST 1:19; 3/1/2013-GMT | Body Position: 186° / 388 m Direction: West; Behavior: Slow travel | Inside |
| Mar 01 | Total 3 Calves 0 | Gray whale (northbound) | |
| Day 19 of 98 | | | |
| Sighting Number | 01 | Good - 0 | Total 2 — 0 Calves at sighting |
| | 9:28:00 PST 17:28-GMT | SD / Blow Position: 177° / 2749 m Direction: West; Behavior: Slow travel | |
| | 9:38:00 PST 17:38-GMT | Body Position: 188° / 2749 m Direction: West; Behavior: Slow travel | |
| | 9:44:00 PST 17:44-GMT | Body Position: 192° / 3088 m Direction: West; Behavior: Slow travel | |
| | 9:49:00 PST 17:49-GMT | Body Position: 196° / 3088 m Direction: West; Behavior: Slow travel | ni |
| Sighting Number | 03 | Good - 0 | Total 1 — 0 Calves at sighting |
| | 10:04:00 PST 18:04-GMT | ni / Blow Position: 122° / 2749 m Direction: West; Behavior: Slow travel | |
| | 10:13:00 PST 18:13-GMT | Blow Position: 130° / 2260 m Direction: West; Behavior: Slow travel | |
| | 10:20:00 PST 18:20-GMT | Blow Position: 138° / 1922 m Direction: West; Behavior: Slow travel | |
| | <i>Four blows</i> | | |
| | 10:28:00 PST 18:28-GMT | ni Position: 145° / 696 m Direction: West; Behavior: Slow travel • Fluke | |
| | <i>Four blows + fluke</i> | | |
| | 10:39:00 PST 18:39-GMT | ni Position: 179° / 1106 m Direction: West; Behavior: Slow travel • Fluke | |
| | <i>Four blows + fluke</i> | | |
| | 10:48:00 PST 18:48-GMT | Body Position: 211° / 1106 m Direction: West; Behavior: Slow travel • Fluke | |
| | 11:01:00 PST 19:01-GMT | Blow Position: 244° / 1483 m Direction: West; Behavior: Slow travel | Inside |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|--------------------------------|-------------------------|---|--------------------------------|
| Mar 02 Total 7 Calves 0 | | | |
| Day 20 of 98 | Gray whale (northbound) | | |
| Sighting Number | 01 | Fair - 0 | Total 1 — 0 Calves at sighting |
| | 9:05:00 PST | ni / Blow | |
| | 17:05-GMT | Position: 112° / 1331 m Direction: West; Behavior: Slow travel | |
| | | <i>Juvenile</i> | |
| | 9:12:00 PST | Blow | |
| | 17:12-GMT | Position: 118° / 1020 m Direction: West; Behavior: Slow travel | |
| | 9:15:00 PST | Blow | |
| | 17:15-GMT | Position: 130° / 1020 m Direction: West; Behavior: Slow travel | |
| | 9:18:00 PST | Blow | |
| | 17:18-GMT | Position: 142° / 778 m Direction: West; Behavior: Slow travel | |
| | 9:24:00 PST | Body | |
| | 17:24-GMT | Position: 189° / 471 m Direction: West; Behavior: Slow travel | |
| | 9:27:00 PST | Body | |
| | 17:27-GMT | Position: 226° / 489 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 32 | Fair - 3 | Total 3 — 0 Calves at sighting |
| | 16:37:00 PST | ni / Blow | |
| | 0:37; 3/3/2013-GMT | Position: 113° / 3528 m Direction: West; Behavior: Slow travel | |
| | 16:43:00 PST | Blow | |
| | 0:43; 3/3/2013-GMT | Position: 114° / 3528 m Direction: West; Behavior: Slow travel | |
| | 16:50:00 PST | Blow | |
| | 0:50; 3/3/2013-GMT | Position: 115° / 3528 m Direction: West; Behavior: Slow travel | |
| | 17:01:00 PST | Blow | ni |
| | 1:01; 3/3/2013-GMT | Position: 121° / 2749 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 33 | Fair - 3 | Total 3 — 0 Calves at sighting |
| | 16:40:00 PST | ni / Blow | |
| | 0:40; 3/3/2013-GMT | Position: 114° / 5027 m Direction: West; Behavior: Slow travel | |
| | 16:45:00 PST | Blow | |
| | 0:45; 3/3/2013-GMT | Position: 113° / 5027 m Direction: West; Behavior: Slow travel | |
| | 16:58:00 PST | Blow | |
| | 0:58; 3/3/2013-GMT | Position: 117° / 3528 m Direction: West; Behavior: Slow travel | |
| | 17:06:00 PST | Blow | |
| | 1:06; 3/3/2013-GMT | Position: 122° / 3528 m Direction: West; Behavior: Slow travel | |
| | 17:13:00 PST | Blow | ni |
| | 1:13; 3/3/2013-GMT | Position: 126° / 3528 m Direction: West; Behavior: Slow travel | |
| Mar 03 Total 2 Calves 0 | | | |
| Day 21 of 98 | Gray whale (northbound) | | |
| Sighting Number | 02 | Poor - 2 | Total 2 — 0 Calves at sighting |
| | 9:05:00 PST | ni / Blow | |
| | 17:05-GMT | Position: 289° / 778 m Direction: West; Behavior: Slow travel | |
| | | <i>Possible cow/calf pair: slow travel, very close to shore, saw first about 261 past us going along kelp - didn't see body of small whale - at Ellwood not next to each other, but C/C are often so close over there - play space?</i> | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | Cue/Tip / Saw | Route Past Holly |
|--------------|--------------------------|--|------------------|
| | 9:08:00 PST 17:08-GMT | Blow Position: 293° / 913 m Direction: West; Behavior: Slow travel | |
| | 9:10:00 PST 17:10-GMT | Blow Position: 294° / 1106 m Direction: West; Behavior: Slow travel | |
| | 9:12:00 PST 17:12-GMT | Blow Position: 294° / 1208 m Direction: West; Behavior: Slow travel | |
| | 9:14:00 PST 17:14-GMT | Blow Position: 294° / 1483 m Direction: West; Behavior: Slow travel | Inside |

Mar 04 Total 11 Calves 0
Day 22 of 98

Gray whale (northbound)

| Sighting Number | Fair - 2 | Total 6 — 0 Calves at sighting | |
|-----------------|---------------------------|--|---------|
| | 9:35:00 PST 17:35-GMT | ni / Blow Position: 166° / 3528 m Direction: West; Behavior: Slow travel • Fluke | |
| | 9:40:00 PST 17:40-GMT | Blow Position: 168° / 3528 m Direction: West; Behavior: Slow travel | |
| | 10:10:00 PST 18:10-GMT | Blow Position: 199° / 3528 m Direction: West; Behavior: Slow travel • Spyhop • Rolling | |
| | 10:16:00 PST 18:16-GMT | Blow Position: 206° / 3528 m Direction: West; Behavior: Slow travel • Rolling <i>Mating behavior</i> | |
| | 10:20:00 PST 18:20-GMT | Blow Position: 210° / 3528 m Direction: West; Behavior: Slow travel • Breach • Fluke | |
| | 10:22:00 PST 18:22-GMT | ni Position: 214° / 3528 m Direction: West; Behavior: Slow travel | |
| | 10:26:00 PST 18:26-GMT | Blow Position: 219° / 3528 m Direction: West; Behavior: Slow travel • Fluke | |
| | 10:31:00 PST 18:31-GMT | Blow Position: 226° / 3528 m Direction: West; Behavior: Slow travel • Rolling • Fluke | |
| | 10:35:00 PST 18:35-GMT | Blow Position: 230° / 3528 m Direction: West; Behavior: Slow travel | |
| | 10:38:00 PST 18:38-GMT | Blow Position: 232° / 3528 m Direction: West; Behavior: Slow travel | Outside |

| Sighting Number | Fair - 2 | Total 1 — 0 Calves at sighting | |
|-----------------|---------------------------|---|--------|
| | 9:48:00 PST 17:48-GMT | ni / Blow Position: 119° / 1483 m Direction: West; Behavior: Slow travel | |
| | 9:50:00 PST 17:50-GMT | Blow Position: 121° / 1483 m Direction: West; Behavior: Slow travel | |
| | 9:52:00 PST 17:52-GMT | Blow Position: 112° / 1403 m Direction: West; Behavior: Slow travel | |
| | 10:03:00 PST 18:03-GMT | Blow Position: 157° / 388 m Direction: West; Behavior: Slow travel | Inside |

| Sighting Number | Fair - 1 | Total 2 — 0 Calves at sighting |
|-----------------|---------------------------|---|
| | 10:52:00 PST 18:52-GMT | ni / Blow Position: 152° / 2260 m Direction: West; Behavior: Slow travel • Fluke |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | Time | CueTip / Saw | Route Past Holly |
|---------------------------------|------------------|-------------------------|--|------------------|
| | | 11:14:00 PST | Body | |
| | | 19:14-GMT | Position: 209° / 2260 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 11:20:00 PST | Blow | |
| | | 19:20-GMT | Position: 229° / 2749 m Direction: West; Behavior: Slow travel | |
| | | 11:29:00 PST | Blow | Inside |
| | | 19:29-GMT | Position: 244° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| Sighting Number | 14 | Good - 2 | Total 2 — 0 Calves at sighting | |
| | | 14:36:00 PST | ni / Blow | |
| | | 22:36-GMT | Position: 180° / 1403 m Direction: West; Behavior: Slow travel | |
| | | 14:38:00 PST | Blow | |
| | | 22:38-GMT | Position: 192° / 1403 m Direction: West; Behavior: Slow travel | |
| | | 14:42:00 PST | Blow | |
| | | 22:42-GMT | Position: 206° / 1403 m Direction: West; Behavior: Slow travel | |
| | | 14:45:00 PST | Blow | Inside |
| | | 22:45-GMT | Position: 220° / 1483 m Direction: West; Behavior: Slow travel | |
| Mar 05 Total 13 Calves 0 | | | | |
| Day 23 of 98 | | | | |
| | | Gray whale (northbound) | | |
| Sighting Number | 01 | Fair - 2 | Total 9 — 0 Calves at sighting | |
| | | 9:08:00 PST | ni / Blow | |
| | | 17:08-GMT | Position: 161° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 6 + 3 | | |
| | | 9:10:00 PST | Blow | |
| | | 17:10-GMT | Position: 172° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 9:17:00 PST | Blow | |
| | | 17:17-GMT | Position: 176° / 2749 m Direction: West; Behavior: Slow travel | |
| | | 9:19:00 PST | Blow | |
| | | 17:19-GMT | Position: 190° / 2749 m Direction: West; Behavior: Slow travel | |
| | | 9:21:00 PST | Blow | |
| | | 17:21-GMT | Position: 194° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 9:22:00 PST | Blow | |
| | | 17:22-GMT | Position: 197° / 2749 m Direction: West; Behavior: Slow travel | |
| | | 9:28:00 PST | Blow | |
| | | 17:28-GMT | Position: 215° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 9:36:00 PST | Blow | |
| | | 17:36-GMT | Position: 228° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 9:44:00 PST | Blow | Outside |
| | | 17:44-GMT | Position: 237° / 3088 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 11 | Fair - 3 | Total 2 — 0 Calves at sighting | |
| | | 13:10:00 PST | Boat / Blow | |
| | | 21:10-GMT | Position: 230° / 3088 m Direction: West; Behavior: Slow travel | |
| | | 13:20:00 PST | Blow | Outside |
| | | 21:20-GMT | Position: 239° / 3088 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|---|------------------------------------|--|------------------|
| Sighting Number 20 | Fair - 3 | Total 2 — 0 Calves at sighting | |
| | 16:35:00 PST 0:35; 3/6/2013-GMT | ni / Blow Position: 119° / 3528 m Direction: West; Behavior: Slow travel | |
| | 16:41:00 PST 0:41; 3/6/2013-GMT | Blow Position: 120° / 3528 m Direction: West; Behavior: Slow travel | |
| | 16:44:00 PST 0:44; 3/6/2013-GMT | Blow Position: 122° / 3088 m Direction: West; Behavior: Slow travel | |
| | 16:48:00 PST 0:48; 3/6/2013-GMT | Blow Position: 129° / 2749 m Direction: West; Behavior: Slow travel | |
| | 16:52:00 PST 0:52; 3/6/2013-GMT | Blow Position: 138° / 2260 m Direction: West; Behavior: Slow travel | |
| | 16:56:00 PST 0:56; 3/6/2013-GMT | Blow Position: 148° / 1922 m Direction: West; Behavior: Slow travel | |
| | 17:00:00 PST 1:00; 3/6/2013-GMT | Blow Position: 166° / 1674 m Direction: West; Behavior: Slow travel | ni |
| Mar 06 Total 19 Calves 0 Day 24 of 98 | Gray whale (northbound) | | |
| Sighting Number 06 | Fair - 2 | Total 5 — 0 Calves at sighting | |
| | 9:45:00 PST 17:45-GMT | ni / Blow Position: 156° / 3528 m Direction: West; Behavior: Slow travel • Fluke <i>1 + 4</i> | |
| | 9:58:00 PST 17:58-GMT | Blow Position: 161° / 3528 m Direction: West; Behavior: Slow travel | |
| | 10:02:00 PST 18:02-GMT | Body Position: 167° / 3528 m Direction: West; Behavior: Slow travel • Fluke | |
| | 10:25:00 PST 18:25-GMT | Blow Position: 191° / 3088 m Direction: West; Behavior: Slow travel | |
| | 10:34:00 PST 18:34-GMT | Blow Position: 203° / 3528 m Direction: West; Behavior: Slow travel | |
| | 10:38:00 PST 18:38-GMT | Body Position: 208° / 3528 m Direction: West; Behavior: Slow travel • Rolling <i>Mating behavior</i> | |
| | 10:50:00 PST 18:50-GMT | Blow Position: 224° / 3528 m Direction: West; Behavior: Slow travel • Fluke | |
| | 11:00:00 PST 19:00-GMT | Blow Position: 236° / 3528 m Direction: West; Behavior: Slow travel • Fluke | Outside |
| Sighting Number 14 | Fair - 3 | Total 2 — 0 Calves at sighting | |
| | 11:04:00 PST 19:04-GMT | ni / Blow Position: 169° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| | 11:23:00 PST 19:23-GMT | Blow Position: 182° / 3528 m Direction: West; Behavior: Slow travel • Fluke | |
| | 11:34:00 PST 19:34-GMT | Blow Position: 197° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|---------------------------|---------------------------|--|------------------|
| | 11:41:00 PST 19:41-GMT | Blow Position: 209° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| | 11:45:00 PST 19:45-GMT | Blow Position: 216° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| | 11:54:00 PST 19:54-GMT | Blow Position: 230° / 3528 m Direction: West; Behavior: Slow travel • Fluke | Outside |
| Sighting Number 16 | Fair - 3 | Total 3 — 0 Calves at sighting | |
| | 12:23:00 PST 20:23-GMT | ni / Blow Position: 132° / 3528 m Direction: West; Behavior: Slow travel • Spyhop • Rolling | |
| | 12:38:00 PST 20:38-GMT | Blow Position: 137° / 3528 m Direction: West; Behavior: Slow travel • Fluke | |
| | 12:48:00 PST 20:48-GMT | Blow Position: 142° / 3528 m Direction: West; Behavior: Slow travel | |
| | 12:54:00 PST 20:54-GMT | Blow Position: 144° / 3528 m Direction: West; Behavior: Slow travel • Fluke | |
| | 13:06:00 PST 21:06-GMT | Blow Position: 144° / 3528 m Direction: West; Behavior: Slow travel • Rolling • Fluke | |
| | 13:09:00 PST 21:09-GMT | Blow Position: 146° / 3528 m Direction: West; Behavior: Slow travel • Rolling • Fluke <i>Sharking</i> | |
| | 13:23:00 PST 21:23-GMT | Body Position: 156° / 3528 m Direction: West; Behavior: Slow travel • Rolling • Fluke | |
| | 13:54:00 PST 21:54-GMT | Blow Position: 159° / 3528 m Direction: West; Behavior: Slow travel • Rolling | |
| | 13:55:00 PST 21:55-GMT | Blow Position: 167° / 3088 m Direction: West; Behavior: Slow travel • Rolling <i>Group mating</i> | |
| | 14:04:00 PST 22:04-GMT | Blow Position: 169° / 3088 m Direction: West; Behavior: Slow travel • Rolling | |
| | 14:19:00 PST 22:19-GMT | Blow Position: 182° / 3088 m Direction: West; Behavior: Slow travel • Rolling | |
| | 14:30:00 PST 22:30-GMT | Body Position: 188° / 2749 m Direction: West; Behavior: Slow travel • Spyhop • Rolling <i>Sharking</i> | |
| | 14:36:00 PST 22:36-GMT | Blow Position: 192° / 3088 m Direction: West; Behavior: Slow travel • Rolling | |
| | 14:42:00 PST 22:42-GMT | Blow Position: 196° / 3088 m Direction: West; Behavior: Slow travel • Rolling • Fluke | Outside |
| Sighting Number 18 | Fair - 3 | Total 2 — 0 Calves at sighting | |
| | 12:43:00 PST 20:43-GMT | ni / Body Position: 128° / 3088 m Direction: West; Behavior: Slow travel • Breach | |
| | 12:49:00 PST 20:49-GMT | Blow Position: 140° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|-----------------|--------------------------|--|--------------------------------|
| | 12:58:00 PST | Blow | nd |
| | 20:58-GMT | Position: 159° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| Sighting Number | 20 | Fair - 3 | Total 1 — 0 Calves at sighting |
| | 13:32:00 PST | — / Blow | |
| | 21:32-GMT | Position: 115° / 2749 m Direction: West; Behavior: Slow travel | |
| | 13:37:00 PST | Blow | |
| | 21:37-GMT | Position: 120° / 2749 m Direction: West; Behavior: Slow travel | |
| | 13:44:00 PST | Blow | |
| | 21:44-GMT | Position: 133° / 1922 m Direction: West; Behavior: Slow travel • Fluke | |
| | 13:48:00 PST | Blow | |
| | 21:48-GMT | Position: 142° / 1483 m Direction: West; Behavior: Slow travel • Fluke | |
| | 13:55:00 PST | Blow | |
| | 21:55-GMT | Position: 166° / 1483 m Direction: West; Behavior: Slow travel | |
| | 13:59:00 PST | Blow | |
| | 21:59-GMT | Position: 192° / 946 m Direction: West; Behavior: Slow travel • Fluke | |
| | 14:09:00 PST | Blow | |
| | 22:09-GMT | Position: 213° / 735 m Direction: West; Behavior: Slow travel | |
| | 14:09:00 PST | Blow | |
| | 22:09-GMT | Position: 218° / 735 m Direction: West; Behavior: Slow travel | |
| | 14:10:00 PST | Body | Inside |
| | 22:10-GMT | Position: 221° / 735 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 21 | Fair - 3 | Total 1 — 0 Calves at sighting |
| | 13:46:00 PST | — / Blow | |
| | 21:46-GMT | Position: 121° / 1483 m Direction: West; Behavior: Slow travel | |
| | 13:51:00 PST | Blow | |
| | 21:51-GMT | Position: 128° / 1403 m Direction: West; Behavior: Slow travel | |
| | 14:01:00 PST | Body | nd |
| | 22:01-GMT | Position: 171° / 827 m Direction: West; Behavior: Slow travel • Fluke | |
| Sighting Number | 24 | Fair - 3 | Total 2 — 0 Calves at sighting |
| | 15:23:00 PST | — / Blow | |
| | 23:23-GMT | Position: 120° / 5027 m Direction: West; Behavior: Slow travel | |
| | 15:37:00 PST | Blow | |
| | 23:37-GMT | Position: 123° / 3528 m Direction: West; Behavior: Slow travel • Fluke | |
| | 15:44:00 PST | Blow | |
| | 23:44-GMT | Position: 126° / 3528 m Direction: West; Behavior: Slow travel | |
| | 15:49:00 PST | Blow | |
| | 23:49-GMT | Position: 131° / 3528 m Direction: West; Behavior: Slow travel • Fluke | |
| | 15:54:00 PST | Blow | |
| | 23:54-GMT | Position: 135° / 3088 m Direction: West; Behavior: Slow travel | |
| | 16:00:00 PST | Blow | |
| | 0:00; 3/7/2013-GMT | Position: 151° / 2749 m Direction: West; Behavior: Slow travel | |
| | 16:11:00 PST | Blow | |
| | 0:11; 3/7/2013-GMT | Position: 163° / 2260 m Direction: West; Behavior: Slow travel • Fluke | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | Time | CueTip / Saw | Route Past Holly |
|--------------------------------|------------------|--------------------|--|------------------|
| | | 16:17:00 PST | Blow | |
| | | 0:17; 3/7/2013-GMT | Position: 175° / 1922 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 16:22:00 PST | Blow | nd |
| | | 0:22; 3/7/2013-GMT | Position: 196° / 1922 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 26 | Fair - 3 | Total 2 — 0 Calves at sighting | |
| | | 16:08:00 PST | — / Blow | |
| | | 0:08; 3/7/2013-GMT | Position: 141° / 5027 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 16:19:00 PST | Blow | |
| | | 0:19; 3/7/2013-GMT | Position: 152° / 5027 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 16:25:00 PST | Blow | ni |
| | | 0:25; 3/7/2013-GMT | Position: 161° / 3528 m Direction: West; Behavior: Slow travel • Fluke | |
| Sighting Number | 28 | Fair - 3 | Total 1 — 0 Calves at sighting | |
| | | 16:53:00 PST | — / Blow | |
| | | 0:53; 3/7/2013-GMT | Position: 168° / 550 m Direction: West; Behavior: Slow travel | |
| | | 16:55:00 PST | Blow | |
| | | 0:55; 3/7/2013-GMT | Position: 182° / 629 m Direction: West; Behavior: Slow travel | |
| | | 17:00:00 PST | Blow | Inside |
| | | 1:00; 3/7/2013-GMT | Position: 234° / 678 m Direction: West; Behavior: Slow travel • Fluke | |
| Mar 07 Total 6 Calves 0 | | | | |
| Day 25 of 98 | | | | |
| Gray whale (northbound) | | | | |
| Sighting Number | 10 | Fair - 1 | Total 3 — 0 Calves at sighting | |
| | | 11:27:00 PST | — / Blow | |
| | | 19:27-GMT | Position: 138° / 3528 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 11:34:00 PST | Blow | |
| | | 19:34-GMT | Position: 141° / 3528 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 11:40:00 PST | Blow | |
| | | 19:40-GMT | Position: 144° / 3528 m Direction: West; Behavior: Slow travel | |
| | | 11:59:00 PST | Body | |
| | | 19:59-GMT | Position: 160° / 3088 m Direction: West; Behavior: Slow travel | |
| | | 12:02:00 PST | Body | |
| | | 20:02-GMT | Position: 164° / 2749 m Direction: West; Behavior: Slow travel | |
| | | 12:13:00 PST | Blow | |
| | | 20:13-GMT | Position: 187° / 2749 m Direction: West; Behavior: Slow travel | |
| | | 12:17:00 PST | Body | |
| | | 20:17-GMT | Position: 198° / 2260 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 12:19:00 PST | Blow | Inside |
| | | 20:19-GMT | Position: 205° / 2749 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 11 | Fair - 1 | Total 2 — 0 Calves at sighting | |
| | | 11:30:00 PST | — / Blow | |
| | | 19:30-GMT | Position: 143° / 3088 m Direction: West; Behavior: Slow travel | |
| | | 11:36:00 PST | Blow | |
| | | 19:36-GMT | Position: 150° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 11:45:00 PST | Body | |
| | | 19:45-GMT | Position: 163° / 3088 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | Cue/Tip / Saw | Route Past Holly |
|-------------------|---------------------------|---|---|
| | 11:51:00 PST 19:51-GMT | Body Position: 173° / 3088 m Direction: West; Behavior: Slow travel | |
| | 11:55:00 PST 19:55-GMT | Body Position: 182° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| | 12:05:00 PST 20:05-GMT | Body Position: 207° / 2749 m Direction: West; Behavior: Slow travel | nd |
| Sighting Number | 13 | Fair - 0 | Total 1 — 0 Calves at sighting |
| | 12:26:00 PST 20:26-GMT | Passerby / Body Position: 185° / 1403 m Direction: West; Behavior: Slow travel | |
| | 12:36:00 PST 20:36-GMT | Body Position: 242° / 1483 m Direction: West; Behavior: Slow travel | Inside |
| <hr/> | | | |
| Mar 08 | Total 11 Calves 0 | Gray whale (northbound) | |
| Day 26 of 98 | | | |
| Sighting Number | 02 | Fair - 3 | Total 6 — 0 Calves at sighting |
| | 9:45:00 PST 17:45-GMT | ni / Blow Position: 117° / 3528 m Direction: West; Behavior: Slow travel | |
| | 9:52:00 PST 17:52-GMT | Blow Position: 118° / 3528 m Direction: West; Behavior: Slow travel • Fluke | |
| | 9:59:00 PST 17:59-GMT | Blow Position: 118° / 3528 m Direction: West; Behavior: Slow travel | |
| | 10:02:00 PST 18:02-GMT | Blow Position: 120° / 3088 m Direction: West; Behavior: Slow travel | |
| | 10:10:00 PST 18:10-GMT | Blow Position: 123° / 3088 m Direction: West; Behavior: Slow travel | |
| | 10:19:00 PST 18:19-GMT | Blow Position: 127° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| | 10:30:00 PST 18:30-GMT | Blow Position: 131° / 2260 m Direction: West; Behavior: Slow travel • Fluke | |
| | 10:46:00 PST 18:46-GMT | Blow Position: 158° / 1106 m Direction: West; Behavior: Slow travel • Rolling | |
| | 10:42:00 PST 18:42-GMT | Blow Position: 197° / 946 m Direction: West; Behavior: Slow travel • Rolling | |
| | 10:54:00 PST 18:54-GMT | Blow Position: 223° / 1208 m Direction: West; Behavior: Slow travel • Rolling • Fluke | |
| | 10:57:00 PST 18:57-GMT | Blow Position: 238° / 1331 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 03 | Fair - 4 | Total 1 — 0 Calves at sighting <i>Disappeared</i> |
| | 10:40:00 PST 18:40-GMT | ni / Blow Position: 179° / 1483 m Direction: West; Behavior: Slow travel <i>Lost it</i> | nd |
| Sighting Number | 07 | Fair - 4 | Total 4 — 0 Calves at sighting |
| Images: 1283-1303 | 12:32:00 PST 20:32-GMT | ni / Blow Position: 135° / 2260 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|--------------|---------------------------|--|------------------|
| | 12:37:00 PST 20:37-GMT | Blow Position: 140° / 1922 m Direction: West; Behavior: Slow travel | |
| | 12:40:00 PST 20:40-GMT | Blow Position: 148° / 1674 m Direction: West; Behavior: Slow travel | |
| | 12:43:00 PST 20:43-GMT | Blow Position: 158° / 1483 m Direction: West; Behavior: Slow travel | |
| | 12:49:00 PST 20:49-GMT | Blow Position: 182° / 1106 m Direction: West; Behavior: Slow travel | |
| | 12:55:00 PST 20:55-GMT | ni Position: 220° / 1106 m Direction: West; Behavior: Slow travel | |
| | 13:00:00 PST 21:00-GMT | Blow Position: 251° / 1331 m Direction: West; Behavior: Slow travel | Inside |

Mar 09 Total 6 Calves 0
Day 27 of 98

Gray whale (northbound)

Sighting Number **01** Fair - 3 Total 2 — 0 Calves at sighting

| | | |
|--------------------------|---|--------|
| 8:58:00 PST 16:58-GMT | ni / Blow Position: 148° / 2260 m Direction: West; Behavior: Slow travel | |
| 9:02:00 PST 17:02-GMT | Blow Position: 156° / 2260 m Direction: West; Behavior: Slow travel | |
| 9:07:00 PST 17:07-GMT | Blow Position: 187° / 2260 m Direction: West; Behavior: Slow travel | |
| 9:16:00 PST 17:16-GMT | Blow Position: 200° / 1922 m Direction: West; Behavior: Slow travel | |
| 9:23:00 PST 17:23-GMT | Blow Position: 249° / 2260 m Direction: West; Behavior: Slow travel | Inside |

Sighting Number **02** Fair - 3 Total 1 — 0 Calves at sighting

| | | |
|--------------------------|---|--------|
| 9:00:00 PST 17:00-GMT | ni / Blow Position: 137° / 1674 m Direction: West; Behavior: Slow travel | |
| 9:02:00 PST 17:02-GMT | Blow Position: 138° / 1674 m Direction: West; Behavior: Slow travel | |
| 9:10:00 PST 17:10-GMT | Blow Position: 165° / 1674 m Direction: West; Behavior: Slow travel | |
| 9:12:00 PST 17:12-GMT | Blow Position: 175° / 1674 m Direction: West; Behavior: Slow travel | |
| 9:15:00 PST 17:15-GMT | Blow Position: 218° / 1674 m Direction: West; Behavior: Slow travel | |
| 9:18:00 PST 17:18-GMT | Blow Position: 222° / 1674 m Direction: West; Behavior: Slow travel | |
| 9:20:00 PST 17:20-GMT | Blow Position: 232° / 1483 m Direction: West; Behavior: Slow travel | |
| 9:22:00 PST 17:22-GMT | Blow Position: 238° / 1483 m Direction: West; Behavior: Slow travel | Inside |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|---|---------------------------|---|------------------|
| Sighting Number 03 | Fair - 3 | Total 3 — 0 Calves at sighting | |
| | 9:04:00 PST 17:04-GMT | ni / Blow Position: 180° / 3088 m Direction: West; Behavior: Slow travel | |
| | 9:14:00 PST 17:14-GMT | Blow Position: 196° / 3088 m Direction: West; Behavior: Slow travel | |
| | 9:18:00 PST 17:18-GMT | Blow Position: 203° / 3088 m Direction: West; Behavior: Slow travel | Outside |
| Mar 10 Total 25 Calves 0 Day 28 of 98 | Gray whale (northbound) | | |
| Sighting Number 01 | Good - 0 | Total 3 — 0 Calves at sighting | |
| | 9:17:00 PDT 16:17-GMT | ni / Blow Position: 168° / 5027 m Direction: West; Behavior: Slow travel • Fluke | |
| | 9:25:00 PDT 16:25-GMT | Blow Position: 172° / 5027 m Direction: West; Behavior: Slow travel | nd |
| | | <i>Hazy SW - lost them</i> | |
| Sighting Number 02 | Good - 0 | Total 5 — 0 Calves at sighting | |
| | 9:20:00 PDT 16:20-GMT | ni / Blow Position: 153° / 5027 m Direction: West; Behavior: Slow travel | |
| | | <i>Spaced apart over 1-2 degrees</i> | |
| | 9:23:00 PDT 16:23-GMT | Blow Position: 154° / 5027 m Direction: West; Behavior: Slow travel • Fluke | |
| | 9:29:00 PDT 16:29-GMT | Blow Position: 157° / 5027 m Direction: West; Behavior: Slow travel | |
| | 9:32:00 PDT 16:32-GMT | Blow Position: 159° / 5027 m Direction: West; Behavior: Slow travel | |
| | 9:40:00 PDT 16:40-GMT | Blow Position: 163° / 5027 m Direction: West; Behavior: Slow travel | |
| | 9:48:00 PDT 16:48-GMT | Blow Position: 169° / 5027 m Direction: West; Behavior: Slow travel | |
| | 9:54:00 PDT 16:54-GMT | Blow Position: 172° / 5027 m Direction: West; Behavior: Slow travel | |
| | 9:58:00 PDT 16:58-GMT | Blow Position: 176° / 5027 m Direction: West; Behavior: Slow travel | |
| | 10:02:00 PDT 17:02-GMT | Blow Position: 179° / 5027 m Direction: West; Behavior: Slow travel | |
| | 10:09:00 PDT 17:09-GMT | Blow Position: 185° / 3528 m Direction: West; Behavior: Slow travel | |
| | 10:11:00 PDT 17:11-GMT | Blow Position: 188° / 3528 m Direction: West; Behavior: Slow travel | |
| | 10:18:00 PDT 17:18-GMT | Blow Position: 195° / 3528 m Direction: West; Behavior: Slow travel | |
| | 10:24:00 PDT 17:24-GMT | Blow Position: 200° / 3528 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|-----------------|---------------------------|--|--------------------------------|
| | 10:28:00 PDT 17:28-GMT | Blow Position: 205° / 3528 m Direction: West; Behavior: Slow travel | |
| | 10:31:00 PDT 17:31-GMT | Blow Position: 208° / 3528 m Direction: West; Behavior: Slow travel | |
| | 10:34:00 PDT 17:34-GMT | Blow Position: 211° / 3528 m Direction: West; Behavior: Slow travel | |
| | 10:39:00 PDT 17:39-GMT | Blow Position: 215° / 3528 m Direction: West; Behavior: Slow travel | |
| | 10:55:00 PDT 17:55-GMT | Blow Position: 230° / 3528 m Direction: West; Behavior: Slow travel | Outside |
| Sighting Number | 04 | Good - 1 | Total 1 — 0 Calves at sighting |
| | 9:51:00 PDT 16:51-GMT | ni / Blow Position: 120° / 3088 m Direction: West; Behavior: Slow travel | |
| | 9:59:00 PDT 16:59-GMT | Blow Position: 118° / 3088 m Direction: West; Behavior: Slow travel | |
| | 10:08:00 PDT 17:08-GMT | Blow Position: 120° / 2749 m Direction: West; Behavior: Slow travel | |
| | 10:14:00 PDT 17:14-GMT | Blow Position: 125° / 1483 m Direction: West; Behavior: Slow travel | |
| | 10:21:00 PDT 17:21-GMT | Blow Position: 154° / 778 m Direction: West; Behavior: Slow travel | |
| | 10:26:00 PDT 17:26-GMT | Blow Position: 180° / 528 m Direction: West; Behavior: Slow travel | |
| | 10:29:00 PDT 17:29-GMT | Blow Position: 205° / 528 m Direction: West; Behavior: Slow travel | |
| | 10:33:00 PDT 17:33-GMT | Body Position: 243° / 778 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 08 | Good - 1 | Total 6 — 0 Calves at sighting |
| | 10:52:00 PDT 17:52-GMT | ni / Blow Position: 124° / 5027 m Direction: West; Behavior: Slow travel <i>Group of four in front and a pair behind</i> | |
| | 11:02:00 PDT 18:02-GMT | Blow Position: 124° / 5027 m Direction: West; Behavior: Slow travel | |
| | 11:11:00 PDT 18:11-GMT | Blow Position: 124° / 5027 m Direction: West; Behavior: Slow travel | |
| | 11:19:00 PDT 18:19-GMT | Blow Position: 126° / 5027 m Direction: West; Behavior: Slow travel • Fluke | |
| | 11:27:00 PDT 18:27-GMT | Blow Position: 125° / 3528 m Direction: West; Behavior: Slow travel • Fluke | |
| | 11:34:00 PDT 18:34-GMT | Blow Position: 126° / 3528 m Direction: West; Behavior: Slow travel • Breach | |
| | 11:40:00 PDT 18:40-GMT | Blow Position: 126° / 3528 m Direction: West; Behavior: Slow travel • Breach | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|-----------------|---------------------------|--|--------------------------------|
| | 11:42:00 PDT 18:42-GMT | Blow Position: 126° / 3528 m Direction: West; Behavior: Slow travel • Fluke | |
| | 11:47:00 PDT 18:47-GMT | Blow Position: 127° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| | 11:50:00 PDT 18:50-GMT | Blow Position: 129° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| | 11:55:00 PDT 18:55-GMT | Blow Position: 130° / 2749 m Direction: West; Behavior: Slow travel | |
| | 12:02:00 PDT 19:02-GMT | Blow Position: 134° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| | 12:07:00 PDT 19:07-GMT | Blow Position: 140° / 1922 m Direction: West; Behavior: Slow travel | |
| | 12:09:00 PDT 19:09-GMT | Blow Position: 142° / 1922 m Direction: West; Behavior: Slow travel • Fluke | |
| | 12:15:00 PDT 19:15-GMT | Blow Position: 160° / 1331 m Direction: West; Behavior: Slow travel <i>With dolphins</i> | |
| | 12:18:00 PDT 19:18-GMT | Blow Position: 165° / 1106 m Direction: West; Behavior: Slow travel • Fluke | |
| | 12:24:00 PDT 19:24-GMT | Blow Position: 204° / 883 m Direction: West; Behavior: Slow travel • Fluke | |
| | 12:27:00 PDT 19:27-GMT | Blow Position: 227° / 1208 m Direction: West; Behavior: Slow travel | |
| | 12:32:00 PDT 19:32-GMT | Blow Position: 245° / 883 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 13 | Good - 1 | Total 3 — 0 Calves at sighting |
| | 12:26:00 PDT 19:26-GMT | ni / Blow Position: 114° / 5027 m Direction: West; Behavior: Slow travel | |
| | 12:34:00 PDT 19:34-GMT | Blow Position: 117° / 3528 m Direction: West; Behavior: Slow travel | |
| | 12:39:00 PDT 19:39-GMT | Blow Position: 118° / 3528 m Direction: West; Behavior: Slow travel | |
| | 12:50:00 PDT 19:50-GMT | Blow Position: 122° / 2749 m Direction: West; Behavior: Slow travel | |
| | 12:53:00 PDT 19:53-GMT | Blow Position: 123° / 2749 m Direction: West; Behavior: Slow travel | |
| | 12:55:00 PDT 19:55-GMT | Blow Position: 124° / 2749 m Direction: West; Behavior: Slow travel | |
| | 13:03:00 PDT 20:03-GMT | Blow Position: 129° / 1922 m Direction: West; Behavior: Slow travel | |
| | 13:09:00 PDT 20:09-GMT | Blow Position: 136° / 1106 m Direction: West; Behavior: Slow travel | |
| | 13:13:00 PDT 20:13-GMT | Blow Position: 152° / 1208 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|---------------------------|---------------------------|---|------------------|
| | 13:15:00 PDT 20:15-GMT | Blow Position: 168° / 946 m Direction: West; Behavior: Slow travel | |
| | 13:18:00 PDT 20:18-GMT | Body Position: 184° / 883 m Direction: West; Behavior: Slow travel | |
| | 13:24:00 PDT 20:24-GMT | Blow Position: 235° / 1106 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number 17 | Good - 0 | Total 3 — 0 Calves at sighting | |
| | 13:43:00 PDT 20:43-GMT | ni / Blow Position: 171° / 3088 m Direction: West; Behavior: Slow travel | |
| | 13:48:00 PDT 20:48-GMT | Blow Position: 175° / 3088 m Direction: West; Behavior: Slow travel | |
| | 13:51:00 PDT 20:51-GMT | Blow Position: 180° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| | 13:58:00 PDT 20:58-GMT | Blow Position: 189° / 3088 m Direction: West; Behavior: Slow travel | |
| | 14:02:00 PDT 21:02-GMT | Blow Position: 193° / 3088 m Direction: West; Behavior: Slow travel | |
| | 14:04:00 PDT 21:04-GMT | Blow Position: 194° / 3088 m Direction: West; Behavior: Slow travel | |
| | 14:07:00 PDT 21:07-GMT | Blow Position: 196° / 1403 m Direction: West; Behavior: Slow travel | |
| | 14:12:00 PDT 21:12-GMT | Blow Position: 201° / 3088 m Direction: West; Behavior: Slow travel | |
| | 14:16:00 PDT 21:16-GMT | Blow Position: 204° / 3088 m Direction: West; Behavior: Slow travel | |
| | 14:23:00 PDT 21:23-GMT | Blow Position: 220° / 3528 m Direction: West; Behavior: Slow travel | |
| | 14:27:00 PDT 21:27-GMT | Blow Position: 222° / 3528 m Direction: West; Behavior: Slow travel • Rolling | |
| | 14:33:00 PDT 21:33-GMT | Blow Position: 224° / 3528 m Direction: West; Behavior: Slow travel | |
| | 14:38:00 PDT 21:38-GMT | Blow Position: 225° / 3528 m Direction: West; Behavior: Slow travel • Rolling <i>Mating behavior - sharking</i> | |
| | 14:51:00 PDT 21:51-GMT | Blow Position: 230° / 3528 m Direction: West; Behavior: Slow travel | |
| | 14:56:00 PDT 21:56-GMT | Blow Position: 234° / 3528 m Direction: West; Behavior: Slow travel | Outside |
| Sighting Number 19 | Fair - 2 | Total 1 — 0 Calves at sighting | |
| | 14:45:00 PDT 21:45-GMT | ni / Blow Position: 151° / 2749 m Direction: West; Behavior: Slow travel | |
| | 14:52:00 PDT 21:52-GMT | Blow Position: 164° / 2260 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|-----------------|---------------------------|---|--------------------------------|
| | 14:53:00 PDT 21:53-GMT | Blow Position: 166° / 2260 m Direction: West; Behavior: Slow travel | |
| | 14:57:00 PDT 21:57-GMT | Blow Position: 174° / 1922 m Direction: West; Behavior: Slow travel | |
| | 15:02:00 PDT 22:02-GMT | Blow Position: 189° / 1922 m Direction: West; Behavior: Slow travel | |
| | 15:06:00 PDT 22:06-GMT | Blow Position: 198° / 1922 m Direction: West; Behavior: Slow travel | |
| | 15:07:00 PDT 22:07-GMT | Blow Position: 206° / 1922 m Direction: West; Behavior: Slow travel | |
| | 15:09:00 PDT 22:09-GMT | Blow Position: 211° / 1922 m Direction: West; Behavior: Slow travel | |
| | 15:14:00 PDT 22:14-GMT | Blow Position: 226° / 1922 m Direction: West; Behavior: Slow travel | |
| | 15:17:00 PDT 22:17-GMT | Blow Position: 238° / 1922 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 20 | Fair - 2 | Total 3 — 0 Calves at sighting |
| | 15:11:00 PDT 22:11-GMT | ni / Blow Position: 163° / 3528 m Direction: West; Behavior: Slow travel | |
| | 15:19:00 PDT 22:19-GMT | Blow Position: 169° / 3088 m Direction: West; Behavior: Slow travel | |
| | 15:28:00 PDT 22:28-GMT | Blow Position: 181° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| | 15:38:00 PDT 22:38-GMT | Blow Position: 199° / 3088 m Direction: West; Behavior: Slow travel | |
| | 15:49:00 PDT 22:49-GMT | Blow Position: 217° / 3088 m Direction: West; Behavior: Slow travel | Outside |
| Mar 11 | Total 10 Calves 0 | Gray whale (northbound) | |
| Day 29 of 98 | Sighting Number | 10 | Fair - 0 |
| | | | Total 5 — 0 Calves at sighting |
| | 14:00:00 PDT 21:00-GMT | ni / Blow Position: 132° / 5027 m Direction: West; Behavior: Slow travel | |
| | 14:05:00 PDT 21:05-GMT | Blow Position: 134° / 5027 m Direction: West; Behavior: Slow travel • Fluke | |
| | 14:13:00 PDT 21:13-GMT | Blow Position: 138° / 3528 m Direction: West; Behavior: Slow travel | |
| | 14:19:00 PDT 21:19-GMT | Blow Position: 143° / 2749 m Direction: West; Behavior: Slow travel • Spyhop • Rolling • | |
| | 14:23:00 PDT 21:23-GMT | Blow Position: 146° / 2749 m Direction: West; Behavior: Slow travel | |
| | 14:27:00 PDT 21:27-GMT | Blow Position: 149° / 2749 m Direction: West; Behavior: Slow travel | |
| | 14:29:00 PDT 21:29-GMT | Blow Position: 150° / 2260 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|-----------------|---------------------------|--|--------------------------------|
| | 14:31:00 PDT 21:31-GMT | Blow Position: 154° / 2260 m Direction: West; Behavior: Slow travel • Fluke | |
| | 14:34:00 PDT 21:34-GMT | Blow Position: 159° / 2260 m Direction: West; Behavior: Slow travel • Fluke | |
| | 14:41:00 PDT 21:41-GMT | Blow Position: 172° / 2260 m Direction: West; Behavior: Slow travel | |
| | 14:48:00 PDT 21:48-GMT | Body Position: 187° / 2260 m Direction: West; Behavior: Slow travel | |
| | 14:51:00 PDT 21:51-GMT | Blow Position: 193° / 2260 m Direction: West; Behavior: Slow travel | |
| | 14:53:00 PDT 21:53-GMT | Blow Position: 196° / 2260 m Direction: West; Behavior: Slow travel • Fluke | |
| | 14:57:00 PDT 21:57-GMT | Blow Position: 208° / 2260 m Direction: West; Behavior: Slow travel • Fluke | |
| | 15:02:00 PDT 22:02-GMT | Blow Position: 217° / 2260 m Direction: West; Behavior: Slow travel | |
| | 15:13:00 PDT 22:13-GMT | Blow Position: 233° / 2749 m Direction: West; Behavior: Slow travel | Outside |
| Sighting Number | 13 | Good - 1 | Total 1 — 0 Calves at sighting |
| | 14:42:00 PDT 21:42-GMT | ni / Blow Position: 174° / 5027 m Direction: West; Behavior: Slow travel | |
| | 15:06:00 PDT 22:06-GMT | Blow Position: 196° / 5027 m Direction: West; Behavior: Slow travel | |
| | 15:12:00 PDT 22:12-GMT | Blow Position: 203° / 5027 m Direction: West; Behavior: Slow travel | Outside |
| Sighting Number | 14 | Good - 1 | Total 4 — 0 Calves at sighting |
| | 15:27:00 PDT 22:27-GMT | ni / Blow Position: 161° / 5027 m Direction: West; Behavior: Slow travel | |
| | 15:30:00 PDT 22:30-GMT | Blow Position: 164° / 5027 m Direction: West; Behavior: Slow travel | |
| | 15:37:00 PDT 22:37-GMT | Blow Position: 169° / 5027 m Direction: West; Behavior: Slow travel | |
| | 15:41:00 PDT 22:41-GMT | Blow Position: 180° / 3528 m Direction: West; Behavior: Slow travel | |
| | 15:45:00 PDT 22:45-GMT | Blow Position: 183° / 3528 m Direction: West; Behavior: Slow travel | |
| | 15:47:00 PDT 22:47-GMT | Blow Position: 186° / 3528 m Direction: West; Behavior: Slow travel • Fluke | |
| | 15:56:00 PDT 22:56-GMT | Blow Position: 196° / 3528 m Direction: West; Behavior: Slow travel | |
| | 16:03:00 PDT 23:03-GMT | Blow Position: 204° / 3528 m Direction: West; Behavior: Slow travel | |
| | 16:05:00 PDT 23:05-GMT | Blow Position: 207° / 3528 m Direction: West; Behavior: Slow travel • Fluke | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|--------------------------------|--|---|--------------------------------|
| | 16:14:00 PDT | Blow | |
| | 23:14-GMT | Position: 218° / 3528 m Direction: West; Behavior: Slow travel | |
| | 16:24:00 PDT | Blow | Outside |
| | 23:24-GMT | Position: 227° / 3528 m Direction: West; Behavior: Slow travel | |
| <hr/> | | | |
| Mar 14 Total 4 Calves 0 | Gray whale (northbound) | | |
| Day 32 of 98 | | | |
| Sighting Number | 05 | Good - 2 | Total 1 — 0 Calves at sighting |
| Images: 1427-44 | 15:24:00 PDT | ni / Blow | |
| | 22:24-GMT | Position: 128° / 600 m Direction: West; Behavior: Slow travel | |
| | <i>Perhaps yearling - observed in kelp (no position) 35 min. earlier</i> | | |
| | 15:28:00 PDT | Blow | |
| | 22:28-GMT | Position: 182° / 366 m Direction: West; Behavior: Slow travel • Breach | |
| | <i>3 breaches</i> | | |
| | 15:32:00 PDT | Blow | Inside |
| | 22:32-GMT | Position: 235° / 574 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 09 | Fair - 2 | Total 3 — 0 Calves at sighting |
| | 16:26:00 PDT | ni / Breach | |
| | 23:26-GMT | Position: 124° / 3528 m Direction: West; Behavior: Slow travel • Breach | |
| | <i>3 breaches</i> | | |
| | 16:32:00 PDT | Blow | |
| | 23:32-GMT | Position: 124° / 3528 m Direction: West; Behavior: Slow travel | |
| | 16:39:00 PDT | Blow | |
| | 23:39-GMT | Position: 126° / 3528 m Direction: West; Behavior: Slow travel | |
| | 16:45:00 PDT | Blow | |
| | 23:45-GMT | Position: 127° / 3088 m Direction: West; Behavior: Slow travel | |
| | 16:52:00 PDT | ni | nd |
| | 23:52-GMT | Position: 130° / 3088 m Direction: West; Behavior: Slow travel | |
| <hr/> | | | |
| Mar 16 Total 9 Calves 0 | Gray whale (northbound) | | |
| Day 34 of 98 | | | |
| Sighting Number | 09 | Poor - 1 | Total 2 — 0 Calves at sighting |
| | 11:46:00 PDT | ni / Blow | |
| | 18:46-GMT | Position: 160° / 1403 m Direction: West; Behavior: Slow travel | |
| | 11:52:00 PDT | Blow | |
| | 18:52-GMT | Position: 182° / 1403 m Direction: West; Behavior: Slow travel | |
| | 12:02:00 PDT | Blow | |
| | 19:02-GMT | Position: 220° / 1403 m Direction: West; Behavior: Slow travel | |
| | 12:08:00 PDT | ni | Inside |
| | 19:08-GMT | Position: 240° / 1403 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 10 | Poor - 1 | Total 5 — 0 Calves at sighting |
| | 12:11:00 PDT | ni / Blow | |
| | 19:11-GMT | Position: 103° / 3088 m Direction: West; Behavior: Slow travel | |
| | <i>3 + 2</i> | | |
| | 12:15:00 PDT | Blow | |
| | 19:15-GMT | Position: 102° / 3088 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | Time | CueTip / Saw | Route Past Holly |
|-----------------|------------------|-------------------------------------|---|------------------|
| | | 12:27:00 PDT | Blow | |
| | | 19:27-GMT | Position: 108° / 2749 m Direction: West; Behavior: Slow travel | |
| | | 12:37:00 PDT | Blow | |
| | | 19:37-GMT | Position: 115° / 1922 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 12:44:00 PDT | Blow | |
| | | 19:44-GMT | Position: 132° / 1331 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 12:49:00 PDT | Blow | |
| | | 19:49-GMT | Position: 158° / 735 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 12:54:00 PDT | Blow | |
| | | 19:54-GMT | Position: 210° / 600 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 13:03:00 PDT | Blow | Inside |
| | | 20:03-GMT | Position: 261° / 1331 m Direction: West; Behavior: Slow travel • Fluke | |
| Sighting Number | 14 | Poor - 1 | Total 2 — 0 Calves at sighting | |
| | | 15:03:00 PDT | ni / Blow | |
| | | 22:03-GMT | Position: 168° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 13:09:00 PDT | Blow | |
| | | 20:09-GMT | Position: 178° / 2260 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 15:14:00 PDT | Blow | |
| | | 22:14-GMT | Position: 190° / 2749 m Direction: West; Behavior: Slow travel | |
| | | 15:18:00 PDT | Blow | |
| | | 22:18-GMT | Position: 199° / 2749 m Direction: West; Behavior: Slow travel | |
| | | 15:20:00 PDT | Blow | |
| | | 22:20-GMT | Position: 203° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 15:26:00 PDT | Blow | |
| | | 22:26-GMT | Position: 223° / 2260 m Direction: West; Behavior: Slow travel | |
| | | 15:28:00 PDT | Blow | |
| | | 22:28-GMT | Position: 228° / 2260 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 15:33:00 PDT | Blow | Inside |
| | | 22:33-GMT | Position: 236° / 2260 m Direction: West; Behavior: Slow travel • Fluke | |
| Mar 17 | Total 1 | Calves 0 | Gray whale (northbound) | |
| | Day 35 of 98 | | | |
| Sighting Number | 09 | Fair - 2 | Total 1 — 0 Calves at sighting | |
| | | 16:10:00 PDT | ni / Blow | Inside |
| | | 23:10-GMT | Position: 147° / 600 m Direction: West; Behavior: Slow travel | |
| Mar 18 | Total 10 | Calves 0 | Gray whale (northbound) | |
| | Day 36 of 98 | | | |
| Sighting Number | 01 | Poor - 1 | Total 4 — 0 Calves at sighting | |
| | | 9:06:00 PDT | — / Blow | |
| | | 16:06-GMT | Position: 181° / 2749 m Direction: West; Behavior: Slow travel | |
| | | <i>1 + 3 leading by about 200 m</i> | | |
| | | 9:08:00 PDT | Blow | |
| | | 16:08-GMT | Position: 182° / 2749 m Direction: West; Behavior: Slow travel • Breach • Fluke | |
| | | 9:11:00 PDT | Body | |
| | | 16:11-GMT | Position: 189° / 2260 m Direction: West; Behavior: Slow travel • Breach • Fluke | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|-----------------|---------------------------|--|--------------------------------|
| | 9:15:00 PDT 16:15-GMT | Blow Position: 192° / 2749 m Direction: West; Behavior: Slow travel | |
| | 9:18:00 PDT 16:18-GMT | Body Position: 202° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| | 9:25:00 PDT 16:25-GMT | Blow Position: 219° / 2749 m Direction: West; Behavior: Slow travel • Fluke | Inside |
| Sighting Number | 06 | Poor - 1 | Total 1 — 0 Calves at sighting |
| | 9:56:00 PDT 16:56-GMT | — / Body Position: 150° / 471 m Direction: West; Behavior: Slow travel • Fluke | |
| | 10:00:00 PDT 17:00-GMT | Blow Position: 204° / 440 m Direction: West; Behavior: Slow travel • Fluke | |
| | 10:04:00 PDT 17:04-GMT | Body Position: 243° / 508 m Direction: West; Behavior: Slow travel • Fluke | Inside |
| Sighting Number | 08 | Poor - 1 | Total 1 — 0 Calves at sighting |
| | 10:14:00 PDT 17:14-GMT | — / Blow Position: 145° / 2260 m Direction: West; Behavior: Slow travel • Fluke | |
| | 10:24:00 PDT 17:24-GMT | Blow Position: 169° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| | 10:35:00 PDT 17:35-GMT | Blow Position: 204° / 2260 m Direction: West; Behavior: Slow travel | |
| | 10:45:00 PDT 17:45-GMT | Blow Position: 230° / 2749 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 13 | Fair - 1 | Total 1 — 0 Calves at sighting |
| | 11:50:00 PDT 18:50-GMT | ni / Blow Position: 168° / 3528 m Direction: West; Behavior: Slow travel | |
| | 11:56:00 PDT 18:56-GMT | Blow Position: 178° / 3528 m Direction: West; Behavior: Slow travel | |
| | 12:02:00 PDT 19:02-GMT | Blow Position: 187° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| | 12:08:00 PDT 19:08-GMT | Blow Position: 198° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| | 12:16:00 PDT 19:16-GMT | Blow Position: 211° / 3088 m Direction: West; Behavior: Slow travel | |
| | 12:25:00 PDT 19:25-GMT | Blow Position: 223° / 3088 m Direction: West; Behavior: Slow travel | nd |
| Sighting Number | 16 | Poor - 1 | Total 2 — 0 Calves at sighting |
| | 13:29:00 PDT 20:29-GMT | ni / Breach Position: 198° / 2749 m Direction: West; Behavior: Slow travel • Breach | |
| | 13:33:00 PDT 20:33-GMT | Blow Position: 203° / 3088 m Direction: West; Behavior: Slow travel | |
| | 13:38:00 PDT 20:38-GMT | Blow Position: 210° / 3088 m Direction: West; Behavior: Slow travel | |
| | 13:42:00 PDT 20:42-GMT | Blow Position: 214° / 3088 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|---------------------------------|---------------------------|---|--------------------------------|
| | 13:45:00 PDT 20:45-GMT | Blow Position: 217° / 3088 m Direction: West; Behavior: Slow travel | |
| | 13:48:00 PDT 20:48-GMT | Blow Position: 220° / 3088 m Direction: West; Behavior: Slow travel | |
| | 14:06:00 PDT 21:06-GMT | Blow Position: 240° / 3088 m Direction: West; Behavior: Slow travel | Outside |
| Sighting Number | 20 | Poor - 1 | Total 1 — 0 Calves at sighting |
| | 14:43:00 PDT 21:43-GMT | ni / Body Position: 155° / 574 m Direction: West; Behavior: Slow travel | |
| | 14:46:00 PDT 21:46-GMT | Blow Position: 180° / 447 m Direction: West; Behavior: Slow travel | |
| | 14:50:00 PDT 21:50-GMT | Blow Position: 224° / 574 m Direction: West; Behavior: Slow travel | Inside |
| Mar 19 Total 10 Calves 0 | | | |
| Day 37 of 98 | | | |
| Gray whale (northbound) | | | |
| Sighting Number | 07 | Poor - 3 | Total 1 — 0 Calves at sighting |
| | 10:30:00 PDT 17:30-GMT | — / Blow Position: 178° / 3528 m Direction: West; Behavior: Slow travel | |
| | | <i>4 breaches</i> | |
| | 10:31:00 PDT 17:31-GMT | Blow Position: 180° / 3528 m Direction: West; Behavior: Slow travel • Breach | |
| | 10:32:00 PDT 17:32-GMT | Breach Position: 183° / 3528 m Direction: West; Behavior: Slow travel • Breach | |
| | 10:34:00 PDT 17:34-GMT | Blow Position: 184° / 3528 m Direction: West; Behavior: Slow travel | |
| | 10:37:00 PDT 17:37-GMT | Blow Position: 188° / 3088 m Direction: West; Behavior: Slow travel | |
| | 10:53:00 PDT 17:53-GMT | Blow Position: 214° / 3088 m Direction: West; Behavior: Slow travel | Outside |
| Sighting Number | 20 | Poor - 1 | Total 3 — 0 Calves at sighting |
| | 14:36:00 PDT 21:36-GMT | — / Blow Position: 109° / 3088 m Direction: West; Behavior: Slow travel | |
| | 14:57:00 PDT 21:57-GMT | Blow Position: 203° / 2749 m Direction: West; Behavior: Slow travel | |
| | 15:06:00 PDT 22:06-GMT | Blow Position: 221° / 2749 m Direction: West; Behavior: Slow travel | |
| | 15:08:00 PDT 22:08-GMT | Blow Position: 226° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| | 15:49:00 PDT 22:49-GMT | Blow Position: 262° / 3528 m Direction: West; Behavior: Slow travel | ni |
| Sighting Number | 21 | Poor - 1 | Total 1 — 0 Calves at sighting |
| | 14:53:00 PDT 21:53-GMT | — / Blow Position: 139° / 1483 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|-------------------|---------------------------|---|---------------------------------------|
| | 15:01:00 PDT 22:01-GMT | Blow Position: 164° / 778 m Direction: West; Behavior: Slow travel | ni |
| Sighting Number | 24 | Poor - 1 | Total 2 — 0 Calves at sighting |
| | 15:28:00 PDT 22:28-GMT | ni / Blow Position: 146° / 1106 m Direction: West; Behavior: Slow travel • Fluke | |
| | 15:36:00 PDT 22:36-GMT | Blow Position: 189° / 600 m Direction: West; Behavior: Slow travel • Fluke | |
| | 15:41:00 PDT 22:41-GMT | Blow Position: 236° / 678 m Direction: West; Behavior: Slow travel | |
| | 15:45:00 PDT 22:45-GMT | Blow Position: 256° / 778 m Direction: West; Behavior: Slow travel | |
| | 15:51:00 PDT 22:51-GMT | Blow Position: 267° / 1922 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 26 | Poor - 1 | Total 3 — 0 Calves at sighting |
| Images: 1584-1599 | 15:51:00 PDT 22:51-GMT | — / Blow Position: 116° / 2260 m Direction: West; Behavior: Slow travel • Fluke <i>1 + 2 (one in lead until past us, then together)</i> | |
| | 15:53:00 PDT 22:53-GMT | Blow Position: 114° / 2260 m Direction: West; Behavior: Slow travel | |
| | 15:57:00 PDT 22:57-GMT | Body Position: 120° / 1674 m Direction: West; Behavior: Slow travel • Rolling | |
| | 16:02:00 PDT 23:02-GMT | Blow Position: 131° / 1208 m Direction: West; Behavior: Slow travel | |
| | 16:05:00 PDT 23:05-GMT | Blow Position: 138° / 946 m Direction: West; Behavior: Slow travel • Fluke | |
| | 16:07:00 PDT 23:07-GMT | Blow Position: 153° / 883 m Direction: West; Behavior: Slow travel | |
| | 16:08:00 PDT 23:08-GMT | Blow Position: 154° / 778 m Direction: West; Behavior: Slow travel | |
| | 16:09:00 PDT 23:09-GMT | Blow Position: 159° / 778 m Direction: West; Behavior: Slow travel • Fluke | |
| | 16:17:00 PDT 23:17-GMT | Blow Position: 222° / 913 m Direction: West; Behavior: Slow travel | |
| | 16:24:00 PDT 23:24-GMT | Blow Position: 234° / 778 m Direction: West; Behavior: Slow travel | |
| | 16:30:00 PDT 23:30-GMT | Blow Position: 262° / 1331 m Direction: West; Behavior: Slow travel • Fluke | Inside |

Mar 20 Total 16 Calves 0 Gray whale (northbound)

Day 38 of 98

| | | | |
|-----------------|--------------------------|---|---------------------------------------|
| Sighting Number | 01 | Poor - 0 | Total 2 — 0 Calves at sighting |
| | 8:54:00 PDT 15:54-GMT | ni / Breach Position: 171° / 550 m Direction: West; Behavior: Slow travel • Breach • Fluke | |
| | 8:55:00 PDT 15:55-GMT | Body Position: 193° / 528 m Direction: West; Behavior: Slow travel • Fluke | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|-------------------|---------------------------|--|--------------------------------|
| | 8:59:00 PDT 15:59-GMT | Body Position: 290° / 946 m Direction: West; Behavior: Slow travel • Fluke | |
| | 9:04:00 PDT 16:04-GMT | Blow Position: 254° / 1331 m Direction: West; Behavior: Slow travel • Fluke | Inside |
| Sighting Number | 04 | Poor - 0 | Total 2 — 0 Calves at sighting |
| | 9:16:00 PDT 16:16-GMT | ni / Blow Position: 142° / 1674 m Direction: West; Behavior: Slow travel | |
| | 9:23:00 PDT 16:23-GMT | Body Position: 165° / 1331 m Direction: West; Behavior: Slow travel | |
| | 9:31:00 PDT 16:31-GMT | Body Position: 185° / 2260 m Direction: West; Behavior: Slow travel | ni |
| Sighting Number | 05 | Poor - 0 | Total 1 — 0 Calves at sighting |
| | 9:18:00 PDT 16:18-GMT | ni / Body Position: 174° / 735 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 07 | Poor - 0 | Total 2 — 0 Calves at sighting |
| | 9:40:00 PDT 16:40-GMT | ni / Blow Position: 213° / 489 m Direction: West; Behavior: Slow travel | |
| | 9:44:00 PDT 16:44-GMT | Blow Position: 251° / 735 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 09 | Poor - 0 | Total 3 — 0 Calves at sighting |
| Images: 1602-1703 | 9:51:00 PDT 16:51-GMT | ni / Blow Position: 121° / 1483 m Direction: West; Behavior: Slow travel • Fluke <i>Sharking</i> | |
| | 9:56:00 PDT 16:56-GMT | Blow Position: 126° / 1331 m Direction: West; Behavior: Slow travel • Fluke | |
| | 10:01:00 PDT 17:01-GMT | Blow Position: 135° / 574 m Direction: West; Behavior: Slow travel • Rolling • Fluke <i>Sharking</i> | |
| | 10:07:00 PDT 17:07-GMT | Blow Position: 144° / 1020 m Direction: West; Behavior: Slow travel • Spyhop • Rolling <i>Sharking</i> | |
| | 10:10:00 PDT 17:10-GMT | Blow Position: 146° / 629 m Direction: West; Behavior: Slow travel • Spyhop • Rolling <i>Sharking</i> | |
| | 10:16:00 PDT 17:16-GMT | Blow Position: 152° / 574 m Direction: West; Behavior: Slow travel • Fluke | |
| | 10:19:00 PDT 17:19-GMT | Blow Position: 182° / 574 m Direction: West; Behavior: Slow travel • Rolling | |
| | 10:23:00 PDT 17:23-GMT | Blow Position: 191° / 629 m Direction: West; Behavior: Slow travel • Fluke | |
| | 10:25:00 PDT 17:25-GMT | Blow Position: 208° / 778 m Direction: West; Behavior: Slow travel | |
| | 10:27:00 PDT 17:27-GMT | Blow Position: 221° / 827 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|---------------------------|--|---|------------------|
| | 10:36:00 PDT 17:36-GMT | Blow Position: 255° / 1674 m Direction: West; Behavior: Slow travel • Fluke | Inside |
| Sighting Number 14 | Fair - 1 | Total 1 — 0 Calves at sighting | |
| Images: 1709-1717 | 11:05:00 PDT 18:05-GMT <i>Juvenile</i> | ni / Blow Position: 117° / 1331 m Direction: West; Behavior: Slow travel | |
| | 11:14:00 PDT 18:14-GMT | Blow Position: 153° / 678 m Direction: West; Behavior: Slow travel | |
| | 11:24:00 PDT 18:24-GMT | Body Position: 247° / 946 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number 16 | Fair - 2 | Total 1 — 0 Calves at sighting | |
| | 11:50:00 PDT 18:50-GMT | ni / Body Position: 165° / m Direction: West; Behavior: Slow travel • Spyhop | |
| | 11:51:00 PDT 18:51-GMT | Blow Position: 176° / 471 m Direction: West; Behavior: Slow travel | |
| | 11:53:00 PDT 18:53-GMT | Blow Position: 200° / 471 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number 20 | Fair - 2 | Total 4 — 0 Calves at sighting | |
| | 13:21:00 PDT 20:21-GMT | — / Blow Position: 116° / 3528 m Direction: West; Behavior: Slow travel | |
| | 13:27:00 PDT 20:27-GMT | Blow Position: 119° / 3528 m Direction: West; Behavior: Slow travel | |
| | 13:44:00 PDT 20:44-GMT | Blow Position: 130° / 2749 m Direction: West; Behavior: Slow travel | |
| | 13:47:00 PDT 20:47-GMT | Blow Position: 133° / 2749 m Direction: West; Behavior: Slow travel | |
| | 13:58:00 PDT 20:58-GMT | Blow Position: 144° / 2260 m Direction: West; Behavior: Slow travel | |
| | 14:01:00 PDT 21:01-GMT | Body Position: 148° / 2260 m Direction: West; Behavior: Slow travel | |
| | 14:03:00 PDT 21:03-GMT | Blow Position: 151° / 2260 m Direction: West; Behavior: Slow travel | |
| | 14:05:00 PDT 21:05-GMT | Body Position: 154° / 2260 m Direction: West; Behavior: Slow travel | |
| | 14:07:00 PDT 21:07-GMT | Body Position: 157° / 2260 m Direction: West; Behavior: Slow travel | |
| | 14:09:00 PDT 21:09-GMT | Blow Position: 162° / 1922 m Direction: West; Behavior: Slow travel | |
| | 14:15:00 PDT 21:15-GMT | Body Position: 176° / 1922 m Direction: West; Behavior: Slow travel | |
| | 14:21:00 PDT 21:21-GMT | Blow Position: 187° / 1922 m Direction: West; Behavior: Slow travel | |
| | 14:26:00 PDT 21:26-GMT | Blow Position: 199° / 2260 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | Time | CueTip / Saw | Route Past Holly |
|-----------------|-------------------|---------------------------|--|------------------|
| | | 14:30:00 PDT | Blow | |
| | | 21:30-GMT | Position: 207° / 2260 m Direction: West; Behavior: Slow travel | |
| | | 14:35:00 PDT | Blow | |
| | | 21:35-GMT | Position: 216° / 2260 m Direction: West; Behavior: Slow travel | |
| | | 14:43:00 PDT | Blow | Inside |
| | | 21:43-GMT | Position: 230° / 2260 m Direction: West; Behavior: Slow travel | |
| <hr/> | | | | |
| Mar 21 | Total 10 Calves 0 | Gray whale (northbound) | | |
| Day 39 of 98 | | | | |
| Sighting Number | 03 | Fair - 3 | Total 3 — 0 Calves at sighting | |
| | | 10:03:00 PDT | — / Blow | |
| | | 17:03-GMT | Position: 136° / 3088 m Direction: West; Behavior: Slow travel | |
| | | 10:13:00 PDT | Blow | |
| | | 17:13-GMT | Position: 138° / 3088 m Direction: West; Behavior: Slow travel | |
| | | 10:23:00 PDT | Blow | |
| | | 17:23-GMT | Position: 149° / 3088 m Direction: West; Behavior: Slow travel | |
| | | 10:29:00 PDT | Blow | Outside |
| | | 17:29-GMT | Position: 156° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| | | <i>Joined group #4</i> | | |
| Sighting Number | 04 | Fair - 3 | Total 2 — 0 Calves at sighting | |
| | | 10:09:00 PDT | — / Blow | |
| | | 17:09-GMT | Position: 140° / 3088 m Direction: West; Behavior: Slow travel | |
| | | 10:14:00 PDT | Blow | |
| | | 17:14-GMT | Position: 144° / 2749 m Direction: West; Behavior: Slow travel | |
| | | 10:24:00 PDT | Blow | |
| | | 17:24-GMT | Position: 151° / 3088 m Direction: West; Behavior: Slow travel | |
| | | 10:29:00 PDT | Blow | |
| | | 17:29-GMT | Position: 156° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 10:33:00 PDT | Blow | |
| | | 17:33-GMT | Position: 163° / 3088 m Direction: West; Behavior: Slow travel | |
| | | 10:39:00 PDT | Blow | |
| | | 17:39-GMT | Position: 177° / 2749 m Direction: West; Behavior: Slow travel | |
| | | 10:43:00 PDT | Blow | |
| | | 17:43-GMT | Position: 189° / 2749 m Direction: West; Behavior: Slow travel | |
| | | 10:51:00 PDT | Blow | |
| | | 17:51-GMT | Position: 207° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 10:58:00 PDT | Blow | Outside |
| | | 17:58-GMT | Position: 221° / 2749 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 10 | Fair - 3 | Total 1 — 0 Calves at sighting | |
| | | 11:51:00 PDT | Passerby / Blow | Inside |
| | | 18:51-GMT | Position: 239° / 946 m Direction: West; Behavior: Slow travel | |
| | | <i>A - Kevin Sullivan</i> | | |
| Sighting Number | 12 | Fair - 3 | Total 2 — 0 Calves at sighting | |
| | | 12:30:00 PDT | — / Blow | |
| | | 19:30-GMT | Position: 118° / 1922 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | Cue/Tip / Saw | Route Past Holly |
|-----------------|---------------------------|---|--------------------------------|
| | 13:00:00 PDT 20:00-GMT | Blow Position: 132° / 661 m Direction: West; Behavior: Slow travel | |
| | 13:05:00 PDT 20:05-GMT | Blow Position: 137° / 489 m Direction: West; Behavior: Slow travel | |
| | 13:07:00 PDT 20:07-GMT | Blow Position: 182° / 539 m Direction: West; Behavior: Slow travel | |
| | 13:09:00 PDT 20:09-GMT | Blow Position: 199° / 528 m Direction: West; Behavior: Slow travel | |
| | 13:09:00 PDT 20:09-GMT | Blow Position: 214° / 539 m Direction: West; Behavior: Slow travel | |
| | 13:09:00 PDT 20:09-GMT | Blow Position: 221° / 528 m Direction: West; Behavior: Slow travel | |
| | 13:14:00 PDT 20:14-GMT | Blow Position: 258° / 883 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 15 | Fair - 4 | Total 2 — 0 Calves at sighting |
| | 13:44:00 PDT 20:44-GMT | — / Blow Position: 103° / 2749 m Direction: West; Behavior: Slow travel | |
| | 13:49:00 PDT 20:49-GMT | Blow Position: 104° / 2749 m Direction: West; Behavior: Slow travel | |
| | 13:52:00 PDT 20:52-GMT | Blow Position: 105° / 2749 m Direction: West; Behavior: Slow travel | |
| | 13:56:00 PDT 20:56-GMT | Blow Position: 106° / 2260 m Direction: West; Behavior: Slow travel | |
| | 13:58:00 PDT 20:58-GMT | Blow Position: 110° / 1922 m Direction: West; Behavior: Slow travel | |
| | 13:59:00 PDT 20:59-GMT | Blow Position: 110° / 1922 m Direction: West; Behavior: Slow travel | |
| | 14:02:00 PDT 21:02-GMT | Blow Position: 111° / 1483 m Direction: West; Behavior: Slow travel | |
| | 14:03:00 PDT 21:03-GMT | Body Position: 112° / 1331 m Direction: West; Behavior: Slow travel | |
| | 14:05:00 PDT 21:05-GMT | Blow Position: 113° / 1106 m Direction: West; Behavior: Slow travel | |
| | 14:08:00 PDT 21:08-GMT | Blow Position: 120° / 827 m Direction: West; Behavior: Slow travel | |
| | 14:10:00 PDT 21:10-GMT | Blow Position: 127° / 661 m Direction: West; Behavior: Slow travel | |
| | 14:12:00 PDT 21:12-GMT | Blow Position: 147° / 600 m Direction: West; Behavior: Slow travel | |
| | 14:15:00 PDT 21:15-GMT | Blow Position: 166° / 600 m Direction: West; Behavior: Slow travel • Rolling | nd |

Mar 23 Total 23 Calves 0
Day 41 of 98

Gray whale (northbound)

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|-----------------|------------------|--|--------------------------------|
| Sighting Number | 02 | Fair - 3 | Total 1 — 0 Calves at sighting |
| | 9:12:00 PDT | — / Blow | |
| | 16:12-GMT | Position: 166° / 550 m Direction: West; Behavior: Slow travel | |
| | | <i>Very choppy</i> | |
| | 9:14:00 PDT | Blow | Inside |
| | 16:14-GMT | Position: 201° / 550 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 05 | Fair - 3 | Total 1 — 0 Calves at sighting |
| | 10:02:00 PDT | SD / Body | Inside |
| | 17:02-GMT | Position: 242° / 400 m Direction: West; Behavior: Slow travel | |
| | | <i>In kelp</i> | |
| Sighting Number | 08 | Fair - 2 | Total 4 — 0 Calves at sighting |
| | 10:26:00 PDT | — / Blow | |
| | 17:26-GMT | Position: 144° / 3528 m Direction: West; Behavior: Slow travel | |
| | 10:34:00 PDT | Blow | |
| | 17:34-GMT | Position: 160° / 3088 m Direction: West; Behavior: Slow travel | |
| | 10:44:00 PDT | Blow | |
| | 17:44-GMT | Position: 163° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| | 10:53:00 PDT | Blow | |
| | 17:53-GMT | Position: 184° / 3088 m Direction: West; Behavior: Slow travel | |
| | 11:03:00 PDT | Blow | nd |
| | 18:03-GMT | Position: 222° / 3088 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 10 | Fair - 2 | Total 2 — 0 Calves at sighting |
| | 11:19:00 PDT | Phone / Blow | |
| | 18:19-GMT | Position: 107° / 3088 m Direction: West; Behavior: Slow travel | |
| | 11:22:00 PDT | Blow | |
| | 18:22-GMT | Position: 112° / 3088 m Direction: West; Behavior: Slow travel | |
| | 11:25:00 PDT | Blow | |
| | 18:25-GMT | Position: 113° / 1674 m Direction: West; Behavior: Slow travel | |
| | 11:29:00 PDT | Blow | |
| | 18:29-GMT | Position: 120° / 1483 m Direction: West; Behavior: Slow travel | |
| | 11:34:00 PDT | Blow | |
| | 18:34-GMT | Position: 138° / 1208 m Direction: West; Behavior: Slow travel | |
| | 11:35:00 PDT | Blow | |
| | 18:35-GMT | Position: 149° / 913 m Direction: West; Behavior: Slow travel | |
| | 11:40:00 PDT | Blow | Inside |
| | 18:40-GMT | Position: 202° / 539 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 12 | Fair - 1 | Total 1 — 0 Calves at sighting |
| | 11:57:00 PDT | — / Blow | |
| | 18:57-GMT | Position: 120° / 1483 m Direction: West; Behavior: Slow travel | |
| | 12:00:00 PDT | Blow | |
| | 19:00-GMT | Position: 131° / 1483 m Direction: West; Behavior: Slow travel | |
| | 12:06:00 PDT | Blow | Inside |
| | 19:06-GMT | Position: 172° / 539 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|---------------------------|---------------------------|---|------------------|
| Sighting Number 14 | Fair - 1 | Total 1 — 0 Calves at sighting | |
| | 12:42:00 PDT 19:42-GMT | — / Blow Position: 142° / 3088 m Direction: West; Behavior: Slow travel | |
| | 13:00:00 PDT 20:00-GMT | Body Position: 162° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| | 13:09:00 PDT 20:09-GMT | Blow Position: 184° / 2260 m Direction: West; Behavior: Slow travel • Fluke | |
| | 13:30:00 PDT 20:30-GMT | Body Position: 244° / 2749 m Direction: West; Behavior: Slow travel • Fluke | Inside |
| Sighting Number 15 | Fair - 1 | Total 2 — 0 Calves at sighting | |
| Images: 1751-66 | 14:10:00 PDT 21:10-GMT | — / Blow Position: 120° / 1106 m Direction: West; Behavior: Slow travel | |
| | 14:15:00 PDT 21:15-GMT | Blow Position: 134° / 661 m Direction: West; Behavior: Slow travel | |
| | 14:18:00 PDT 21:18-GMT | Blow Position: 165° / 528 m Direction: West; Behavior: Slow travel | |
| | 14:20:00 PDT 21:20-GMT | Blow Position: 190° / 447 m Direction: West; Behavior: Slow travel | |
| | 14:23:00 PDT 21:23-GMT | Blow Position: 215° / 678 m Direction: West; Behavior: Slow travel | |
| | 14:24:00 PDT 21:24-GMT | Blow Position: 237° / 539 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number 17 | Fair - 1 | Total 5 — 0 Calves at sighting | |
| | 14:29:00 PDT 21:29-GMT | ni / Body Position: 136° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| | 14:34:00 PDT 21:34-GMT | Blow Position: 141° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| | 14:40:00 PDT 21:40-GMT | Blow Position: 149° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| | 14:48:00 PDT 21:48-GMT | Blow Position: 162° / 2749 m Direction: West; Behavior: Slow travel | |
| | 14:49:00 PDT 21:49-GMT | Blow Position: 168° / 2749 m Direction: West; Behavior: Slow travel | |
| | 14:54:00 PDT 21:54-GMT | Blow Position: 185° / 2260 m Direction: West; Behavior: Slow travel • Rolling • Fluke <i>Sharking</i> | |
| | 14:59:00 PDT 21:59-GMT | Blow Position: 203° / 2260 m Direction: West; Behavior: Slow travel • Fluke | |
| | 15:04:00 PDT 22:04-GMT | Blow Position: 221° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| | 15:08:00 PDT 22:08-GMT | Blow Position: 234° / 2260 m Direction: West; Behavior: Slow travel • Fluke | |
| | 15:13:00 PDT 22:13-GMT | Blow Position: 246° / 3088 m Direction: West; Behavior: Slow travel • Fluke | Inside |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|-----------------|-------------------|---|--------------------------------|
| Sighting Number | 18 | Fair - 1 | Total 1 — 0 Calves at sighting |
| | 14:44:00 PDT | ni / Blow | |
| | 21:44-GMT | Position: 163° / 1331 m Direction: West; Behavior: Slow travel • Fluke | |
| | 14:53:00 PDT | Blow | |
| | 21:53-GMT | Position: 214° / 1020 m Direction: West; Behavior: Slow travel • Fluke | |
| | 14:59:00 PDT | Blow | Inside |
| | 21:59-GMT | Position: 249° / 1483 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 21 | Fair - 1 | Total 4 — 0 Calves at sighting |
| | 15:09:00 PDT | ni / Blow | |
| | 22:09-GMT | Position: 165° / 2260 m Direction: West; Behavior: Slow travel • Breach • Fluke | |
| | 15:12:00 PDT | Blow | |
| | 22:12-GMT | Position: 174° / 1922 m Direction: West; Behavior: Slow travel | |
| | 15:14:00 PDT | Body | |
| | 22:14-GMT | Position: 184° / 1922 m Direction: West; Behavior: Slow travel | |
| | 15:16:00 PDT | Blow | |
| | 22:16-GMT | Position: 189° / 1922 m Direction: West; Behavior: Slow travel | |
| | 15:19:00 PDT | Blow | |
| | 22:19-GMT | Position: 196° / 1922 m Direction: West; Behavior: Slow travel | |
| | 15:22:00 PDT | Blow | |
| | 22:22-GMT | Position: 205° / 1922 m Direction: West; Behavior: Slow travel | |
| | 15:24:00 PDT | Blow | |
| | 22:24-GMT | Position: 213° / 1922 m Direction: West; Behavior: Slow travel • Fluke | |
| | 15:29:00 PDT | Blow | |
| | 22:29-GMT | Position: 228° / 1922 m Direction: West; Behavior: Slow travel | |
| | | <i>Sharking</i> | |
| | 15:32:00 PDT | Blow | Inside |
| | 22:32-GMT | Position: 234° / 2260 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 30 | Fair - 1 | Total 1 — 0 Calves at sighting |
| | 16:59:00 PDT | — / Blow | nd |
| | 23:59-GMT | Position: 154° / 1106 m Direction: West; Behavior: Slow travel | |
| | | <i>This whale was first seen beyond Campus Point @ 1630</i> | |
| Mar 24 | Total 20 Calves 1 | Gray whale (northbound) | |
| Day 42 of 98 | | | |
| Sighting Number | 02 | Fair - 1 | Total 3 — 0 Calves at sighting |
| | 9:22:00 PDT | — / Blow | |
| | 16:22-GMT | Position: 261° / 3528 m Direction: West; Behavior: Slow travel | |
| | 9:34:00 PDT | Blow | nd |
| | 16:34-GMT | Position: 265° / 3528 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 03 | Fair - 1 | Total 2 — 0 Calves at sighting |
| | 9:30:00 PDT | — / Blow | |
| | 16:30-GMT | Position: 148° / 946 m Direction: West; Behavior: Slow travel | |
| | 9:38:00 PDT | Blow | Inside |
| | 16:38-GMT | Position: 229° / 883 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|-----------------|---|--|--------------------------------|
| Sighting Number | 05 | Fair - 1 | Total 1 — 0 Calves at sighting |
| | 9:56:00 PDT | — / Blow | |
| | 16:56-GMT | Position: 187° / 3088 m Direction: West; Behavior: Slow travel | |
| | 9:59:00 PDT | Blow | |
| | 16:59-GMT | Position: 195° / 3088 m Direction: West; Behavior: Slow travel | |
| | 10:03:00 PDT | Blow | nd |
| | 17:03-GMT | Position: 203° / 2749 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 08 | Fair - 1 | Total 2 — 1 Calf at sighting |
| Images: 1769-79 | 11:00:00 PDT | — / Blow | |
| | 18:00-GMT | Position: 115° / 1106 m Direction: West; Behavior: Slow travel | |
| | <i>Images well after incident - images of vessel #9, not of Er, first saw outside IV kelp - both surfaced @ 1106 - mom @ 1108 - calf @ 1111 (after boat ran over top) - did not see again - calm seas</i> | | |
| | 11:06:00 PDT | Blow | |
| | 18:06-GMT | Position: 144° / 528 m Direction: West; Behavior: Slow travel | |
| | 11:08:00 PDT | Blow | |
| | 18:08-GMT | Position: 150° / 471 m Direction: West; Behavior: Slow travel | |
| | 11:11:00 PDT | Blow | Inside |
| | 18:11-GMT | Position: 190° / 388 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 10 | | |
| | 11:44:00 PDT | Blow | |
| | 18:44-GMT | Position: 110° / 2260 m Direction: West; Behavior: Slow travel • Fluke | |
| | 11:50:00 PDT | Blow | |
| | 18:50-GMT | Position: 114° / 1674 m Direction: West; Behavior: Slow travel • Fluke | |
| | 11:55:00 PDT | Blow | |
| | 18:55-GMT | Position: 123° / 1106 m Direction: West; Behavior: Slow travel • Fluke | |
| | 12:04:00 PDT | Blow | |
| | 19:04-GMT | Position: 210° / 539 m Direction: West; Behavior: Slow travel • Fluke | |
| | 12:10:00 PDT | Blow | Inside |
| | 19:10-GMT | Position: 253° / 913 m Direction: West; Behavior: Slow travel | |
| | 11:39:00 PDT | — / Blow | |
| | 18:39-GMT | Position: 107° / 2260 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 14 | | |
| | 12:33:00 PDT | Blow | |
| | 19:33-GMT | Position: 206° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| | 12:36:00 PDT | Blow | |
| | 19:36-GMT | Position: 212° / 3088 m Direction: West; Behavior: Slow travel | |
| | 12:37:00 PDT | Blow | |
| | 19:37-GMT | Position: 214° / 3088 m Direction: West; Behavior: Slow travel | |
| | 12:39:00 PDT | Blow | |
| | 19:39-GMT | Position: 217° / 3088 m Direction: West; Behavior: Slow travel | |
| | 12:45:00 PDT | Blow | |
| | 19:45-GMT | Position: 223° / 3088 m Direction: West; Behavior: Slow travel | |
| | 12:48:00 PDT | Blow | |
| | 19:48-GMT | Position: 230° / 3528 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|-----------------|------------------|--|---------------------------------------|
| | 12:49:00 PDT | Blow | Outside |
| | 19:49-GMT | Position: 233° / 3528 m Direction: West; Behavior: Slow travel | |
| | 12:31:00 PDT | — / Blow | |
| | 19:31-GMT | Position: 202° / 2749 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 15 | Fair - 1 | Total 1 — 0 Calves at sighting |
| | 13:14:00 PDT | — / Body | |
| | 20:14-GMT | Position: 192° / 2260 m Direction: West; Behavior: Slow travel | |
| | 13:17:00 PDT | Body | |
| | 20:17-GMT | Position: 202° / 1922 m Direction: West; Behavior: Slow travel | |
| | 13:24:00 PDT | Blow | Outside |
| | 20:24-GMT | Position: 229° / 2260 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 17 | Fair - 3 | Total 1 — 0 Calves at sighting |
| | 13:40:00 PDT | ni / Blow | |
| | 20:40-GMT | Position: 112° / 2749 m Direction: West; Behavior: Slow travel | |
| | 13:45:00 PDT | Blow | |
| | 20:45-GMT | Position: 115° / 2260 m Direction: West; Behavior: Slow travel • Fluke | |
| | 13:50:00 PDT | Blow | |
| | 20:50-GMT | Position: 120° / 1922 m Direction: West; Behavior: Slow travel | |
| | 13:55:00 PDT | Blow | |
| | 20:55-GMT | Position: 133° / 1331 m Direction: West; Behavior: Slow travel | |
| | 14:02:00 PDT | Blow | |
| | 21:02-GMT | Position: 169° / 883 m Direction: West; Behavior: Slow travel | |
| | 14:09:00 PDT | Blow | Inside |
| | 21:09-GMT | Position: 234° / 913 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 23 | Fair - 3 | Total 1 — 0 Calves at sighting |
| | 14:59:00 PDT | ni / Blow | |
| | 21:59-GMT | Position: 112° / 2749 m Direction: West; Behavior: Slow travel | |
| | 15:06:00 PDT | Blow | |
| | 22:06-GMT | Position: 112° / 1922 m Direction: West; Behavior: Slow travel | |
| | 15:10:00 PDT | Body | |
| | 22:10-GMT | Position: 123° / 1483 m Direction: West; Behavior: Slow travel | |
| | 15:15:00 PDT | Blow | |
| | 22:15-GMT | Position: 137° / 1106 m Direction: West; Behavior: Slow travel | |
| | 15:21:00 PDT | Blow | |
| | 22:21-GMT | Position: 176° / 735 m Direction: West; Behavior: Slow travel | |
| | 15:25:00 PDT | Body | Inside |
| | 22:25-GMT | Position: 217° / 696 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 24 | Fair - 3 | Total 1 — 0 Calves at sighting |
| | 15:45:00 PDT | ni / Blow | |
| | 22:45-GMT | Position: 223° / 883 m Direction: West; Behavior: Slow travel | |
| | 16:01:00 PDT | Blow | Inside |
| | 23:01-GMT | Position: 265° / 1922 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|---------------------------|---------------------------|---|------------------|
| Sighting Number 29 | Fair - 2 | Total 3 — 0 Calves at sighting | |
| | 16:25:00 PDT 23:25-GMT | ni / Blow Position: 130° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| | 16:34:00 PDT 23:34-GMT | Blow Position: 143° / 2260 m Direction: West; Behavior: Slow travel | |
| | 16:40:00 PDT 23:40-GMT | Blow Position: 155° / 1922 m Direction: West; Behavior: Slow travel | |
| | 16:43:00 PDT 23:43-GMT | Body Position: 163° / 1674 m Direction: West; Behavior: Slow travel | |
| | 16:44:00 PDT 23:44-GMT | Body Position: 168° / 1483 m Direction: West; Behavior: Slow travel | |
| | 16:47:00 PDT 23:47-GMT | Blow Position: 179° / 1483 m Direction: West; Behavior: Slow travel | |
| | 16:49:00 PDT 23:49-GMT | Blow Position: 187° / 1483 m Direction: West; Behavior: Slow travel | |
| | 16:57:00 PDT 23:57-GMT | Blow Position: 238° / 1483 m Direction: West; Behavior: Slow travel | Inside |

Mar 25 Total 26 Calves 1
Day 43 of 98

Gray whale (northbound)

| | | | |
|---------------------------|---------------------------|---|--|
| Sighting Number 09 | Poor - 1 | Total 3 — 0 Calves at sighting | |
| | 10:54:00 PDT 17:54-GMT | — / Blow Position: 103° / 2749 m Direction: West; Behavior: Slow travel <i>2 juveniles and larger whale</i> | |
| | 10:56:00 PDT 17:56-GMT | Blow Position: 105° / 2749 m Direction: West; Behavior: Slow travel | |
| | 11:01:00 PDT 18:01-GMT | Blow Position: 108° / 2749 m Direction: West; Behavior: Slow travel | |
| | 11:03:00 PDT 18:03-GMT | Blow Position: 108° / 1922 m Direction: West; Behavior: Slow travel | |
| | 11:06:00 PDT 18:06-GMT | Blow Position: 110° / 1922 m Direction: West; Behavior: Slow travel | |
| | 11:14:00 PDT 18:14-GMT | Blow Position: 124° / 946 m Direction: West; Behavior: Slow travel | |
| | 11:18:00 PDT 18:18-GMT | Blow Position: 136° / 661 m Direction: West; Behavior: Slow travel | |
| | 11:19:00 PDT 18:19-GMT | Blow Position: 146° / 574 m Direction: West; Behavior: Slow travel | |
| | 11:21:00 PDT 18:21-GMT | Blow Position: 156° / 471 m Direction: West; Behavior: Slow travel | |
| | 11:26:00 PDT 18:26-GMT | Blow Position: 258° / 1106 m Direction: West; Behavior: Slow travel • Fluke | |
| | 11:36:00 PDT 18:36-GMT | Blow Position: 256° / 1020 m Direction: Circling; Behavior: No direction <i>Whales circling</i> | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|-----------------|---------------------------|--|--------------------------------|
| | 11:39:00 PDT 18:39-GMT | Body Position: 255° / 778 m Direction: Circling; Behavior: No direction | |
| | 11:42:00 PDT 18:42-GMT | Blow Position: 256° / 1106 m Direction: Circling; Behavior: No direction | |
| | 11:55:00 PDT 18:55-GMT | Blow Position: 245° / 946 m Direction: Circling; Behavior: No direction | |
| | 12:08:00 PDT 19:08-GMT | Blow Position: 189° / 550 m Direction: East; Behavior: Slow travel | |
| | 12:20:00 PDT 19:20-GMT | Blow Position: 226° / 946 m Direction: West; Behavior: Slow travel | |
| | 12:27:00 PDT 19:27-GMT | Blow Position: 254° / 1106 m Direction: East; Behavior: Slow travel | |
| | 12:29:00 PDT 19:29-GMT | Blow Position: 254° / 883 m Direction: East; Behavior: Slow travel | |
| | 12:50:00 PDT 19:50-GMT | Blow Position: 261° / 1483 m Direction: West; Behavior: Slow travel • Fluke | |
| | 13:49:00 PDT 20:49-GMT | Blow Position: 256° / 946 m Direction: East; Behavior: Slow travel | Inside |
| Sighting Number | 11 | Fair - 1 | Total 4 — 0 Calves at sighting |
| | 11:45:00 PDT 18:45-GMT | — / Blow Position: 143° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| | 11:47:00 PDT 18:47-GMT | Blow Position: 146° / 2749 m Direction: West; Behavior: Slow travel | |
| | 11:48:00 PDT 18:48-GMT | Blow Position: 150° / 2260 m Direction: West; Behavior: Slow travel | |
| | 11:52:00 PDT 18:52-GMT | Blow Position: 156° / 2260 m Direction: West; Behavior: Slow travel | |
| | 11:53:00 PDT 18:53-GMT | Blow Position: 161° / 1922 m Direction: West; Behavior: Slow travel • Fluke | |
| | 11:56:00 PDT 18:56-GMT | Blow Position: 168° / 1483 m Direction: West; Behavior: Slow travel | |
| | 11:57:00 PDT 18:57-GMT | Blow Position: 174° / 1483 m Direction: West; Behavior: Slow travel | |
| | 11:58:00 PDT 18:58-GMT | Blow Position: 182° / 1483 m Direction: West; Behavior: Slow travel • Fluke | |
| | 12:02:00 PDT 19:02-GMT | Blow Position: 198° / 1483 m Direction: West; Behavior: Slow travel | |
| | 12:03:00 PDT 19:03-GMT | Blow Position: 207° / 1483 m Direction: West; Behavior: Slow travel | |
| | 12:07:00 PDT 19:07-GMT | Blow Position: 229° / 1483 m Direction: West; Behavior: Slow travel | |
| | 12:11:00 PDT 19:11-GMT | Blow Position: 239° / 1483 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|-----------------|--------------------------|---|--------------------------------|
| | 12:12:00 PDT | Blow | Inside |
| | 19:12-GMT | Position: 244° / 1674 m Direction: West; Behavior: Slow travel • Fluke | |
| Sighting Number | 12 | Fair - 1 | Total 2 — 0 Calves at sighting |
| | 12:00:00 PDT | — / Blow | |
| | 19:00-GMT | Position: 194° / 3088 m Direction: West; Behavior: Slow travel | |
| | 12:02:00 PDT | Blow | |
| | 19:02-GMT | Position: 198° / 3088 m Direction: West; Behavior: Slow travel | |
| | 12:02:00 PDT | Blow | |
| | 19:02-GMT | Position: 199° / 3088 m Direction: West; Behavior: Slow travel | |
| | 12:05:00 PDT | Blow | |
| | 19:05-GMT | Position: 204° / 3088 m Direction: West; Behavior: Slow travel | |
| | 12:05:00 PDT | Blow | |
| | 19:05-GMT | Position: 205° / 3088 m Direction: West; Behavior: Slow travel | |
| | 12:10:00 PDT | Blow | |
| | 19:10-GMT | Position: 214° / 3088 m Direction: West; Behavior: Slow travel | |
| | 12:11:00 PDT | Blow | |
| | 19:11-GMT | Position: 216° / 3088 m Direction: West; Behavior: Slow travel | |
| | 12:17:00 PDT | Blow | |
| | 19:17-GMT | Position: 224° / 3528 m Direction: West; Behavior: Slow travel | |
| | 12:22:00 PDT | Blow | Outside |
| | 19:22-GMT | Position: 232° / 3528 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 17 | Fair - 1 | Total 1 — 0 Calves at sighting |
| | 13:39:00 PDT | — / Body | Inside |
| | 20:39-GMT | Position: 148° / 455 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 19 | Fair - 1 | Total 2 — 1 Calf at sighting |
| Images: none | 14:00:00 PDT | — / Blow | |
| | 21:00-GMT | Position: 111° / 1483 m Direction: West; Behavior: Slow travel | |
| | | <i>Calf surfaced alongside mother on second surface, then often blew after cow - 2 small blows in between 2 - traveled along Sands/Elwood</i> | |
| | 14:02:00 PDT | Blow | |
| | 21:02-GMT | Position: 112° / 1331 m Direction: West; Behavior: Slow travel | |
| | 14:06:00 PDT | Blow | |
| | 21:06-GMT | Position: 117° / 883 m Direction: West; Behavior: Slow travel | |
| | 14:10:00 PDT | Body | |
| | 21:10-GMT | Position: 128° / 600 m Direction: West; Behavior: Slow travel | |
| | 14:13:00 PDT | Blow | |
| | 21:13-GMT | Position: 154° / 600 m Direction: West; Behavior: Slow travel | |
| | 14:16:00 PDT | Blow | |
| | 21:16-GMT | Position: 167° / 550 m Direction: West; Behavior: Slow travel | |
| | 14:18:00 PDT | Blow | |
| | 21:18-GMT | Position: 187° / 550 m Direction: West; Behavior: Slow travel | |
| | 14:23:00 PDT | Blow | |
| | 21:23-GMT | Position: 244° / 600 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | Time | CueTip / Saw | Route Past Holly |
|-----------------|------------------|--------------|--|------------------|
| | | 14:27:00 PDT | Blow | Inside |
| | | 21:27-GMT | Position: 279° / 661 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 22 | Fair - 1 | Total 2 — 0 Calves at sighting | |
| | | 14:34:00 PDT | ni / Blow | |
| | | 21:34-GMT | Position: 164° / 1922 m Direction: West; Behavior: Slow travel | |
| | | | <i>1 following a leader</i> | |
| | | 14:36:00 PDT | Blow | |
| | | 21:36-GMT | Position: 174° / 1483 m Direction: West; Behavior: Slow travel | |
| | | 14:39:00 PDT | Blow | |
| | | 21:39-GMT | Position: 191° / 1403 m Direction: West; Behavior: Slow travel | |
| | | 14:43:00 PDT | Blow | |
| | | 21:43-GMT | Position: 218° / 1208 m Direction: West; Behavior: Slow travel | |
| | | 14:45:00 PDT | Blow | |
| | | 21:45-GMT | Position: 234° / 1403 m Direction: West; Behavior: Slow travel | |
| | | 14:46:00 PDT | Blow | Inside |
| | | 21:46-GMT | Position: 241° / 1208 m Direction: West; Behavior: Slow travel • Fluke | |
| Sighting Number | 23 | Fair - 1 | Total 2 — 0 Calves at sighting | |
| | | 14:37:00 PDT | ni / Blow | |
| | | 21:37-GMT | Position: 176° / 3528 m Direction: West; Behavior: Slow travel | |
| | | 14:47:00 PDT | Blow | |
| | | 21:47-GMT | Position: 189° / 3528 m Direction: West; Behavior: Slow travel | |
| | | 14:59:00 PDT | Blow | Outside |
| | | 21:59-GMT | Position: 203° / 3528 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 25 | Fair - 1 | Total 1 — 0 Calves at sighting | |
| | | 14:44:00 PDT | ni / Blow | |
| | | 21:44-GMT | Position: 178° / 1674 m Direction: West; Behavior: Slow travel • Spyhop • Breach | |
| | | 14:53:00 PDT | Body | |
| | | 21:53-GMT | Position: 182° / 1483 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 31 | Fair - 1 | Total 2 — 0 Calves at sighting | |
| | | 15:28:00 PDT | ni / Blow | |
| | | 22:28-GMT | Position: 145° / 1106 m Direction: West; Behavior: Slow travel | |
| | | 15:31:00 PDT | Body | |
| | | 22:31-GMT | Position: 163° / 1020 m Direction: West; Behavior: Slow travel | |
| | | 15:37:00 PDT | Body | |
| | | 22:37-GMT | Position: 214° / 778 m Direction: West; Behavior: Slow travel | |
| | | 15:52:00 PDT | Blow | Inside |
| | | 22:52-GMT | Position: 265° / 2260 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 32 | Fair - 1 | Total 3 — 0 Calves at sighting | |
| | | 15:56:00 PDT | ni / Blow | |
| | | 22:56-GMT | Position: 163° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 16:04:00 PDT | Blow | |
| | | 23:04-GMT | Position: 173° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 16:20:00 PDT | Blow | Outside |
| | | 23:20-GMT | Position: 181° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|--------------------------------|---------------------------|--|------------------|
| Sighting Number 33 | Fair - 1 | Total 2 — 0 Calves at sighting | |
| | 16:10:00 PDT 23:10-GMT | — / Blow Position: 110° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| | 16:15:00 PDT 23:15-GMT | Blow Position: 112° / 2260 m Direction: West; Behavior: Slow travel • Fluke | |
| | 16:23:00 PDT 23:23-GMT | Body Position: 120° / 1331 m Direction: West; Behavior: Slow travel | |
| | 16:29:00 PDT 23:29-GMT | ni Position: 138° / 1331 m Direction: West; Behavior: Slow travel • Fluke | |
| | 16:36:00 PDT 23:36-GMT | Blow Position: 197° / 735 m Direction: West; Behavior: Slow travel • Fluke | Inside |
| Sighting Number 34 | Fair - 1 | Total 2 — 0 Calves at sighting | |
| | 16:48:00 PDT 23:48-GMT | ni / Blow Position: 139° / 3528 m Direction: West; Behavior: Slow travel | |
| | 16:52:00 PDT 23:52-GMT | Blow Position: 134° / 3528 m Direction: West; Behavior: Slow travel | |
| | 16:55:00 PDT 23:55-GMT | Blow Position: 144° / 3528 m Direction: West; Behavior: Slow travel | nd |
| Mar 26 Total 7 Calves 0 | Gray whale (northbound) | | |
| Day 44 of 98 | | | |
| Sighting Number 13 | Fair - 1 | Total 1 — 0 Calves at sighting | |
| | 13:13:00 PDT 20:13-GMT | — / Blow Position: 181° / 661 m Direction: West; Behavior: Slow travel | |
| | 13:19:00 PDT 20:19-GMT | Blow Position: 239° / 678 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number 17 | Good - 3 | Total 2 — 0 Calves at sighting | |
| Images: 1884-1890 | 14:41:00 PDT 21:41-GMT | ni / Blow Position: 106° / 3088 m Direction: West; Behavior: Slow travel | |
| | 14:46:00 PDT 21:46-GMT | Blow Position: 110° / 2749 m Direction: West; Behavior: Slow travel | |
| | 14:50:00 PDT 21:50-GMT | Blow Position: 112° / 2749 m Direction: West; Behavior: Slow travel | |
| | 14:54:00 PDT 21:54-GMT | Blow Position: 118° / 1483 m Direction: West; Behavior: Slow travel | |
| | 15:01:00 PDT 22:01-GMT | Blow Position: 143° / 1208 m Direction: West; Behavior: Slow travel | |
| | 15:05:00 PDT 22:05-GMT | Blow Position: 164° / 1208 m Direction: West; Behavior: Slow travel | |
| | 15:06:00 PDT 22:06-GMT | Blow Position: 175° / 827 m Direction: West; Behavior: Slow travel | |
| | 15:11:00 PDT 22:11-GMT | Blow Position: 230° / 735 m Direction: West; Behavior: Slow travel | |
| | 15:17:00 PDT 22:17-GMT | Blow Position: 261° / 1106 m Direction: West; Behavior: Slow travel | Inside |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|---|-------------------------|--|------------------|
| Sighting Number 20 | Fair - 3 | Total 2 — 0 Calves at sighting | |
| 16:11:00 PDT 23:11-GMT | — / Blow | Position: 173° / 2749 m Direction: West; Behavior: Slow travel | |
| 16:12:00 PDT 23:12-GMT | Blow | Position: 175° / 2749 m Direction: West; Behavior: Slow travel | |
| 16:20:00 PDT 23:20-GMT | Blow | Position: 195° / 2749 m Direction: West; Behavior: Slow travel | |
| 16:31:00 PDT 23:31-GMT | Blow | Position: 219° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| 16:41:00 PDT 23:41-GMT | Blow | Position: 225° / 3528 m Direction: West; Behavior: Slow travel | |
| 16:44:00 PDT 23:44-GMT | Blow | Position: 230° / 3528 m Direction: West; Behavior: Slow travel | |
| 16:45:00 PDT 23:45-GMT | Blow | Position: 231° / 3528 m Direction: West; Behavior: Slow travel | |
| 16:47:00 PDT 23:47-GMT | Blow | Position: 232° / 3528 m Direction: West; Behavior: Slow travel | Outside |
| Sighting Number 21 | Fair - 3 | Total 2 — 0 Calves at sighting | |
| 16:16:00 PDT 23:16-GMT | — / Blow | Position: 104° / 3528 m Direction: West; Behavior: Slow travel | |
| 16:23:00 PDT 23:23-GMT | Blow | Position: 108° / 3088 m Direction: West; Behavior: Slow travel | |
| 16:55:00 PDT 23:55-GMT | Blow | Position: 131° / 946 m Direction: West; Behavior: Slow travel | Inside |
| <i>Saw inside Holly after T</i> | | | |
| Mar 27 Total 25 Calves 0 Day 45 of 98 | Gray whale (northbound) | | |
| Sighting Number 06 | Good - 2 | Total 5 — 0 Calves at sighting | |
| 10:03:00 PDT 17:03-GMT | — / Blow | Position: 162° / 3528 m Direction: West; Behavior: Slow travel | |
| 10:09:00 PDT 17:09-GMT | Blow | Position: 171° / 3528 m Direction: West; Behavior: Slow travel • Fluke | |
| 10:14:00 PDT 17:14-GMT | Blow | Position: 178° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| 10:19:00 PDT 17:19-GMT | Blow | Position: 192° / 3528 m Direction: West; Behavior: Slow travel | |
| 10:23:00 PDT 17:23-GMT | Blow | Position: 197° / 3528 m Direction: West; Behavior: Slow travel | Outside |
| Sighting Number 08 | Good - 2 | Total 2 — 0 Calves at sighting | |
| 10:19:00 PDT 17:19-GMT | Boat / Blow | Position: 121° / 3528 m Direction: West; Behavior: Slow travel | |
| <i>B - Condor</i> | | | |
| 10:23:00 PDT 17:23-GMT | Blow | Position: 124° / 3528 m Direction: West; Behavior: Slow travel • Fluke | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|-----------------|---------------------------|---|---------------------------------------|
| | 10:33:00 PDT 17:33-GMT | Blow Position: 129° / 3528 m Direction: West; Behavior: Slow travel • Fluke | |
| | 10:39:00 PDT 17:39-GMT | Blow Position: 133° / 3528 m Direction: West; Behavior: Slow travel • Fluke | |
| | 10:45:00 PDT 17:45-GMT | Blow Position: 138° / 3528 m Direction: West; Behavior: Slow travel • Fluke | |
| | 10:53:00 PDT 17:53-GMT | Body Position: 148° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| | 11:01:00 PDT 18:01-GMT | Body Position: 161° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| | 11:09:00 PDT 18:09-GMT | Blow Position: 184° / 2260 m Direction: West; Behavior: Slow travel • Fluke | |
| | 11:15:00 PDT 18:15-GMT | Body Position: 206° / 2260 m Direction: West; Behavior: Slow travel | |
| | 11:23:00 PDT 18:23-GMT | Body Position: 228° / 2749 m Direction: West; Behavior: Slow travel | Outside |
| Sighting Number | 11 | Good - 2 | Total 1 — 0 Calves at sighting |
| | 10:42:00 PDT 17:42-GMT | ni / Body Position: 182° / 377 m Direction: West; Behavior: Slow travel | |
| | 10:44:00 PDT 17:44-GMT | Body Position: 222° / 400 m Direction: West; Behavior: Slow travel | |
| | 10:51:00 PDT 17:51-GMT | Body Position: 256° / 827 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 12 | Good - 2 | Total 2 — 0 Calves at sighting |
| | 11:08:00 PDT 18:08-GMT | ni / Body Position: 172° / 1020 m Direction: West; Behavior: Slow travel | |
| | 11:17:00 PDT 18:17-GMT | Body Position: 226° / 913 m Direction: West; Behavior: Slow travel • Fluke | Inside |
| Sighting Number | 17 | Good - 2 | Total 1 — 0 Calves at sighting |
| | 12:29:00 PDT 19:29-GMT | ni / Blow Position: 114° / 2749 m Direction: West; Behavior: Slow travel | |
| | 12:40:00 PDT 19:40-GMT | Blow Position: 126° / 1674 m Direction: West; Behavior: Slow travel | |
| | 12:48:00 PDT 19:48-GMT | Body Position: 163° / 883 m Direction: West; Behavior: Slow travel | |
| | 13:03:00 PDT 20:03-GMT | Blow Position: 214° / 913 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 20 | Good - 2 | Total 2 — 0 Calves at sighting |
| | 12:46:00 PDT 19:46-GMT | ni / Blow Position: 134° / 3528 m Direction: West; Behavior: Slow travel • Fluke | |
| | 12:58:00 PDT 19:58-GMT | Blow Position: 143° / 2749 m Direction: West; Behavior: Slow travel | |
| | 13:05:00 PDT 20:05-GMT | Blow Position: 153° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|-----------------|---------------------------|--|---------------------------------------|
| | 13:08:00 PDT 20:08-GMT | Blow Position: 158° / 3088 m Direction: West; Behavior: Slow travel | |
| | 13:12:00 PDT 20:12-GMT | Blow Position: 166° / 2260 m Direction: West; Behavior: Slow travel • Fluke | nd |
| Sighting Number | 21 | Good - 2 | Total 2 — 0 Calves at sighting |
| | 13:29:00 PDT 20:29-GMT | ni / Blow Position: 113° / 2749 m Direction: West; Behavior: Slow travel | |
| | 13:32:00 PDT 20:32-GMT | Body Position: 117° / 1922 m Direction: West; Behavior: Slow travel | |
| | 13:35:00 PDT 20:35-GMT | Blow Position: 120° / 1674 m Direction: West; Behavior: Slow travel | |
| | 13:39:00 PDT 20:39-GMT | Body Position: 136° / 1106 m Direction: West; Behavior: Slow travel | |
| | 13:45:00 PDT 20:45-GMT | Blow Position: 189° / 678 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 23 | Good - 1 | Total 1 — 0 Calves at sighting |
| | 13:52:00 PDT 20:52-GMT | — / Blow Position: 121° / 1331 m Direction: West; Behavior: Slow travel • Fluke | |
| | 13:59:00 PDT 20:59-GMT | Blow Position: 149° / 778 m Direction: West; Behavior: Slow travel • Fluke | |
| | 14:03:00 PDT 21:03-GMT | Blow Position: 182° / 600 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 27 | Fair - 3 | Total 2 — 0 Calves at sighting |
| | 15:13:00 PDT 22:13-GMT | — / Blow Position: 151° / 5027 m Direction: West; Behavior: Slow travel | |
| | 15:24:00 PDT 22:24-GMT | Blow Position: 156° / 3528 m Direction: West; Behavior: Slow travel | |
| | 15:34:00 PDT 22:34-GMT | Blow Position: 169° / 3528 m Direction: West; Behavior: Slow travel | |
| | 15:36:00 PDT 22:36-GMT | Blow Position: 172° / 3528 m Direction: West; Behavior: Slow travel • Fluke | |
| | 15:48:00 PDT 22:48-GMT | Blow Position: 193° / 3528 m Direction: West; Behavior: Slow travel | nd |
| Sighting Number | 32 | Fair - 3 | Total 6 — 0 Calves at sighting |
| | 16:28:00 PDT 23:28-GMT | — / Blow Position: 117° / 5027 m Direction: West; Behavior: Slow travel | |
| | 16:38:00 PDT 23:38-GMT | Blow Position: 115° / 5027 m Direction: West; Behavior: Slow travel | |
| | 16:49:00 PDT 23:49-GMT | Blow Position: 115° / 5027 m Direction: West; Behavior: Slow travel | |
| | 16:59:00 PDT 23:59-GMT | Blow Position: 114° / 5027 m Direction: West; Behavior: Slow travel | nd |
| | | <i>Between .1 & .2 - good look in scope - whales abreast</i> | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|---|-------------------------|--|------------------|
| Sighting Number 33 | Fair - 3 | Total 1 — 0 Calves at sighting | |
| | 16:30:00 PDT | — / Blow | nd |
| | 23:30-GMT | Position: 117° / 1331 m Direction: West; Behavior: Slow travel | |
| Mar 28 Total 27 Calves 0 Day 46 of 98 | Gray whale (northbound) | | |
| Sighting Number 01 | Poor - 1 | Total 3 — 0 Calves at sighting | |
| | 9:02:00 PDT | — / Blow | |
| | 16:02-GMT | Position: 166° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| | 9:04:00 PDT | Blow | |
| | 16:04-GMT | Position: 171° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| | 9:09:00 PDT | Blow | |
| | 16:09-GMT | Position: 188° / 2260 m Direction: West; Behavior: Slow travel • Fluke | |
| | 9:12:00 PDT | Blow | |
| | 16:12-GMT | Position: 199° / 1922 m Direction: West; Behavior: Slow travel • Fluke | |
| | 9:18:00 PDT | Blow | |
| | 16:18-GMT | Position: 221° / 1922 m Direction: West; Behavior: Slow travel | |
| | 9:20:00 PDT | Blow | Inside |
| | 16:20-GMT | Position: 225° / 1922 m Direction: West; Behavior: Slow travel | |
| Sighting Number 05 | Poor - 2 | Total 1 — 0 Calves at sighting | |
| | 10:13:00 PDT | — / Blow | |
| | 17:13-GMT | Position: 104° / 3088 m Direction: West; Behavior: Slow travel | |
| | 10:22:00 PDT | Blow | |
| | 17:22-GMT | Position: 110° / 2749 m Direction: West; Behavior: Slow travel | |
| | 10:30:00 PDT | Blow | |
| | 17:30-GMT | Position: 126° / 1208 m Direction: West; Behavior: Slow travel | |
| | 10:32:00 PDT | Blow | |
| | 17:32-GMT | Position: 138° / 696 m Direction: West; Behavior: Slow travel | |
| | 10:35:00 PDT | Blow | Inside |
| | 17:35-GMT | Position: 166° / 574 m Direction: West; Behavior: Slow travel | |
| Sighting Number 16 | Poor - 0 | Total 1 — 0 Calves at sighting | |
| | 12:39:00 PDT | — / Blow | |
| | 19:39-GMT | Position: 147° / 827 m Direction: West; Behavior: Slow travel | |
| | 12:44:00 PDT | Body | Inside |
| | 19:44-GMT | Position: 191° / 574 m Direction: West; Behavior: Slow travel | |
| Sighting Number 17 | Poor - 0 | Total 2 — 0 Calves at sighting | |
| | 13:08:00 PDT | — / Blow | |
| | 20:08-GMT | Position: 105° / 2260 m Direction: West; Behavior: Slow travel | |
| | 13:12:00 PDT | Blow | |
| | 20:12-GMT | Position: 112° / 1922 m Direction: West; Behavior: Slow travel • Fluke | |
| | 13:14:00 PDT | Blow | |
| | 20:14-GMT | Position: 115° / 1922 m Direction: West; Behavior: Slow travel | |
| | 13:16:00 PDT | Blow | |
| | 20:16-GMT | Position: 118° / 1674 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | Time | CueTip / Saw | Route Past Holly |
|-----------------|------------------|--------------|--|------------------|
| | | 13:17:00 PDT | Blow | |
| | | 20:17-GMT | Position: 124° / 1674 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 13:24:00 PDT | Body | |
| | | 20:24-GMT | Position: 162° / 913 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 13:27:00 PDT | Blow | Inside |
| | | 20:27-GMT | Position: 208° / 600 m Direction: West; Behavior: Slow travel • Fluke | |
| Sighting Number | 18 | Poor - 0 | Total 1 — 0 Calves at sighting | |
| | | 13:19:00 PDT | — / Blow | |
| | | 20:19-GMT | Position: 100° / 2749 m Direction: West; Behavior: Slow travel | |
| | | 13:27:00 PDT | Blow | |
| | | 20:27-GMT | Position: 101° / 2749 m Direction: West; Behavior: Slow travel | |
| | | 13:34:00 PDT | Blow | |
| | | 20:34-GMT | Position: 104° / 2749 m Direction: West; Behavior: Slow travel | |
| | | 13:45:00 PDT | Blow | Inside |
| | | 20:45-GMT | Position: 164° / 550 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 19 | Poor - 0 | Total 2 — 0 Calves at sighting | |
| | | 13:59:00 PDT | — / Blow | |
| | | 20:59-GMT | Position: 107° / 3528 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 14:05:00 PDT | Blow | |
| | | 21:05-GMT | Position: 111° / 2260 m Direction: West; Behavior: Slow travel | |
| | | 14:10:00 PDT | Blow | |
| | | 21:10-GMT | Position: 112° / 2260 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 14:18:00 PDT | Blow | |
| | | 21:18-GMT | Position: 121° / 1483 m Direction: West; Behavior: Slow travel | |
| | | 14:22:00 PDT | Blow | |
| | | 21:22-GMT | Position: 137° / 1483 m Direction: West; Behavior: Slow travel | |
| | | 14:27:00 PDT | Blow | |
| | | 21:27-GMT | Position: 174° / 778 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 14:32:00 PDT | Blow | Inside |
| | | 21:32-GMT | Position: 223° / 778 m Direction: West; Behavior: Slow travel • Fluke | |
| Sighting Number | 20 | Poor - 0 | Total 1 — 0 Calves at sighting | |
| | | 14:03:00 PDT | — / Blow | |
| | | 21:03-GMT | Position: 154° / 550 m Direction: West; Behavior: Slow travel | |
| | | 14:04:00 PDT | Blow | |
| | | 21:04-GMT | Position: 163° / 455 m Direction: West; Behavior: Slow travel | |
| | | 14:12:00 PDT | Blow | |
| | | 21:12-GMT | Position: 195° / 471 m Direction: West; Behavior: Slow travel | |
| | | 14:21:00 PDT | Blow | Inside |
| | | 21:21-GMT | Position: 252° / 574 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 21 | Poor - 0 | Total 2 — 0 Calves at sighting | |
| | | 14:12:00 PDT | — / Blow | |
| | | 21:12-GMT | Position: 124° / 2260 m Direction: West; Behavior: Slow travel | |
| | | 14:15:00 PDT | Blow | |
| | | 21:15-GMT | Position: 133° / 1331 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | Cue/Tip / Saw | Route Past Holly |
|-----------------|---------------------------|--|---------------------------------------|
| | 14:18:00 PDT 21:18-GMT | Body Position: 158° / 778 m Direction: West; Behavior: Slow travel | |
| | 14:22:00 PDT 21:22-GMT | Blow Position: 189° / 778 m Direction: West; Behavior: Slow travel | |
| | 14:25:00 PDT 21:25-GMT | Blow Position: 222° / 883 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 24 | Poor - 0 | Total 1 — 0 Calves at sighting |
| | 14:40:00 PDT 21:40-GMT | — / Body Position: 138° / 2749 m Direction: West; Behavior: Slow travel | |
| | 14:43:00 PDT 21:43-GMT | Blow Position: 147° / 1922 m Direction: West; Behavior: Slow travel | |
| | 14:47:00 PDT 21:47-GMT | Body Position: 162° / 1674 m Direction: West; Behavior: Slow travel | |
| | 14:52:00 PDT 21:52-GMT | Body Position: 187° / 1208 m Direction: West; Behavior: Slow travel | |
| | 15:00:00 PDT 22:00-GMT | Blow Position: 238° / 1403 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 26 | Poor - 0 | Total 2 — 0 Calves at sighting |
| | 15:04:00 PDT 22:04-GMT | — / Blow Position: 114° / 3528 m Direction: West; Behavior: Slow travel | |
| | 15:12:00 PDT 22:12-GMT | Blow Position: 117° / 3528 m Direction: West; Behavior: Slow travel | |
| | 15:18:00 PDT 22:18-GMT | Blow Position: 122° / 2749 m Direction: West; Behavior: Slow travel | |
| | 15:23:00 PDT 22:23-GMT | Blow Position: 124° / 2749 m Direction: West; Behavior: Slow travel | |
| | 15:28:00 PDT 22:28-GMT | Blow Position: 124° / 2749 m Direction: West; Behavior: Slow travel | |
| | 15:31:00 PDT 22:31-GMT | Blow Position: 128° / 2749 m Direction: West; Behavior: Slow travel | |
| | 15:36:00 PDT 22:36-GMT | Blow Position: 137° / 1922 m Direction: West; Behavior: Slow travel | |
| | 15:40:00 PDT 22:40-GMT | Blow Position: 148° / 2749 m Direction: West; Behavior: Slow travel | |
| | 15:43:00 PDT 22:43-GMT | Blow Position: 154° / 1106 m Direction: West; Behavior: Slow travel • Fluke | |
| | 15:45:00 PDT 22:45-GMT | Blow Position: 169° / 1106 m Direction: West; Behavior: Slow travel | |
| | 15:47:00 PDT 22:47-GMT | Blow Position: 182° / 1106 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 27 | Poor - 0 | Total 2 — 0 Calves at sighting |
| | 15:12:00 PDT 22:12-GMT | — / Blow Position: 117° / 1331 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|-----------------|---------------------------|--|--------------------------------|
| | 15:18:00 PDT 22:18-GMT | Body Position: 132° / 1020 m Direction: West; Behavior: Slow travel | |
| | 15:22:00 PDT 22:22-GMT | Blow Position: 165° / 600 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 28 | Poor - 1 | Total 1 — 0 Calves at sighting |
| | 15:18:00 PDT 22:18-GMT | — / Blow Position: 106° / 3528 m Direction: West; Behavior: Slow travel | |
| | 15:28:00 PDT 22:28-GMT | Blow Position: 112° / 2749 m Direction: West; Behavior: Slow travel | |
| | 15:29:00 PDT 22:29-GMT | Blow Position: 116° / 2260 m Direction: West; Behavior: Slow travel | |
| | 15:37:00 PDT 22:37-GMT | Blow Position: 128° / 2749 m Direction: West; Behavior: Slow travel | |
| | 15:39:00 PDT 22:39-GMT | Blow Position: 134° / 1922 m Direction: West; Behavior: Slow travel | |
| | 15:44:00 PDT 22:44-GMT | Blow Position: 164° / 1483 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 30 | Poor - 3 | Total 2 — 0 Calves at sighting |
| | 15:31:00 PDT 22:31-GMT | — / Blow Position: 114° / 3528 m Direction: West; Behavior: Slow travel | |
| | 15:37:00 PDT 22:37-GMT | Blow Position: 115° / 3088 m Direction: West; Behavior: Slow travel | |
| | 15:42:00 PDT 22:42-GMT | Blow Position: 120° / 3088 m Direction: West; Behavior: Slow travel | |
| | 15:47:00 PDT 22:47-GMT | Blow Position: 123° / 3088 m Direction: West; Behavior: Slow travel | |
| | 15:52:00 PDT 22:52-GMT | Blow Position: 130° / 1922 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 31 | Poor - 3 | Total 3 — 0 Calves at sighting |
| | 15:38:00 PDT 22:38-GMT | — / Blow Position: 107° / 3088 m Direction: West; Behavior: Slow travel | |
| | 15:46:00 PDT 22:46-GMT | Blow Position: 112° / 1922 m Direction: West; Behavior: Slow travel | |
| | 15:47:00 PDT 22:47-GMT | Blow Position: 114° / 2260 m Direction: West; Behavior: Slow travel | |
| | 15:49:00 PDT 22:49-GMT | Blow Position: 116° / 1922 m Direction: West; Behavior: Slow travel | |
| | 15:51:00 PDT 22:51-GMT | Blow Position: 119° / 1922 m Direction: West; Behavior: Slow travel | |
| | 15:53:00 PDT 22:53-GMT | Blow Position: 124° / 1331 m Direction: West; Behavior: Slow travel | |
| | 15:53:00 PDT 22:53-GMT | Blow Position: 127° / 1331 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|-----------------|---------------------------|--|--------------------------------|
| | 15:56:00 PDT 22:56-GMT | Blow Position: 137° / 1208 m Direction: West; Behavior: Slow travel | |
| | 15:58:00 PDT 22:58-GMT | Blow Position: 140° / 1106 m Direction: West; Behavior: Slow travel | |
| | 15:59:00 PDT 22:59-GMT | Blow Position: 148° / 1106 m Direction: West; Behavior: Slow travel | |
| | 16:02:00 PDT 23:02-GMT | Blow Position: 171° / 883 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 32 | Poor - 3 | Total 2 — 0 Calves at sighting |
| | 15:55:00 PDT 22:55-GMT | — / Blow Position: 109° / 2749 m Direction: West; Behavior: Slow travel | |
| | 15:55:00 PDT 22:55-GMT | Blow Position: 112° / 2260 m Direction: West; Behavior: Slow travel | |
| | 15:59:00 PDT 22:59-GMT | Blow Position: 114° / 1922 m Direction: West; Behavior: Slow travel | |
| | 16:08:00 PDT 23:08-GMT | Blow Position: 139° / 946 m Direction: West; Behavior: Slow travel | |
| | 16:11:00 PDT 23:11-GMT | Blow Position: 159° / 946 m Direction: West; Behavior: Slow travel | |
| | 16:12:00 PDT 23:12-GMT | Blow Position: 174° / 600 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 36 | Poor - 3 | Total 1 — 0 Calves at sighting |
| | 16:45:00 PDT 23:45-GMT | — / Blow Position: 104° / 2749 m Direction: West; Behavior: Slow travel | |
| | 16:48:00 PDT 23:48-GMT | Blow Position: 106° / 2749 m Direction: West; Behavior: Slow travel | |
| | 16:54:00 PDT 23:54-GMT | Blow Position: 112° / 2260 m Direction: West; Behavior: Slow travel | nd |
| Mar 29 | Total 9 | Calves 2 | Gray whale (northbound) |
| Day 47 of 98 | | | |
| Sighting Number | 08 | Poor - 1 | Total 2 — 1 Calf at sighting |
| | 11:02:00 PDT 18:02-GMT | — / Body Position: 130° / 1922 m Direction: West; Behavior: Slow travel | |
| | | <i>We saw what at first looked like one whale, but as it got closer we noticed something smaller surface next to it - when looking through the scope, I could see the calf's rostrum surfacing frequently - they traveled along the kelp and we lost track of them shortly after they passed Holly</i> | |
| | 11:06:00 PDT 18:06-GMT | Blow Position: 147° / 1106 m Direction: West; Behavior: Slow travel | |
| | 11:08:00 PDT 18:08-GMT | Blow Position: 160° / 778 m Direction: West; Behavior: Slow travel | |
| | 11:12:00 PDT 18:12-GMT | Blow Position: 183° / 696 m Direction: West; Behavior: Slow travel | |
| | 11:18:00 PDT 18:18-GMT | Blow Position: 244° / 696 m Direction: West; Behavior: Slow travel | Inside |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|-----------------|---|--|--------------------------------|
| Sighting Number | 09 | Poor - 1 | Total 1 — 0 Calves at sighting |
| | 11:25:00 PDT | — / Blow | |
| | 18:25-GMT | Position: 162° / 455 m Direction: West; Behavior: Slow travel | |
| | 11:28:00 PDT | Blow | Inside |
| | 18:28-GMT | Position: 224° / 528 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 11 | Poor - 0 | Total 1 — 0 Calves at sighting |
| | 12:14:00 PDT | — / Body | nd |
| | 19:14-GMT | Position: 164° / 778 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 17 | Poor - 2 | Total 2 — 1 Calf at sighting |
| | 13:53:00 PDT | — / Blow | |
| | 20:53-GMT | Position: 131° / 2749 m Direction: West; Behavior: Slow travel | |
| | <i>We saw two whales, one of which was much smaller and had a smaller blow. They were traveling close. We saw both mother and calf fluke a couple of times. Beyond that, they didn't surface much and we lost track of them before they passed Holly.</i> | | |
| | 13:56:00 PDT | Blow | |
| | 20:56-GMT | Position: 137° / 2260 m Direction: West; Behavior: Slow travel • Fluke | |
| | 14:05:00 PDT | Blow | |
| | 21:05-GMT | Position: 170° / 1106 m Direction: West; Behavior: Slow travel | |
| | 14:09:00 PDT | Blow | |
| | 21:09-GMT | Position: 195° / 946 m Direction: West; Behavior: Slow travel | |
| | 14:11:00 PDT | Blow | Inside |
| | 21:11-GMT | Position: 207° / 946 m Direction: West; Behavior: Slow travel • Fluke | |
| Sighting Number | 18 | Poor - 2 | Total 3 — 0 Calves at sighting |
| | 14:34:00 PDT | — / Blow | |
| | 21:34-GMT | Position: 136° / 1483 m Direction: West; Behavior: Slow travel | |
| | <i>1 + 2</i> | | |
| | 14:37:00 PDT | Blow | |
| | 21:37-GMT | Position: 137° / 1106 m Direction: West; Behavior: Slow travel | |
| | 14:40:00 PDT | Blow | |
| | 21:40-GMT | Position: 145° / 1106 m Direction: West; Behavior: Slow travel | |
| | 14:42:00 PDT | Blow | |
| | 21:42-GMT | Position: 168° / 1020 m Direction: West; Behavior: Slow travel • Fluke | |
| | 14:44:00 PDT | Blow | |
| | 21:44-GMT | Position: 177° / 1020 m Direction: West; Behavior: Slow travel | |
| | 14:46:00 PDT | Blow | |
| | 21:46-GMT | Position: 200° / 827 m Direction: West; Behavior: Slow travel | |
| | 14:46:00 PDT | Blow | |
| | 21:46-GMT | Position: 195° / 1020 m Direction: West; Behavior: Slow travel | |
| | 14:48:00 PDT | Blow | |
| | 21:48-GMT | Position: 207° / 1208 m Direction: West; Behavior: Slow travel • Fluke | |
| | 14:51:00 PDT | Blow | |
| | 21:51-GMT | Position: 226° / 1208 m Direction: West; Behavior: Slow travel | |
| | 14:53:00 PDT | Blow | Inside |
| | 21:53-GMT | Position: 256° / 1331 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|--------------------------------|--------------------------|-------------------------|---|
| Mar 30 Total 7 Calves 0 | Gray whale (northbound) | | |
| Day 48 of 98 | | | |
| Sighting Number | 07 | Poor - 1 | Total 1 — 0 Calves at sighting |
| | 10:37:00 PDT | — / Body | |
| | 17:37-GMT | Position: 176° / 661 m | Direction: West; Behavior: Slow travel |
| | 10:41:00 PDT | Body | |
| | 17:41-GMT | Position: 213° / 661 m | Direction: West; Behavior: Slow travel |
| | 10:46:00 PDT | Body | Inside |
| | 17:46-GMT | Position: 243° / 735 m | Direction: West; Behavior: Slow travel |
| Sighting Number | 11 | Poor - 1 | Total 1 — 0 Calves at sighting |
| | 12:06:00 PDT | — / Body | |
| | 19:06-GMT | Position: 110° / 2260 m | Direction: West; Behavior: Slow travel • Fluke |
| | 12:13:00 PDT | Blow | |
| | 19:13-GMT | Position: 120° / 1922 m | Direction: West; Behavior: Slow travel |
| | 12:19:00 PDT | Blow | |
| | 19:19-GMT | Position: 135° / 160 m | Direction: West; Behavior: Slow travel • Fluke |
| | 12:25:00 PDT | Blow | |
| | 19:25-GMT | Position: 178° / 778 m | Direction: West; Behavior: Slow travel • Fluke |
| | 12:32:00 PDT | Blow | |
| | 19:32-GMT | Position: 239° / 913 m | Direction: West; Behavior: Slow travel |
| Sighting Number | 17 | Good - 1 | Total 1 — 0 Calves at sighting |
| | 13:33:00 PDT | — / Body | |
| | 20:33-GMT | Position: 115° / 1922 m | Direction: West; Behavior: Slow travel |
| | 13:48:00 PDT | Blow | nd |
| | 20:48-GMT | Position: 231° / 2749 m | Direction: West; Behavior: Slow travel • Breach |
| Sighting Number | 18 | Good - 1 | Total 3 — 0 Calves at sighting |
| | 13:41:00 PDT | — / Body | |
| | 20:41-GMT | Position: 109° / 2749 m | Direction: West; Behavior: Slow travel |
| | 1 + 2 | | |
| | 13:54:00 PDT | Body | |
| | 20:54-GMT | Position: 124° / 735 m | Direction: West; Behavior: Slow travel |
| | 13:57:00 PDT | Blow | |
| | 20:57-GMT | Position: 126° / 913 m | Direction: West; Behavior: Slow travel • Fluke |
| | 14:01:00 PDT | Blow | |
| | 21:01-GMT | Position: 144° / 455 m | Direction: West; Behavior: Slow travel |
| | 14:03:00 PDT | Blow | |
| | 21:03-GMT | Position: 161° / 778 m | Direction: West; Behavior: Slow travel |
| | 14:05:00 PDT | Blow | |
| | 21:05-GMT | Position: 182° / 661 m | Direction: West; Behavior: Slow travel |
| | 14:05:00 PDT | Blow | |
| | 21:05-GMT | Position: 186° / 550 m | Direction: West; Behavior: Slow travel |
| | 14:09:00 PDT | Blow | |
| | 21:09-GMT | Position: 215° / 778 m | Direction: West; Behavior: Slow travel |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | Time | CueTip / Saw | Route Past Holly |
|-----------------|------------------|--------------|--|------------------|
| | | 14:11:00 PDT | Body | Inside |
| | | 21:11-GMT | Position: 233° / 883 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 22 | Fair - 2 | Total 1 — 0 Calves at sighting | |
| | | 15:07:00 PDT | — / Body | |
| | | 22:07-GMT | Position: 112° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 15:15:00 PDT | Blow | |
| | | 22:15-GMT | Position: 132° / 1922 m Direction: West; Behavior: Slow travel | |
| | | 15:17:00 PDT | Body | |
| | | 22:17-GMT | Position: 139° / 1674 m Direction: West; Behavior: Slow travel | |
| | | 15:22:00 PDT | Body | |
| | | 22:22-GMT | Position: 159° / 1403 m Direction: West; Behavior: Slow travel | |
| | | 15:29:00 PDT | Body | |
| | | 22:29-GMT | Position: 207° / 1106 m Direction: West; Behavior: Slow travel | |
| | | 15:36:00 PDT | Body | |
| | | 22:36-GMT | Position: 244° / 1106 m Direction: West; Behavior: Slow travel | |
| | | 15:40:00 PDT | Body | Inside |
| | | 22:40-GMT | Position: 262° / 1483 m Direction: West; Behavior: Slow travel | |
| <hr/> | | | | |
| Mar 31 | Total 1 | Calves 0 | Gray whale (northbound) | |
| Day 49 of 98 | | | | |
| Sighting Number | 02 | Poor - 1 | Total 1 — 0 Calves at sighting | |
| | | 12:54:00 PDT | Passerby / Body | Inside |
| | | 19:54-GMT | Position: 201° / 489 m Direction: West; Behavior: Slow travel | |
| <hr/> | | | | |
| Apr 01 | Total 10 | Calves 0 | Gray whale (northbound) | |
| Day 50 of 98 | | | | |
| Sighting Number | 01 | Poor - 1 | Total 1 — 0 Calves at sighting | |
| | | 8:55:00 PDT | — / Body | |
| | | 15:55-GMT | Position: 170° / 1922 m Direction: West; Behavior: Slow travel | |
| | | 9:02:00 PDT | Body | |
| | | 16:02-GMT | Position: 199° / 1922 m Direction: West; Behavior: Slow travel | |
| | | 9:05:00 PDT | Blow | Inside |
| | | 16:05-GMT | Position: 216° / 1922 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 08 | Poor - 1 | Total 1 — 0 Calves at sighting | |
| | | 11:57:00 PDT | — / Blow | |
| | | 18:57-GMT | Position: 132° / 883 m Direction: West; Behavior: Slow travel | |
| | | 12:02:00 PDT | Blow | |
| | | 19:02-GMT | Position: 171° / 600 m Direction: West; Behavior: Slow travel | |
| | | 12:04:00 PDT | Body | |
| | | 19:04-GMT | Position: 209° / 550 m Direction: West; Behavior: Slow travel | |
| | | 12:07:00 PDT | Blow | Inside |
| | | 19:07-GMT | Position: 246° / 661 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 09 | Poor - 0 | Total 2 — 0 Calves at sighting | |
| | | 12:18:00 PDT | — / Body | |
| | | 19:18-GMT | Position: 109° / 1483 m Direction: West; Behavior: Slow travel • Fluke | |

Images: 1926-1943

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|-----------------|---------------------------|---|---------------------------------------|
| | 12:22:00 PDT 19:22-GMT | Body Position: 118° / 1106 m Direction: West; Behavior: Slow travel | |
| | 12:25:00 PDT 19:25-GMT | Body Position: 129° / 778 m Direction: West; Behavior: Slow travel | |
| | 12:26:00 PDT 19:26-GMT | Blow Position: 135° / 678 m Direction: West; Behavior: Slow travel | |
| | 12:28:00 PDT 19:28-GMT | Blow Position: 146° / 600 m Direction: West; Behavior: Slow travel | |
| | 12:30:00 PDT 19:30-GMT | Body Position: 155° / 489 m Direction: West; Behavior: Slow travel | |
| | 12:36:00 PDT 19:36-GMT | Blow Position: 196° / 539 m Direction: West; Behavior: Slow travel • Fluke | |
| | 12:40:00 PDT 19:40-GMT | Blow Position: 240° / 678 m Direction: West; Behavior: Slow travel | |
| | 12:43:00 PDT 19:43-GMT | Body Position: 260° / 913 m Direction: West; Behavior: Slow travel • Fluke | Inside |
| Sighting Number | 14 | Poor - 3 | Total 1 — 0 Calves at sighting |
| | 14:33:00 PDT 21:33-GMT | ni / Blow Position: 160° / 778 m Direction: West; Behavior: Slow travel | |
| | 14:45:00 PDT 21:45-GMT | ni Position: 257° / 913 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 16 | Fair - 3 | Total 2 — 0 Calves at sighting |
| Images: 2022-8 | 15:47:00 PDT 22:47-GMT | ni / Blow Position: 105° / 2749 m Direction: West; Behavior: Slow travel | |
| | 15:50:00 PDT 22:50-GMT | Blow Position: 109° / 2749 m Direction: West; Behavior: Slow travel | |
| | 15:58:00 PDT 22:58-GMT | Blow Position: 110° / 1922 m Direction: West; Behavior: Slow travel | |
| | 16:10:00 PDT 23:10-GMT | Blow Position: 122° / 1106 m Direction: West; Behavior: Slow travel | |
| | 16:17:00 PDT 23:17-GMT | Blow Position: 137° / 600 m Direction: West; Behavior: Slow travel | |
| | 16:20:00 PDT 23:20-GMT | Body Position: 179° / 550 m Direction: West; Behavior: Slow travel | |
| | 16:24:00 PDT 23:24-GMT | Blow Position: 209° / 696 m Direction: West; Behavior: Slow travel | |
| | 16:26:00 PDT 23:26-GMT | Blow Position: 232° / 778 m Direction: West; Behavior: Slow travel | |
| | 16:36:00 PDT 23:36-GMT | Blow Position: 282° / 1922 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 17 | Fair - 3 | Total 1 — 0 Calves at sighting |
| | 16:22:00 PDT 23:22-GMT | ni / Blow Position: 221° / 2260 m Direction: West; Behavior: Slow travel | |
| | | <i>Started with S #16 - separated - came together again after Holly</i> | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|---|---------------------------|--|------------------|
| Sighting Number 18 | Fair - 4 | Total 2 — 0 Calves at sighting | |
| | 16:32:00 PDT 23:32-GMT | ni / Blow Position: 158° / 1922 m Direction: West; Behavior: Slow travel | |
| | 16:34:00 PDT 23:34-GMT | Blow Position: 168° / 1483 m Direction: West; Behavior: Slow travel | |
| | 16:39:00 PDT 23:39-GMT | Blow Position: 192° / 1483 m Direction: West; Behavior: Slow travel | |
| | 16:43:00 PDT 23:43-GMT | Blow Position: 219° / 1106 m Direction: West; Behavior: Slow travel | |
| | 16:44:00 PDT 23:44-GMT | Blow Position: 224° / 1106 m Direction: West; Behavior: Slow travel | |
| | 16:46:00 PDT 23:46-GMT | Blow Position: 236° / 1483 m Direction: West; Behavior: Slow travel | Inside |
| Apr 02 Total 17 Calves 1 Day 51 of 98 | Gray whale (northbound) | | |
| Sighting Number 01 | Fair - 2 | Total 2 — 0 Calves at sighting | |
| | 9:14:00 PDT 16:14-GMT | — / Body Position: 179° / 1331 m Direction: West; Behavior: Slow travel | |
| | 9:22:00 PDT 16:22-GMT | Body Position: 224° / 1331 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number 09 | Fair - 2 | Total 1 — 0 Calves at sighting | |
| | 11:39:00 PDT 18:39-GMT | — / Blow Position: 100° / 2749 m Direction: West; Behavior: Slow travel | |
| | 11:51:00 PDT 18:51-GMT | Blow Position: 110° / 1922 m Direction: West; Behavior: Slow travel | |
| | 11:55:00 PDT 18:55-GMT | Blow Position: 114° / 1674 m Direction: West; Behavior: Slow travel | |
| | 12:01:00 PDT 19:01-GMT | Blow Position: 121° / 1020 m Direction: West; Behavior: Slow travel • Fluke | |
| | 12:05:00 PDT 19:05-GMT | Blow Position: 141° / 600 m Direction: West; Behavior: Slow travel | |
| | 12:08:00 PDT 19:08-GMT | Blow Position: 173° / 574 m Direction: West; Behavior: Slow travel | |
| | 12:14:00 PDT 19:14-GMT | Body Position: 243° / 883 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number 14 | Good - 2 | Total 1 — 0 Calves at sighting | |
| | 12:29:00 PDT 19:29-GMT | — / Blow Position: 138° / 550 m Direction: West; Behavior: Slow travel | |
| | 12:36:00 PDT 19:36-GMT | Blow Position: 189° / 528 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number 18 | Good - 1 | Total 3 — 0 Calves at sighting | |
| | 13:12:00 PDT 20:12-GMT | ni / Blow Position: 205° / 3528 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | Cue/Tip / Saw | Route Past Holly |
|-----------------|---------------------------|---|--------------------------------|
| | 13:18:00 PDT 20:18-GMT | Blow Position: 213° / 3528 m Direction: West; Behavior: Slow travel | |
| | 13:37:00 PDT 20:37-GMT | Blow Position: 231° / 3528 m Direction: West; Behavior: Slow travel | Outside |
| Sighting Number | 19 | Good - 1 | Total 1 — 0 Calves at sighting |
| | 13:22:00 PDT 20:22-GMT | ni / Body Position: 206° / 539 m Direction: West; Behavior: Slow travel | |
| | 13:24:00 PDT 20:24-GMT | Blow Position: 222° / 629 m Direction: West; Behavior: Slow travel | |
| | 13:27:00 PDT 20:27-GMT | Blow Position: 248° / 913 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 21 | Fair - 1 | Total 2 — 1 Calf at sighting |
| Images: None | 13:50:00 PDT 20:50-GMT | ni / Blow Position: 188° / 539 m Direction: West; Behavior: Slow travel <i>Only time cow surfaced that we saw - blew right in front of us with calf also surfacing - calf surfaced twice more along kelp - got good look - believe went towards Ellwood but did not find them</i> | |
| | 13:57:00 PDT 20:57-GMT | Body Position: 248° / 696 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 22 | Fair - 1 | Total 1 — 0 Calves at sighting |
| | 14:15:00 PDT 21:15-GMT | ni / Body Position: 134° / 600 m Direction: West; Behavior: Slow travel | |
| | 14:17:00 PDT 21:17-GMT | Blow Position: 148° / 574 m Direction: West; Behavior: Slow travel | |
| | 14:19:00 PDT 21:19-GMT | Body Position: 154° / 574 m Direction: West; Behavior: Slow travel | |
| | 14:22:00 PDT 21:22-GMT | Blow Position: 188° / 489 m Direction: West; Behavior: Slow travel | |
| | 14:28:00 PDT 21:28-GMT | Blow Position: 236° / 735 m Direction: West; Behavior: Slow travel • Fluke | |
| | 14:34:00 PDT 21:34-GMT | Blow Position: 244° / 735 m Direction: West; Behavior: Slow travel | |
| | 14:37:00 PDT 21:37-GMT | Blow Position: 268° / 1331 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 24 | Fair - 1 | Total 1 — 0 Calves at sighting |
| | 14:21:00 PDT 21:21-GMT | ni / Blow Position: 178° / 5027 m Direction: West; Behavior: Slow travel | |
| | 14:22:00 PDT 21:22-GMT | Blow Position: 179° / 3528 m Direction: West; Behavior: Slow travel | |
| | 14:40:00 PDT 21:40-GMT | Blow Position: 213° / 2260 m Direction: West; Behavior: Slow travel | |
| | 14:44:00 PDT 21:44-GMT | Blow Position: 218° / 2749 m Direction: West; Behavior: Slow travel | |
| | 14:45:00 PDT 21:45-GMT | Blow Position: 220° / 3088 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|-----------------|------------------|---|--------------------------------|
| | 14:46:00 PDT | Blow | |
| | 21:46-GMT | Position: 221° / 3088 m Direction: West; Behavior: Slow travel | |
| | 14:49:00 PDT | Blow | |
| | 21:49-GMT | Position: 229° / 3088 m Direction: West; Behavior: Slow travel | |
| | 14:51:00 PDT | Blow | |
| | 21:51-GMT | Position: 231° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| | 14:53:00 PDT | Blow | Outside |
| | 21:53-GMT | Position: 236° / 3088 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 25 | Fair - 1 | Total 1 — 0 Calves at sighting |
| | 14:31:00 PDT | ni / Body | Inside |
| | 21:31-GMT | Position: 208° / 489 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 30 | Fair - 2 | Total 4 — 0 Calves at sighting |
| | 16:13:00 PDT | ni / Blow | |
| | 23:13-GMT | Position: 191° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| | 16:14:00 PDT | Blow | |
| | 23:14-GMT | Position: 194° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| | 16:20:00 PDT | Blow | |
| | 23:20-GMT | Position: 204° / 3088 m Direction: West; Behavior: Slow travel | |
| | 16:22:00 PDT | Blow | |
| | 23:22-GMT | Position: 207° / 3088 m Direction: West; Behavior: Slow travel | |
| | 16:26:00 PDT | Blow | |
| | 23:26-GMT | Position: 214° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| | 16:30:00 PDT | Blow | |
| | 23:30-GMT | Position: 220° / 3088 m Direction: West; Behavior: Slow travel | |
| | 16:32:00 PDT | Blow | |
| | 23:32-GMT | Position: 223° / 3528 m Direction: West; Behavior: Slow travel • Breach • Fluke | |
| | 16:35:00 PDT | Blow | |
| | 23:35-GMT | Position: 226° / 3528 m Direction: West; Behavior: Slow travel | |
| | 16:41:00 PDT | Blow | |
| | 23:41-GMT | Position: 232° / 3528 m Direction: West; Behavior: Slow travel | |
| | 16:42:00 PDT | ni | Outside |
| | 23:42-GMT | Position: 234° / 3528 m Direction: West; Behavior: Slow travel • Fluke | |

Apr 03 Total 19 Calves 1
Day 52 of 98

Gray whale (northbound)

Sighting Number 12 Poor - 2 Total 2 — 1 Calf at sighting

Images: None

| | | | |
|--|--------------|---|--|
| | 10:49:00 PDT | ni / Blow | |
| | 17:49-GMT | Position: 155° / 1331 m Direction: West; Behavior: Slow travel | |
| | | <i>Very slow - saw calf at second surfacing - calf stayed close to surface not blowing past point - more frequent blowing for both past platform - very close together - calf on right side</i> | |
| | 10:54:00 PDT | Blow | |
| | 17:54-GMT | Position: 194° / 946 m Direction: West; Behavior: Slow travel | |
| | 10:57:00 PDT | Blow | |
| | 17:57-GMT | Position: 212° / 946 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | Cue/Tip / Saw | Route Past Holly |
|-----------------|---------------------------|---|--------------------------------|
| | 10:58:00 PDT 17:58-GMT | Body Position: 216° / 946 m Direction: West; Behavior: Slow travel • Breach | |
| | 11:02:00 PDT 18:02-GMT | Blow Position: 238° / 1483 m Direction: West; Behavior: Slow travel | |
| | 11:06:00 PDT 18:06-GMT | Blow Position: 250° / 1922 m Direction: West; Behavior: Slow travel | |
| | 11:09:00 PDT 18:09-GMT | Blow Position: 254° / 1922 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 13 | Poor - 1 | Total 3 — 0 Calves at sighting |
| | 11:29:00 PDT 18:29-GMT | — / Blow Position: 104° / 2749 m Direction: West; Behavior: Slow travel | |
| | 11:36:00 PDT 18:36-GMT | Blow Position: 116° / 2749 m Direction: West; Behavior: Slow travel | |
| | 11:40:00 PDT 18:40-GMT | Blow Position: 118° / 1483 m Direction: West; Behavior: Slow travel • Fluke | |
| | 11:43:00 PDT 18:43-GMT | Blow Position: 125° / 1331 m Direction: West; Behavior: Slow travel • Fluke | |
| | 11:44:00 PDT 18:44-GMT | Blow Position: 118° / 1331 m Direction: West; Behavior: Slow travel | |
| | 11:55:00 PDT 18:55-GMT | Blow Position: 182° / 489 m Direction: West; Behavior: Slow travel | |
| | 11:57:00 PDT 18:57-GMT | Blow Position: 207° / 489 m Direction: West; Behavior: Slow travel | |
| | 12:01:00 PDT 19:01-GMT | Body Position: 249° / 827 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 17 | Poor - 1 | Total 2 — 0 Calves at sighting |
| | 11:49:00 PDT 18:49-GMT | — / Body Position: 134° / 827 m Direction: West; Behavior: Slow travel <i>Joined group of 3 (S #13)</i> | |
| | 11:52:00 PDT 18:52-GMT | Blow Position: 159° / 600 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 20 | Poor - 1 | Total 3 — 0 Calves at sighting |
| | 12:35:00 PDT 19:35-GMT | ni / ni Position: 113° / 1922 m Direction: West; Behavior: Slow travel • Fluke | |
| | 12:41:00 PDT 19:41-GMT | Blow Position: 117° / 1922 m Direction: West; Behavior: Slow travel | |
| | 12:44:00 PDT 19:44-GMT | Body Position: 120° / 1922 m Direction: West; Behavior: Slow travel • Breach | |
| | 12:46:00 PDT 19:46-GMT | Blow Position: 124° / 1674 m Direction: West; Behavior: Slow travel • Fluke | |
| | 12:54:00 PDT 19:54-GMT | Body Position: 152° / 1106 m Direction: West; Behavior: Slow travel • Fluke | |
| | 12:56:00 PDT 19:56-GMT | Blow Position: 167° / 1020 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | Time | CueTip / Saw | Route Past Holly |
|-----------------|------------------|--------------|---|------------------|
| | | 12:57:00 PDT | Blow | |
| | | 19:57-GMT | Position: 172° / 827 m Direction: West; Behavior: Slow travel | |
| | | 13:02:00 PDT | Body | |
| | | 20:02-GMT | Position: 211° / 778 m Direction: West; Behavior: Slow travel | |
| | | 13:06:00 PDT | Blow | Inside |
| | | 20:06-GMT | Position: 237° / 883 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 21 | Poor - 1 | Total 2 — 0 Calves at sighting | |
| | | 12:58:00 PDT | ni / Blow | |
| | | 19:58-GMT | Position: 110° / 2260 m Direction: West; Behavior: Slow travel | |
| | | 13:12:00 PDT | Blow | |
| | | 20:12-GMT | Position: 130° / 1208 m Direction: West; Behavior: Slow travel | |
| | | 13:20:00 PDT | Splash | |
| | | 20:20-GMT | Position: 177° / 735 m Direction: West; Behavior: Slow travel | |
| | | 13:22:00 PDT | Body | |
| | | 20:22-GMT | Position: 190° / 696 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 13:28:00 PDT | Body | Inside |
| | | 20:28-GMT | Position: 246° / 735 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 24 | Poor - 1 | Total 2 — 0 Calves at sighting | |
| | | 14:11:00 PDT | ni / Blow | |
| | | 21:11-GMT | Position: 130° / 1483 m Direction: West; Behavior: Slow travel | |
| | | 14:23:00 PDT | Body | Inside |
| | | 21:23-GMT | Position: 188° / 1020 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 27 | Poor - 1 | Total 2 — 0 Calves at sighting | |
| | | 14:43:00 PDT | — / Blow | |
| | | 21:43-GMT | Position: 105° / 2749 m Direction: West; Behavior: Slow travel | |
| | | 14:53:00 PDT | Blow | |
| | | 21:53-GMT | Position: 114° / 2260 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 15:04:00 PDT | Blow | Inside |
| | | 22:04-GMT | Position: 142° / 883 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 29 | Poor - 3 | Total 1 — 0 Calves at sighting | |
| | | 16:52:00 PDT | — / Body | ni |
| | | 23:52-GMT | Position: 169° / 330 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 30 | Poor - 3 | Total 2 — 0 Calves at sighting | |
| | | 16:58:00 PDT | — / Blow | ni |
| | | 23:58-GMT | Position: 208° / 913 m Direction: West; Behavior: Slow travel | |
| Apr 04 | Total 7 | Calves 0 | Gray whale (northbound) | |
| Day 53 of 98 | | | | |
| Sighting Number | 01 | Poor - 1 | Total 1 — 0 Calves at sighting | |
| | | 9:06:00 PDT | — / Body | |
| | | 16:06-GMT | Position: 158° / 661 m Direction: West; Behavior: Slow travel • Slow travel | |
| Sighting Number | 02 | Poor - 1 | | |
| | | 9:08:00 PDT | Blow | |
| | | 16:08-GMT | Position: 173° / 600 m Direction: West; Behavior: Slow travel • Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|-----------------|---------------------------|--|--------------------------------|
| | 9:11:00 PDT 16:11-GMT | Body Position: 202° / 550 m Direction: West; Behavior: Slow travel • Slow travel | |
| | 9:14:00 PDT 16:14-GMT | Body Position: 217° / 489 m Direction: West; Behavior: Slow travel • Slow travel | Inside |
| Sighting Number | 08 | Fair - 1 | Total 1 — 0 Calves at sighting |
| | 10:36:00 PDT 17:36-GMT | — / Blow Position: 113° / 1483 m Direction: West; Behavior: Slow travel • Slow travel | |
| | 10:40:00 PDT 17:40-GMT | Blow Position: 122° / 1483 m Direction: West; Behavior: Slow travel • Slow travel | |
| | 10:44:00 PDT 17:44-GMT | Body Position: 144° / 883 m Direction: West; Behavior: Slow travel • Slow travel | |
| | 10:48:00 PDT 17:48-GMT | Body Position: 171° / 600 m Direction: West; Behavior: Slow travel • Slow travel | |
| | 10:55:00 PDT 17:55-GMT | Blow Position: 244° / 778 m Direction: West; Behavior: Slow travel • Slow travel | Inside |
| Sighting Number | 09 | Fair - 1 | Total 2 — 0 Calves at sighting |
| | 11:15:00 PDT 18:15-GMT | — / Blow Position: 177° / 2260 m Direction: West; Behavior: Slow travel • Slow travel | |
| | 11:24:00 PDT 18:24-GMT | Body Position: 203° / 2260 m Direction: West; Behavior: Slow travel • Slow travel • Breach • | |
| | 11:36:00 PDT 18:36-GMT | Body Position: 221° / 2260 m Direction: West; Behavior: Slow travel • Moderate travel • Fluke | Outside |
| Sighting Number | 10 | Fair - 1 | Total 2 — 0 Calves at sighting |
| | 12:00:00 PDT 19:00-GMT | — / Blow Position: 126° / 1403 m Direction: West; Behavior: Slow travel • Slow travel | |
| | 12:05:00 PDT 19:05-GMT | Blow Position: 149° / 827 m Direction: West; Behavior: Slow travel • Slow travel | |
| | 12:12:00 PDT 19:12-GMT | Body Position: 196° / 528 m Direction: West; Behavior: Slow travel • Slow travel • Rolling | |
| | 12:17:00 PDT 19:17-GMT | Body Position: 209° / 550 m Direction: West; Behavior: Slow travel • Slow travel | |
| | 12:24:00 PDT 19:24-GMT | Body Position: 225° / 827 m Direction: West; Behavior: Slow travel • Slow travel | Inside |
| Sighting Number | 11 | Good - 1 | Total 1 — 0 Calves at sighting |
| | 12:09:00 PDT 19:09-GMT | — / Blow Position: 131° / 1674 m Direction: West; Behavior: Slow travel • Fluke • Slow travel | |
| | 12:18:00 PDT 19:18-GMT | Body Position: 177° / 883 m Direction: West; Behavior: Slow travel • Fluke • Slow travel | |
| | 12:39:00 PDT 19:39-GMT | Body Position: 206° / 1403 m Direction: West; Behavior: Slow travel • Slow travel | Inside |

Apr 05 Total 8 Calves 0
Day 54 of 98

Gray whale (northbound)

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|-----------------|------------------|---|---------------------------------------|
| Sighting Number | 02 | Fair - 1 | Total 1 — 0 Calves at sighting |
| | 9:32:00 PDT | — / Body | |
| | 16:32-GMT | Position: 188° / 471 m Direction: West; Behavior: Slow travel • Slow travel | |
| | 9:33:00 PDT | Blow | |
| | 16:33-GMT | Position: 207° / 455 m Direction: West; Behavior: Slow travel | |
| | 9:36:00 PDT | Body | |
| | 16:36-GMT | Position: 244° / 629 m Direction: West; Behavior: Slow travel | |
| | 9:40:00 PDT | Blow | Inside |
| | 16:40-GMT | Position: 266° / 946 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 04 | Fair - 2 | Total 2 — 0 Calves at sighting |
| | 10:21:00 PDT | — / Blow | |
| | 17:21-GMT | Position: 100° / 3088 m Direction: West; Behavior: Slow travel • Rolling | |
| | 10:26:00 PDT | Blow | |
| | 17:26-GMT | Position: 105° / 3088 m Direction: West; Behavior: Slow travel | |
| | 10:31:00 PDT | Blow | |
| | 17:31-GMT | Position: 109° / 2749 m Direction: West; Behavior: Slow travel | |
| | 10:34:00 PDT | Blow | |
| | 17:34-GMT | Position: 112° / 2749 m Direction: West; Behavior: Slow travel | |
| | 10:37:00 PDT | Blow | |
| | 17:37-GMT | Position: 114° / 1922 m Direction: West; Behavior: Slow travel | |
| | 10:40:00 PDT | Blow | |
| | 17:40-GMT | Position: 121° / 1922 m Direction: West; Behavior: Slow travel | |
| | 10:46:00 PDT | Blow | |
| | 17:46-GMT | Position: 138° / 1106 m Direction: West; Behavior: Slow travel | |
| | 10:50:00 PDT | Blow | |
| | 17:50-GMT | Position: 164° / 778 m Direction: West; Behavior: Slow travel | |
| | 10:59:00 PDT | Body | |
| | 17:59-GMT | Position: 242° / 827 m Direction: West; Behavior: Slow travel • Breach | |
| | 11:01:00 PDT | Body | Inside |
| | 18:01-GMT | Position: 248° / 913 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 06 | Good - 2 | |
| | 10:46:00 PDT | — / Blow | |
| | 17:46-GMT | Position: 135° / 3528 m Direction: West; Behavior: Slow travel | |
| | 10:51:00 PDT | Blow | |
| | 17:51-GMT | Position: 142° / 3528 m Direction: West; Behavior: Slow travel | |
| | 11:16:00 PDT | Blow | |
| | 18:16-GMT | Position: 144° / 2749 m Direction: East; Behavior: Slow travel | |
| | 11:18:00 PDT | Blow | |
| | 18:18-GMT | Position: 136° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| | 11:25:00 PDT | Blow | |
| | 18:25-GMT | Position: 150° / 2260 m Direction: West; Behavior: Slow travel • Fluke | |
| | 11:34:00 PDT | Blow | |
| | 18:34-GMT | Position: 175° / 946 m Direction: West; Behavior: Slow travel • Fluke | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|--------------------|---------------------------|--|------------------|
| | 11:43:00 PDT 18:43-GMT | Blow Position: 244° / 1020 m Direction: West; Behavior: Slow travel • Fluke | Inside |
| Sighting Number 09 | Good - 2 | Total 2 — 0 Calves at sighting | |
| | 11:34:00 PDT 18:34-GMT | — / Blow Position: 159° / 2260 m Direction: West; Behavior: Slow travel | |
| | 11:36:00 PDT 18:36-GMT | Blow Position: 164° / 2260 m Direction: West; Behavior: Slow travel | |
| | 11:38:00 PDT 18:38-GMT | Blow Position: 170° / 2260 m Direction: West; Behavior: Slow travel | |
| | 11:42:00 PDT 18:42-GMT | Blow Position: 181° / 1922 m Direction: West; Behavior: Slow travel | |
| | 11:50:00 PDT 18:50-GMT | Blow Position: 218° / 1674 m Direction: West; Behavior: Slow travel • Fluke | |
| | 11:57:00 PDT 18:57-GMT | Blow Position: 237° / 1331 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number 11 | Good - 2 | Total 2 — 0 Calves at sighting | |
| | 12:33:00 PDT 19:33-GMT | — / Blow Position: 100° / 3088 m Direction: West; Behavior: Slow travel | |
| | 12:35:00 PDT 19:35-GMT | Blow Position: 101° / 3088 m Direction: West; Behavior: Slow travel | |
| | 12:38:00 PDT 19:38-GMT | Blow Position: 102° / 3088 m Direction: West; Behavior: Slow travel | |
| | 12:42:00 PDT 19:42-GMT | Blow Position: 104° / 2749 m Direction: West; Behavior: Slow travel | |
| | 12:46:00 PDT 19:46-GMT | Blow Position: 108° / 2749 m Direction: West; Behavior: Slow travel | |
| | 12:49:00 PDT 19:49-GMT | Blow Position: 112° / 1922 m Direction: West; Behavior: Slow travel | |
| | 12:53:00 PDT 19:53-GMT | Blow Position: 115° / 1483 m Direction: West; Behavior: Slow travel | |
| | 12:58:00 PDT 19:58-GMT | Blow Position: 124° / 946 m Direction: West; Behavior: Slow travel • Fluke | |
| | 13:01:00 PDT 20:01-GMT | Body Position: 137° / 827 m Direction: West; Behavior: Slow travel | |
| | 13:07:00 PDT 20:07-GMT | Blow Position: 184° / 696 m Direction: West; Behavior: Slow travel | |
| | 13:14:00 PDT 20:14-GMT | Blow Position: 270° / 778 m Direction: West; Behavior: Slow travel | |
| | 13:21:00 PDT 20:21-GMT | Blow Position: 291° / 1483 m Direction: West; Behavior: Slow travel | Inside |

Apr 06 Total 7 Calves 0
Day 55 of 98

Gray whale (northbound)

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|---------------------------|---------------------------|---|------------------|
| Sighting Number 01 | Fair - 2 | Total 4 — 0 Calves at sighting | |
| | 8:56:00 PDT 15:56-GMT | — / Blow Position: 148° / 883 m Direction: West; Behavior: Slow travel | |
| | 8:59:00 PDT 15:59-GMT | Blow Position: 121° / 2260 m Direction: West; Behavior: Slow travel | |
| | 9:03:00 PDT 16:03-GMT | Blow Position: 125° / 1922 m Direction: West; Behavior: Slow travel • Fluke | |
| | 9:07:00 PDT 16:07-GMT | Blow Position: 133° / 1208 m Direction: West; Behavior: Slow travel | |
| | 9:13:00 PDT 16:13-GMT | Blow Position: 148° / 883 m Direction: West; Behavior: Slow travel | |
| | 9:17:00 PDT 16:17-GMT | Blow Position: 175° / 600 m Direction: West; Behavior: Slow travel | |
| | 9:20:00 PDT 16:20-GMT | Blow Position: 187° / 574 m Direction: West; Behavior: Slow travel | |
| | 9:22:00 PDT 16:22-GMT | Blow Position: 203° / 550 m Direction: West; Behavior: Slow travel • Rolling | |
| | 9:24:00 PDT 16:24-GMT | Blow Position: 209° / 574 m Direction: West; Behavior: Slow travel | |
| | 9:27:00 PDT 16:27-GMT | Blow Position: 228° / 539 m Direction: West; Behavior: Slow travel | |
| | 9:30:00 PDT 16:30-GMT | Blow Position: 247° / 539 m Direction: West; Behavior: Slow travel • Rolling | |
| | 9:33:00 PDT 16:33-GMT | Position: 255° / 629 m Direction: West; Behavior: Slow travel | |
| | 9:35:00 PDT 16:35-GMT | Blow Position: 262° / 778 m Direction: West; Behavior: Slow travel | |
| | 9:40:00 PDT 16:40-GMT | Blow Position: 275° / 1403 m Direction: West; Behavior: Slow travel | ni |
| Sighting Number 08 | Fair - 2 | Total 2 — 0 Calves at sighting | |
| | 11:51:00 PDT 18:51-GMT | — / Blow Position: 102° / 2749 m Direction: West; Behavior: Slow travel | |
| | 11:54:00 PDT 18:54-GMT | Blow Position: 105° / 2749 m Direction: West; Behavior: Slow travel | |
| | 11:59:00 PDT 18:59-GMT | Blow Position: 109° / 2749 m Direction: West; Behavior: Slow travel | |
| | 12:03:00 PDT 19:03-GMT | Blow Position: 113° / 1922 m Direction: West; Behavior: Slow travel | |
| | 12:06:00 PDT 19:06-GMT | Blow Position: 115° / 1674 m Direction: West; Behavior: Slow travel | |
| | 12:09:00 PDT 19:09-GMT | Blow Position: 118° / 1106 m Direction: West; Behavior: Slow travel • Fluke | |
| | 12:14:00 PDT 19:14-GMT | Blow Position: 147° / 778 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|-----------------|---------------------------|---|--------------------------------|
| | 12:18:00 PDT 19:18-GMT | Blow Position: 196° / 574 m Direction: West; Behavior: Slow travel | |
| | 12:21:00 PDT 19:21-GMT | Blow Position: 227° / 539 m Direction: West; Behavior: Slow travel | |
| | 12:22:00 PDT 19:22-GMT | Blow Position: 244° / 600 m Direction: West; Behavior: Slow travel • Fluke | Inside |
| Sighting Number | 10 | Fair - 2 | Total 1 — 0 Calves at sighting |
| Images: 2259-65 | 12:40:00 PDT 19:40-GMT | — / Blow Position: 106° / 1922 m Direction: West; Behavior: Slow travel | |
| | 12:44:00 PDT 19:44-GMT | Blow Position: 107° / 1403 m Direction: West; Behavior: Slow travel | |
| | 12:47:00 PDT 19:47-GMT | Blow Position: 109° / 1106 m Direction: West; Behavior: Slow travel | |
| | 12:49:00 PDT 19:49-GMT | Blow Position: 109° / 946 m Direction: West; Behavior: Slow travel | |
| | 12:53:00 PDT 19:53-GMT | Blow Position: 117° / 735 m Direction: West; Behavior: Slow travel | |
| | 12:56:00 PDT 19:56-GMT | Blow Position: 123° / 574 m Direction: West; Behavior: Slow travel | |
| | 12:59:00 PDT 19:59-GMT | Blow Position: 128° / 489 m Direction: West; Behavior: Slow travel | |
| | 13:01:00 PDT 20:01-GMT | Body Position: 154° / 356 m Direction: West; Behavior: Slow travel | |
| | 13:05:00 PDT 20:05-GMT | Body Position: 224° / 356 m Direction: West; Behavior: Slow travel <i>yearling?</i> | Inside |
| Apr 07 | Total 10 Calves 4 | Gray whale (northbound) | |
| Day 56 of 98 | | | |
| Sighting Number | 03 | Fair - 3 | Total 2 — 0 Calves at sighting |
| | 9:27:00 PDT 16:27-GMT | — / Blow Position: 163° / 696 m Direction: West; Behavior: Slow travel • Fluke | |
| | 9:35:00 PDT 16:35-GMT | Blow Position: 257° / 600 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 05 | Fair - 3 | Total 2 — 1 Calf at sighting |
| Images: none | 9:59:00 PDT 16:59-GMT | — / Blow Position: 124° / 1106 m Direction: West; Behavior: Slow travel <i>very choppy- saw whales before slipstream- calf on shore side. Next surface calf blew on ocean side, bobbing just outside surf at sands.</i> | |
| | 10:03:00 PDT 17:03-GMT | Blow Position: 139° / 946 m Direction: West; Behavior: Slow travel | |
| | 10:07:00 PDT 17:07-GMT | Body Position: 168° / 661 m Direction: West; Behavior: Slow travel | |
| | 10:08:00 PDT 17:08-GMT | Body Position: 185° / 550 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|-----------------|------------------|---|--------------------------------|
| | 10:10:00 PDT | Body | |
| | 17:10-GMT | Position: 208° / 600 m Direction: West; Behavior: Slow travel | |
| | 10:15:00 PDT | Blow | |
| | 17:15-GMT | Position: 252° / 696 m Direction: West; Behavior: Slow travel | |
| | 10:21:00 PDT | Blow | Inside |
| | 17:21-GMT | Position: 280° / 946 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 08 | Fair - 3 | Total 2 — 1 Calf at sighting |
| Images: 2268-82 | 10:57:00 PDT | — / Blow | |
| | 17:57-GMT | Position: 104° / 2749 m Direction: West; Behavior: Slow travel | |
| | | <i>no calf sheet</i> | |
| | 11:02:00 PDT | Blow | |
| | 18:02-GMT | Position: 111° / 2260 m Direction: West; Behavior: Slow travel | |
| | 11:06:00 PDT | Blow | |
| | 18:06-GMT | Position: 113° / 2260 m Direction: West; Behavior: Slow travel | |
| | 11:10:00 PDT | Blow | |
| | 18:10-GMT | Position: 121° / 1483 m Direction: West; Behavior: Slow travel | |
| | 11:14:00 PDT | Blow | |
| | 18:14-GMT | Position: 131° / 1106 m Direction: West; Behavior: Slow travel | |
| | 11:20:00 PDT | Blow | |
| | 18:20-GMT | Position: 177° / 661 m Direction: West; Behavior: Slow travel | |
| | 11:24:00 PDT | Blow | |
| | 18:24-GMT | Position: 198° / 550 m Direction: West; Behavior: Slow travel | |
| | 11:27:00 PDT | Blow | |
| | 18:27-GMT | Position: 212° / 426 m Direction: West; Behavior: Slow travel | |
| | 11:27:00 PDT | Blow | |
| | 18:27-GMT | Position: 236° / 574 m Direction: West; Behavior: Slow travel | |
| Images: 2268-82 | 11:38:00 PDT | Blow | Inside |
| | 18:38-GMT | Position: 257° / 574 m Direction: West; Behavior: Slow travel | |
| | | <i>no calf sheet</i> | |
| Sighting Number | 10 | Fair - 3 | Total 4 — 2 Calves at sighting |
| Images: 2285-87 | 11:25:00 PDT | Blow | |
| | 18:25-GMT | Position: 146° / 5027 m Direction: West; Behavior: Slow travel | |
| | | <i>no calf sheet</i> | |
| | 11:31:00 PDT | Blow | |
| | 18:31-GMT | Position: 218° / 528 m Direction: West; Behavior: Slow travel | |
| | 11:35:00 PDT | Blow | Inside |
| | 18:35-GMT | Position: 236° / 883 m Direction: West; Behavior: Slow travel | |
| Apr 09 | Total 8 | Calves 2 | Gray whale (northbound) |
| Day 58 of 98 | | | |
| Sighting Number | 02 | Fair - 3 | Total 2 — 1 Calf at sighting |
| Images: none | 9:06:00 PDT | — / Blow | |
| | 16:06-GMT | Position: 135° / 1106 m Direction: West; Behavior: Slow travel | |
| | | <i>saw head at second surfacing - changed sides - lost going past Holly - picked up again - calf on left side</i> | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|-------------------------|---------------------------|--|--------------------------------|
| | 9:10:00 PDT 16:10-GMT | Blow Position: 156° / 946 m Direction: West; Behavior: Slow travel | |
| | 9:14:00 PDT 16:14-GMT | Blow Position: 190° / 778 m Direction: West; Behavior: Slow travel | |
| | 9:32:00 PDT 16:32-GMT | Blow Position: 270° / 1922 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 03 | Fair - 3 | Total 2 — 0 Calves at sighting |
| | 9:11:00 PDT 16:11-GMT | — / Blow Position: 163° / 3528 m Direction: West; Behavior: Slow travel | |
| | 9:17:00 PDT 16:17-GMT | ni Position: 169° / 3528 m Direction: West; Behavior: Slow travel | |
| | 9:41:00 PDT 16:41-GMT | Blow Position: 185° / 3088 m Direction: West; Behavior: Slow travel | |
| | 9:48:00 PDT 16:48-GMT | Blow Position: 191° / 3088 m Direction: West; Behavior: Slow travel | |
| | 9:54:00 PDT 16:54-GMT | Blow Position: 196° / 3088 m Direction: West; Behavior: Slow travel | |
| | 9:59:00 PDT 16:59-GMT | Blow Position: 204° / 3088 m Direction: West; Behavior: Slow travel | |
| | 10:03:00 PDT 17:03-GMT | Blow Position: 211° / 3088 m Direction: West; Behavior: Slow travel | |
| | 10:08:00 PDT 17:08-GMT | Blow Position: 218° / 3088 m Direction: West; Behavior: Slow travel | nd |
| Sighting Number | 04 | Fair - 3 | Total 2 — 1 Calf at sighting |
| Images: 2303-16; 2331-2 | 10:12:00 PDT 17:12-GMT | — / Blow Position: 153° / 550 m Direction: West; Behavior: Slow travel <i>2308-calf. calf has white head- surfaced with mother - then more frequent. Saw first along kelp left of point - traveled outside slipstream - later inside stick towards Ellwood</i> | |
| | 10:14:00 PDT 17:14-GMT | Blow Position: 167° / 528 m Direction: West; Behavior: Slow travel | |
| | 10:19:00 PDT 17:19-GMT | Blow Position: 236° / 574 m Direction: West; Behavior: Slow travel | |
| | 10:28:00 PDT 17:28-GMT | Blow Position: 284° / 883 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 19 | Fair - 3 | Total 1 — 0 Calves at sighting |
| | 15:16:00 PDT 22:16-GMT | — / Blow Position: 164° / 1331 m Direction: West; Behavior: Slow travel • Fluke | |
| | 15:21:00 PDT 22:21-GMT | Blow Position: 191° / 1331 m Direction: West; Behavior: Slow travel • Fluke | |
| | 15:27:00 PDT 22:27-GMT | Blow Position: 228° / 1403 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 22 | Fair - 3 | Total 1 — 0 Calves at sighting |
| | 15:42:00 PDT 22:42-GMT | — / Blow Position: 122° / 1331 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|--------------|---------------------------|--|------------------|
| | 15:49:00 PDT 22:49-GMT | Blow Position: 140° / 913 m Direction: West; Behavior: Slow travel | |
| | 15:55:00 PDT 22:55-GMT | Blow Position: 198° / 600 m Direction: West; Behavior: Slow travel | |
| | 16:00:00 PDT 23:00-GMT | Blow Position: 252° / 883 m Direction: West; Behavior: Slow travel | |
| | 16:05:00 PDT 23:05-GMT | Blow Position: 266° / 1403 m Direction: West; Behavior: Slow travel | Inside |

Apr 10 Total 13 Calves 0
Day 59 of 98

Gray whale (northbound)

| | | | |
|-------------------|---------------------------|--|--------------------------------|
| Sighting Number | 10 | Fair - 0 | Total 1 — 0 Calves at sighting |
| | 11:09:00 PDT 18:09-GMT | — / Blow Position: 114° / 1922 m Direction: West; Behavior: Slow travel | |
| | 11:12:00 PDT 18:12-GMT | Blow Position: 121° / 1483 m Direction: West; Behavior: Slow travel | |
| | 11:16:00 PDT 18:16-GMT | Blow Position: 135° / 1483 m Direction: West; Behavior: Slow travel | |
| | 11:19:00 PDT 18:19-GMT | Blow Position: 144° / m Direction: West; Behavior: Slow travel | |
| | 11:21:00 PDT 18:21-GMT | Blow Position: 153° / 1106 m Direction: West; Behavior: Slow travel | |
| | 11:25:00 PDT 18:25-GMT | Blow Position: 175° / 913 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 12 | Fair - 0 | Total 2 — 0 Calves at sighting |
| | 11:34:00 PDT 18:34-GMT | — / ni Position: 227° / 2749 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 15 | Fair - 0 | Total 3 — 0 Calves at sighting |
| Images: 2449-2488 | 13:11:00 PDT 20:11-GMT | — / Blow Position: 100° / 2749 m Direction: West; Behavior: Slow travel <i>larger whale not very large - if it was a cow/calf - possible S#17 joined - definitely 2 small whales - hard to determine positions of smaller whales - one had a spot - other did not.</i> | |
| | 13:14:00 PDT 20:14-GMT | Blow Position: 102° / 2749 m Direction: West; Behavior: Slow travel | |
| | 13:34:00 PDT 20:34-GMT | Blow Position: 108° / 2260 m Direction: West; Behavior: Slow travel | |
| | 13:46:00 PDT 20:46-GMT | Blow Position: 118° / 1483 m Direction: West; Behavior: Slow travel | |
| | 13:48:00 PDT 20:48-GMT | Body Position: 121° / 1106 m Direction: West; Behavior: Slow travel | |
| | 13:51:00 PDT 20:51-GMT | Blow Position: 125° / 946 m Direction: West; Behavior: Slow travel • Fluke <i>sharking</i> | |
| | 13:55:00 PDT 20:55-GMT | Blow Position: 136° / 696 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|-------------------|---------------------------|---|--------------------------------|
| | 13:58:00 PDT 20:58-GMT | Blow Position: 154° / 696 m Direction: West; Behavior: Slow travel | |
| | 14:00:00 PDT 21:00-GMT | Body Position: 169° / 550 m Direction: West; Behavior: Slow travel | |
| | 14:03:00 PDT 21:03-GMT | Blow Position: 189° / 489 m Direction: West; Behavior: Slow travel | |
| | 14:07:00 PDT 21:07-GMT | Body Position: 224° / 508 m Direction: West; Behavior: Slow travel | |
| | 14:11:00 PDT 21:11-GMT | Blow Position: 246° / 696 m Direction: West; Behavior: Slow travel | |
| | 14:14:00 PDT 21:14-GMT | Blow Position: 257° / 913 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 17 | Fair - 1 | Total 1 — 0 Calves at sighting |
| | 13:27:00 PDT 20:27-GMT | — / Body Position: 112° / 1106 m Direction: West; Behavior: Slow travel | nd |
| | | <i>juvenile</i> | |
| Sighting Number | 21 | Fair - 1 | Total 3 — 0 Calves at sighting |
| Images: 2490-2500 | 14:46:00 PDT 21:46-GMT | — / Blow Position: 102° / 2749 m Direction: West; Behavior: Slow travel | |
| | 14:52:00 PDT 21:52-GMT | Blow Position: 104° / 2260 m Direction: West; Behavior: Slow travel | |
| | 14:56:00 PDT 21:56-GMT | Blow Position: 107° / 2260 m Direction: West; Behavior: Slow travel • Fluke | |
| | 15:00:00 PDT 22:00-GMT | Blow Position: 110° / 2260 m Direction: West; Behavior: Slow travel | |
| | 15:04:00 PDT 22:04-GMT | Blow Position: 111° / 1674 m Direction: West; Behavior: Slow travel | |
| | 15:06:00 PDT 22:06-GMT | Blow Position: 111° / 1483 m Direction: West; Behavior: Slow travel | |
| | 15:10:00 PDT 22:10-GMT | Blow Position: 117° / 1020 m Direction: West; Behavior: Slow travel | |
| | 15:15:00 PDT 22:15-GMT | Blow Position: 143° / 600 m Direction: West; Behavior: Slow travel | |
| | 15:17:00 PDT 22:17-GMT | Blow Position: 146° / 600 m Direction: West; Behavior: Slow travel • Rolling | |
| | 15:21:00 PDT 22:21-GMT | Blow Position: 181° / 539 m Direction: West; Behavior: Slow travel | |
| | 15:23:00 PDT 22:23-GMT | Blow Position: 209° / 489 m Direction: West; Behavior: Slow travel | |
| | 15:26:00 PDT 22:26-GMT | Blow Position: 241° / 629 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 23 | Fair - 3 | Total 3 — 0 Calves at sighting |
| | 15:35:00 PDT 22:35-GMT | — / Blow Position: 144° / 883 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | Time | CueTip / Saw | Route Past Holly |
|-----------------|------------------|--|--------------------------------|---|
| | | 15:38:00 PDT | Blow | |
| | | 22:38-GMT | Position: 164° / 678 m | Direction: West; Behavior: Slow travel |
| | | 15:42:00 PDT | Blow | Inside |
| | | 22:42-GMT | Position: 209° / 600 m | Direction: West; Behavior: Slow travel |
| <hr/> | | | | |
| Apr 11 | Total 4 Calves 1 | Gray whale (northbound) | | |
| Day 60 of 98 | | | | |
| Sighting Number | 13 | Good - 2 | Total 1 — 0 Calves at sighting | |
| | | 12:45:00 PDT | — / Body | Inside |
| | | 19:45-GMT | Position: 265° / 600 m | Direction: West; Behavior: Slow travel |
| | | <i>saw disturbance in water at 179 and 1.9</i> | | |
| Sighting Number | 21 | Poor - 4 | Total 1 — 0 Calves at sighting | |
| | | 15:23:00 PDT | — / Blow | |
| | | 22:23-GMT | Position: 111° / 1922 m | Direction: West; Behavior: Slow travel |
| | | 15:44:00 PDT | Blow | Inside |
| | | 22:44-GMT | Position: 190° / 528 m | Direction: West; Behavior: Slow travel |
| | | <i>1 blow long down time</i> | | |
| Sighting Number | 23 | Poor - 4 | Total 2 — 1 Calf at sighting | |
| | Images: 2541-45 | 16:37:00 PDT | — / Blow | |
| | | 23:37-GMT | Position: 102° / 3088 m | Direction: West; Behavior: Slow travel |
| | | <i>Biggest blow in a while past campus point - took a long time to get inside Campus Point. Spyhopping in 2 places. Went east outside of slip stream. Because it was late, did not follow whales past Sands.</i> | | |
| | | 17:01:00 PDT | Blow | |
| | | 0:01; 4/12/2013-GMT | Position: 101° / 1922 m | Direction: West; Behavior: Slow travel |
| | | 17:13:00 PDT | Blow | |
| | | 0:13; 4/12/2013-GMT | Position: 106° / 2749 m | Direction: West; Behavior: Slow travel |
| | | 17:19:00 PDT | Blow | |
| | | 0:19; 4/12/2013-GMT | Position: 109° / 1922 m | Direction: West; Behavior: Slow travel |
| | | 17:23:00 PDT | Blow | |
| | | 0:23; 4/12/2013-GMT | Position: 109° / 1674 m | Direction: West; Behavior: Slow travel |
| | | 17:26:00 PDT | Blow | |
| | | 0:26; 4/12/2013-GMT | Position: 110° / 1403 m | Direction: West; Behavior: Slow travel |
| | | 17:29:00 PDT | Blow | |
| | | 0:29; 4/12/2013-GMT | Position: 113° / 1106 m | Direction: West; Behavior: Slow travel |
| | | 17:32:00 PDT | Blow | |
| | | 0:32; 4/12/2013-GMT | Position: 121° / 913 m | Direction: West; Behavior: Slow travel |
| | | 17:37:00 PDT | Blow | |
| | | 0:37; 4/12/2013-GMT | Position: 150° / 600 m | Direction: West; Behavior: Slow travel |
| | | 17:40:00 PDT | Blow | Inside |
| | | 0:40; 4/12/2013-GMT | Position: 154° / 489 m | Direction: West; Behavior: Slow travel • Spyhop with sea lion |

| | | | | |
|-----------------|------------------|-------------------------|--------------------------------|--|
| Apr 12 | Total 3 Calves 0 | Gray whale (northbound) | | |
| Day 61 of 98 | | | | |
| Sighting Number | 05 | Poor - 1 | Total 1 — 0 Calves at sighting | |
| | | 10:13:00 PDT | ni / Blow | |
| | | 17:13-GMT | Position: 101° / 3528 m | Direction: West; Behavior: Slow travel |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|-----------------|---------------------------|--|--------------------------------|
| | 10:18:00 PDT 17:18-GMT | Blow Position: 103° / 3088 m Direction: West; Behavior: Slow travel | |
| | 10:20:00 PDT 17:20-GMT | Blow Position: 104° / 3088 m Direction: West; Behavior: Slow travel | |
| | 10:25:00 PDT 17:25-GMT | Blow Position: 109° / 1922 m Direction: West; Behavior: Slow travel | |
| | 10:38:00 PDT 17:38-GMT | Blow Position: 122° / 696 m Direction: West; Behavior: Slow travel | |
| | 10:40:00 PDT 17:40-GMT | Blow Position: 142° / 661 m Direction: West; Behavior: Slow travel | |
| | 10:50:00 PDT 17:50-GMT | Blow Position: 237° / 600 m Direction: West; Behavior: Slow travel | |
| | 10:52:00 PDT 17:52-GMT | Blow Position: 261° / 661 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 08 | Poor - 3 | Total 2 — 0 Calves at sighting |
| | 11:58:00 PDT 18:58-GMT | — / Blow Position: 108° / 1922 m Direction: West; Behavior: Slow travel | |
| | 12:02:00 PDT 19:02-GMT | Blow Position: 109° / 1483 m Direction: West; Behavior: Slow travel | |
| | 12:09:00 PDT 19:09-GMT | Blow Position: 124° / 1922 m Direction: West; Behavior: Slow travel | |
| | 12:13:00 PDT 19:13-GMT | Blow Position: 144° / 550 m Direction: West; Behavior: Slow travel | |
| | 12:15:00 PDT 19:15-GMT | Blow Position: 158° / 489 m Direction: West; Behavior: Slow travel | |
| | 12:21:00 PDT 19:21-GMT | Blow Position: 239° / 600 m Direction: West; Behavior: Slow travel | |
| | 12:26:00 PDT 19:26-GMT | Blow Position: 267° / 946 m Direction: West; Behavior: Slow travel | Inside |
| Apr 13 | Total 1 | Calves 0 | Gray whale (northbound) |
| Day 62 of 98 | Sighting Number | 10 | Poor - 3 |
| | | | Total 1 — 0 Calves at sighting |
| | 16:21:00 PDT 23:21-GMT | — / Blow Position: 178° / 2260 m Direction: West; Behavior: Slow travel | |
| | 16:27:00 PDT 23:27-GMT | Blow Position: 195° / 2260 m Direction: West; Behavior: Slow travel | |
| | 16:30:00 PDT 23:30-GMT | Blow Position: 204° / 2260 m Direction: West; Behavior: Slow travel | |
| | 16:36:00 PDT 23:36-GMT | Blow Position: 224° / 2260 m Direction: West; Behavior: Slow travel | |
| | 16:42:00 PDT 23:42-GMT | Blow Position: 244° / 2749 m Direction: West; Behavior: Slow travel | Inside |
| Apr 14 | Total 7 | Calves 0 | Gray whale (northbound) |
| Day 63 of 98 | | | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|-------------------|------------------|--|--------------------------------|
| Sighting Number | 04 | Poor - 2 | Total 1 — 0 Calves at sighting |
| Images: 2589-2603 | 9:34:00 PDT | — / Blow | |
| | 16:34-GMT | Position: 144° / 696 m Direction: West; Behavior: Slow travel | |
| | | <i>white sider</i> | |
| | 9:38:00 PDT | Blow | |
| | 16:38-GMT | Position: 189° / 600 m Direction: West; Behavior: Slow travel | |
| | 9:43:00 PDT | Blow | Inside |
| | 16:43-GMT | Position: 236° / 600 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 08 | Fair - 2 | Total 3 — 0 Calves at sighting |
| | 11:15:00 PDT | — / Blow | |
| | 18:15-GMT | Position: 232° / 5027 m Direction: West; Behavior: Slow travel • Fluke | |
| Sighting Number | 12 | Fair - 2 | Total 2 — 0 Calves at sighting |
| | 12:46:00 PDT | — / Body | |
| | 19:46-GMT | Position: 133° / 913 m Direction: West; Behavior: Slow travel | |
| | 12:52:00 PDT | Body | Inside |
| | 19:52-GMT | Position: 198° / 600 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 17 | Fair - 1 | Total 1 — 0 Calves at sighting |
| | 16:02:00 PDT | — / Blow | |
| | 23:02-GMT | Position: 137° / 1331 m Direction: West; Behavior: Slow travel • Fluke | |
| Apr 15 | Total 7 | Calves 1 | Gray whale (northbound) |
| Day 64 of 98 | | | |
| Sighting Number | 03 | Fair - 2 | Total 2 — 1 Calf at sighting |
| Images: 2619-33 | 9:04:00 PDT | — / Blow | |
| | 16:04-GMT | Position: 114° / 1922 m Direction: West; Behavior: Slow travel • Fluke | |
| | | | |
| | 9:09:00 PDT | Blow | |
| | 16:09-GMT | Position: 120° / 1674 m Direction: West; Behavior: Slow travel | |
| | 9:14:00 PDT | Blow | |
| | 16:14-GMT | Position: 134° / 1208 m Direction: West; Behavior: Slow travel • Fluke | |
| | 9:22:00 PDT | Blow | |
| | 16:22-GMT | Position: 180° / 661 m Direction: West; Behavior: Slow travel | |
| | 9:36:00 PDT | Blow | Inside |
| | 16:36-GMT | Position: 269° / 1922 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 04 | Fair - 2 | Total 1 — 0 Calves at sighting |
| Images: 2616-17 | 9:13:00 PDT | — / Body | |
| | 16:13-GMT | Position: 130° / 440 m Direction: West; Behavior: Slow travel | |
| | | <i>appeared just inside of slip stream - small juvenile - possibly an abandoned calf</i> | |
| | 9:15:00 PDT | Body | Inside |
| | 16:15-GMT | Position: 169° / 388 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 08 | Fair - 3 | Total 1 — 0 Calves at sighting |
| | 10:43:00 PDT | — / Blow | |
| | 17:43-GMT | Position: 126° / 778 m Direction: West; Behavior: Slow travel | |
| | 10:49:00 PDT | Blow | Inside |
| | 17:49-GMT | Position: 169° / 388 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|--|---------------------------|--|------------------|
| Sighting Number 09 | Fair - 3 | Total 3 — 0 Calves at sighting | |
| | 11:40:00 PDT 18:40-GMT | — / Blow Position: 102° / 3088 m Direction: West; Behavior: Slow travel | |
| | 11:46:00 PDT 18:46-GMT | Blow Position: 104° / 3088 m Direction: West; Behavior: Slow travel | |
| | 11:50:00 PDT 18:50-GMT | Blow Position: 109° / 3088 m Direction: West; Behavior: Slow travel | |
| | 11:54:00 PDT 18:54-GMT | Blow Position: 113° / 2749 m Direction: West; Behavior: Slow travel | |
| | 12:00:00 PDT 19:00-GMT | Blow Position: 124° / 1106 m Direction: West; Behavior: Slow travel | |
| | 12:04:00 PDT 19:04-GMT | Blow Position: 134° / 1106 m Direction: West; Behavior: Slow travel | |
| | 12:06:00 PDT 19:06-GMT | Blow Position: 149° / 946 m Direction: West; Behavior: Slow travel | Inside |
| Apr 17 Total 3 Calves 1 Day 66 of 98 | Gray whale (northbound) | | |
| Sighting Number 04 | Fair - 3 | Total 1 — 0 Calves at sighting | |
| | 9:39:00 PDT 16:39-GMT | Boat / Blow Position: 127° / 3528 m Direction: West; Behavior: Slow travel | |
| | 9:47:00 PDT 16:47-GMT | Blow Position: 129° / 3528 m Direction: West; Behavior: Slow travel • Fluke | |
| | 9:54:00 PDT 16:54-GMT | Blow Position: 134° / 3528 m Direction: West; Behavior: Slow travel | |
| | 10:01:00 PDT 17:01-GMT | Blow Position: 137° / 3088 m Direction: West; Behavior: Slow travel • Fluke | |
| | 10:08:00 PDT 17:08-GMT | Blow Position: 144° / 2260 m Direction: West; Behavior: Slow travel | |
| | 10:15:00 PDT 17:15-GMT | Blow Position: 156° / 1922 m Direction: West; Behavior: Slow travel | |
| | 10:18:00 PDT 17:18-GMT | Blow Position: 164° / 1922 m Direction: West; Behavior: Slow travel • Fluke | |
| | 10:24:00 PDT 17:24-GMT | Blow Position: 184° / 1483 m Direction: West; Behavior: Slow travel • Fluke | |
| | 10:31:00 PDT 17:31-GMT | Blow Position: 216° / 1483 m Direction: West; Behavior: Slow travel • Fluke | |
| | 10:40:00 PDT 17:40-GMT | Blow Position: 240° / 2749 m Direction: West; Behavior: Slow travel | |
| Sighting Number 08 | Fair - 4 | | |
| | 12:04:00 PDT 19:04-GMT | Body Position: 226° / 377 m Direction: West; Behavior: Slow travel | Inside |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | Time | CueTip / Saw | Route Past Holly |
|-------------------|-------------------|-------------------------|---|------------------|
| Images: 2665-2687 | | 11:55:00 PDT | — / Body | |
| | | 18:55-GMT | Position: 128° / 696 m Direction: West; Behavior: Slow travel | |
| | | | <i>Saw entering Slip Stream- Calf head - Saw cow right after Slip Stream - Calf behind - then at kelp off Sands, whales surfaced together - lost whales along kelp</i> | |
| | | 12:00:00 PDT | Blow | |
| | | 19:00-GMT | Position: 176° / 314 m Direction: West; Behavior: Slow travel | |
| | | 12:02:00 PDT | Body | |
| | | 19:02-GMT | Position: 198° / 314 m Direction: West; Behavior: Slow travel | |
| | | 12:04:00 PDT | Body | Inside |
| | | 19:04-GMT | Position: 226° / 377 m Direction: West; Behavior: Slow travel | |
| <hr/> | | | | |
| Apr 18 | Total 14 Calves 7 | Gray whale (northbound) | | |
| Day 67 of 98 | | | | |
| Sighting Number | 13 | Good - 1 | Total 2 — 1 Calf at sighting | |
| Images: none | | 12:18:00 PDT | — / Blow | |
| | | 19:18-GMT | Position: 157° / 696 m Direction: West; Behavior: Slow travel | |
| | | | <i>Snorkeling pair- surfaced (no big blow) together left of Point. Calf arched in front of us - surfaced (just a bit) between cow surfacings. very low profile.</i> | |
| | | 12:25:00 PDT | Body | |
| | | 19:25-GMT | Position: 223° / 600 m Direction: West; Behavior: Slow travel • Slow travel | |
| | | 12:26:00 PDT | Blow | |
| | | 19:26-GMT | Position: 238° / 661 m Direction: West; Behavior: Slow travel • Slow travel | |
| | | 12:30:00 PDT | Body | Inside |
| | | 19:30-GMT | Position: 263° / 778 m Direction: West; Behavior: Slow travel • Slow travel | |
| Sighting Number | 21 | Excellent | Total 2 — 1 Calf at sighting | |
| Images: 2803-2861 | | 14:43:00 PDT | — / Blow | Inside |
| | | 21:43-GMT | Position: 99° / 2749 m Direction: West; Behavior: Slow travel | |
| | | | <i>We saw the pair enter the lake in the kelp before slip stream. Both poked heads up. Wandered east trying to get out. Through slip stream mostly underwater. Surfaced in front of us. ID of cow. We got several good looks at the bodies of mother and calf. As the pair passed Holly, there was a lot of spyhopping done by the calf, right outside the kelp. We then saw them a little later travel along kelp at Sands and inside the stick.</i> | |
| | | 14:47:00 PDT | Blow | |
| | | 21:47-GMT | Position: 101° / 2749 m Direction: West; Behavior: Slow travel | |
| | | 14:51:00 PDT | Blow | |
| | | 21:51-GMT | Position: 102° / 2260 m Direction: West; Behavior: Slow travel | |
| | | 15:07:00 PDT | Blow | |
| | | 22:07-GMT | Position: 106° / 1331 m Direction: West; Behavior: Slow travel | |
| | | 15:12:00 PDT | Blow | |
| | | 22:12-GMT | Position: 107° / 1208 m Direction: West; Behavior: Slow travel | |
| | | 15:15:00 PDT | Blow | |
| | | 22:15-GMT | Position: 108° / 946 m Direction: West; Behavior: Slow travel | |
| | | 15:21:00 PDT | Body | |
| | | 22:21-GMT | Position: 115° / 778 m Direction: West; Behavior: Slow travel | |
| | | <i>In kelp</i> | | |
| | | 15:32:00 PDT | Blow | |
| | | 22:32-GMT | Position: 198° / 356 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|-------------------|--|--|--------------------------------|
| Images: 2803-2861 | 15:35:00 PDT | Blow | |
| | 22:35-GMT | Position: 232° / 338 m Direction: West; Behavior: Slow travel | |
| | 15:47:00 PDT | Blow | |
| | 22:47-GMT | Position: 278° / 883 m Direction: West; Behavior: Slow travel | |
| | <i>Inside the stick</i> | | |
| Sighting Number | 24 | Good - 3 | Total 2 — 1 Calf at sighting |
| Images: 2863-2893 | 16:12:00 PDT | — / Blow | |
| | 23:12-GMT | Position: 112° / 2260 m Direction: West; Behavior: Slow travel | |
| | <i>pair headed toward kelp, then turned to follow along kelp</i> | | |
| | 16:15:00 PDT | Blow | |
| | 23:15-GMT | Position: 113° / 1674 m Direction: West; Behavior: Slow travel | |
| | 16:18:00 PDT | Blow | |
| | 23:18-GMT | Position: 112° / 1106 m Direction: West; Behavior: Slow travel | |
| | <i>Calf on ocean side</i> | | |
| | 16:22:00 PDT | Blow | |
| | 23:22-GMT | Position: 112° / 946 m Direction: West; Behavior: Slow travel | |
| | 16:25:00 PDT | Body | |
| | 23:25-GMT | Position: 127° / 696 m Direction: West; Behavior: Slow travel | |
| | 16:29:00 PDT | Blow | |
| | 23:29-GMT | Position: 152° / 455 m Direction: West; Behavior: Slow travel | |
| | 16:33:00 PDT | Blow | |
| | 23:33-GMT | Position: 211° / 338 m Direction: West; Behavior: Slow travel | |
| | 16:37:00 PDT | Blow | |
| | 23:37-GMT | Position: 243° / 528 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 25 | Good - 3 | Total 2 — 1 Calf at sighting |
| Images: 2895-2938 | 16:37:00 PDT | — / Blow | |
| | 23:37-GMT | Position: 124° / 600 m Direction: West; Behavior: Slow travel | |
| | 16:41:00 PDT | Blow | |
| | 23:41-GMT | Position: 158° / 629 m Direction: West; Behavior: Slow travel | |
| | 16:47:00 PDT | Blow | |
| | 23:47-GMT | Position: 222° / 440 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 27 | Fair - 3 | Total 4 — 2 Calves at sighting |
| Images: 2941-2986 | 16:51:00 PDT | — / Blow | |
| | 23:51-GMT | Position: 97° / 3088 m Direction: West; Behavior: Slow travel | |
| | 16:55:00 PDT | Blow | |
| | 23:55-GMT | Position: 106° / 2749 m Direction: West; Behavior: Slow travel | |
| | 16:59:00 PDT | Blow | |
| | 23:59-GMT | Position: 108° / 2749 m Direction: West; Behavior: Slow travel | |
| | 17:04:00 PDT | Blow | |
| | 0:04; 4/19/2013-GMT | Position: 114° / 1922 m Direction: West; Behavior: Slow travel | |
| | 17:08:00 PDT | Blow | |
| | 0:08; 4/19/2013-GMT | Position: 116° / 1483 m Direction: West; Behavior: Slow travel | |
| | 17:14:00 PDT | Blow | |
| | 0:14; 4/19/2013-GMT | Position: 134° / 1020 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | Time | CueTip / Saw | Route Past Holly |
|-------------------|------------------|---------------------|--|------------------|
| | | 17:19:00 PDT | Blow | |
| | | 0:19; 4/19/2013-GMT | Position: 173° / 661 m Direction: West; Behavior: Slow travel | |
| | | 17:24:00 PDT | Blow | |
| | | 0:24; 4/19/2013-GMT | Position: 224° / 600 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 28 | Fair - 3 | Total 2 — 1 Calf at sighting | |
| Images: 3012-3037 | | 17:18:00 PDT | — / Blow | |
| | | 0:18; 4/19/2013-GMT | Position: 99° / 3088 m Direction: West; Behavior: Slow travel | |
| | | 17:21:00 PDT | Blow | |
| | | 0:21; 4/19/2013-GMT | Position: 103° / 3088 m Direction: West; Behavior: Slow travel | |
| | | | <i>Calf on ocean side</i> | |
| | | 17:33:00 PDT | Blow | |
| | | 0:33; 4/19/2013-GMT | Position: 109° / 1922 m Direction: West; Behavior: Slow travel | |
| | | | <i>Calf on shore side</i> | |
| | | 17:41:00 PDT | Blow | |
| | | 0:41; 4/19/2013-GMT | Position: 117° / 1331 m Direction: West; Behavior: Slow travel | |
| | | 17:50:00 PDT | Blow | |
| | | 0:50; 4/19/2013-GMT | Position: 153° / 661 m Direction: West; Behavior: Slow travel | |
| Apr 19 | Total 4 | Calves 2 | Gray whale (northbound) | |
| Day 68 of 98 | | | | |
| Sighting Number | 04 | Fair - 1 | Total 2 — 1 Calf at sighting | |
| Images: 3039-3151 | | 9:34:00 PDT | SD / Blow | |
| | | 16:34-GMT | Position: 124° / 883 m Direction: West; Behavior: Slow travel | |
| | | | <i>Special pair - special experience. Picked up whales just off IV kelp to east of us - probably because of haze and glare at Campus Point. We saw the pair traveling along the kelp, moving very slowly. The calf surfaced frequently. We saw a lot of rolling, indicating possible nursing. We saw them stop a few times, while the calf spyhopped. The calf did a mini-breach as they were traveling.</i> | |
| | | 9:39:00 PDT | Body | |
| | | 16:39-GMT | Position: 145° / 600 m Direction: West; Behavior: Slow travel | |
| | | 9:47:00 PDT | Body | |
| | | 16:47-GMT | Position: 169° / 550 m Direction: West; Behavior: Slow travel • Breach • Rolling | |
| | | | <i>Possible nursing</i> | |
| | | 9:52:00 PDT | Body | |
| | | 16:52-GMT | Position: 190° / 539 m Direction: West; Behavior: Slow travel | |
| | | 9:58:00 PDT | Body | |
| | | 16:58-GMT | Position: 199° / 489 m Direction: West; Behavior: Slow travel | |
| | | 10:00:00 PDT | Body | |
| | | 17:00-GMT | Position: 202° / 489 m Direction: West; Behavior: Slow travel • Spyhop | |
| | | 10:07:00 PDT | Body | |
| | | 17:07-GMT | Position: 235° / 471 m Direction: West; Behavior: Slow travel | |
| | | 10:13:00 PDT | Body | Inside |
| | | 17:13-GMT | Position: 263° / 600 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|--|---------------------------|--|--------------------|
| Sighting Number 21 | Fair - 1 | Total 2 — 1 Calf at sighting | Disappeared |
| Images: 3163-3204 | 16:05:00 PDT 23:05-GMT | — / Body Position: 164° / 366 m Direction: West; Behavior: Slow travel | |
| <i>If they can appear out of nowhere, certainly they can disappear to nowhere. Appeared in slip stream - moved across us directly to kelp - "ran into" kelp. Turned south along kelp, then turned around - circled with calf heading east. Started to head through kelp and disappeared. Cow did not arch: surfaced, blew, and submerged without a dive. Calf followed with arch and dive.</i> | | | |
| Apr 20 Total 15 Calves 7 Day 69 of 98 | Gray whale (northbound) | | |
| Sighting Number 04 | Poor - 4 | Total 2 — 1 Calf at sighting | |
| Images: 3205-3222 | 9:38:00 PDT 16:38-GMT | — / Blow Position: 133° / 661 m Direction: West; Behavior: Slow travel | |
| <i>Poor observation quality - saw blow outside IV kelp - traveled through slip stream - calf surfaced after mom - then between surfacings - didn't see many times - traveled along Sands kelp - not certain of direction after that</i> | | | |
| | 9:39:00 PDT 16:39-GMT | Blow Position: 140° / 696 m Direction: West; Behavior: Slow travel | |
| | 9:45:00 PDT 16:45-GMT | Blow Position: 163° / 426 m Direction: West; Behavior: Slow travel | |
| | 9:47:00 PDT 16:47-GMT | Body Position: 194° / 400 m Direction: West; Behavior: Slow travel | |
| | 9:48:00 PDT 16:48-GMT | Blow Position: 214° / 489 m Direction: West; Behavior: Slow travel | |
| | 9:53:00 PDT 16:53-GMT | Blow Position: 254° / 778 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number 06 | Poor - 3 | Total 2 — 1 Calf at sighting | |
| Images: 3224-3247 | 10:43:00 PDT 17:43-GMT | — / Blow Position: 147° / 661 m Direction: West; Behavior: Slow travel | |
| <i>Saw outside slip stream - reversed course - just past Point - seemed like trying to decide path around or inside kelp - calf right with mom - up several times - grazing surface</i> | | | |
| | 10:48:00 PDT 17:48-GMT | Body Position: 182° / 600 m Direction: West; Behavior: Slow travel | |
| | 10:50:00 PDT 17:50-GMT | Blow Position: 208° / 550 m Direction: West; Behavior: Slow travel | |
| | 10:51:00 PDT 17:51-GMT | Body Position: 225° / 539 m Direction: West; Behavior: Slow travel | |
| | 10:52:00 PDT 17:52-GMT | Blow Position: 228° / 471 m Direction: West; Behavior: Slow travel | |
| | 10:57:00 PDT 17:57-GMT | Blow Position: 264° / 778 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number 08 | Fair - 2 | Total 1 — 0 Calves at sighting | |
| Images: 3251-3257 | 12:25:00 PDT 19:25-GMT | — / Blow Position: 134° / 1106 m Direction: West; Behavior: Slow travel | |
| | 12:30:00 PDT 19:30-GMT | Blow Position: 167° / 1020 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|-------------------|---|---|------------------------------|
| Sighting Number | 11 | Fair - 2 | Total 2 — 1 Calf at sighting |
| Images: 3274-3338 | 13:08:00 PDT | — / Blow | |
| | 20:08-GMT | Position: 126° / 600 m Direction: West; Behavior: Slow travel | |
| | <i>Saw just outside kelp outside slipstream, cow and calf traveled very close together outside slip stream and along kelp inside stick; white spots on backs of both cow and calf</i> | | |
| | 13:13:00 PDT | Blow | |
| | 20:13-GMT | Position: 156° / 600 m Direction: West; Behavior: Slow travel | |
| | 13:17:00 PDT | Blow | |
| | 20:17-GMT | Position: 184° / 600 m Direction: West; Behavior: Slow travel | |
| 13:20:00 PDT | Blow | | |
| 20:20-GMT | Position: 212° / 508 m Direction: West; Behavior: Slow travel | | |
| 13:24:00 PDT | Blow | | |
| 20:24-GMT | Position: 246° / 539 m Direction: West; Behavior: Slow travel | | |
| 13:29:00 PDT | Body | | Inside |
| 20:29-GMT | Position: 276° / 778 m Direction: West; Behavior: Slow travel | | |
| Sighting Number | 16 | Fair - 1 | Total 2 — 1 Calf at sighting |
| Images: 3348-3371 | 14:02:00 PDT | — / Blow | |
| | 21:02-GMT | Position: 104° / 2260 m Direction: West; Behavior: Slow travel • Breach | |
| | <i>We first saw a blow in front of a vessel (sighting # 15) outside IV kelp, after which the vessel moved to get away from the whales. We then saw the bother breach. The vessel then turned to get a look at the whales, then continued on its way. The whales continued moving west, then we saw them moving away from us, after which they turned back toward us. They entered the slip stream, then continued following the kelp and passed inside the stick.</i> | | |
| | 14:09:00 PDT | Blow | |
| | 21:09-GMT | Position: 106° / 1922 m Direction: West; Behavior: Slow travel | |
| | 14:13:00 PDT | Blow | |
| | 21:13-GMT | Position: 107° / 1403 m Direction: West; Behavior: Slow travel | |
| | 14:17:00 PDT | Blow | |
| | 21:17-GMT | Position: 108° / 1106 m Direction: West; Behavior: Slow travel | |
| | 14:22:00 PDT | Blow | |
| | 21:22-GMT | Position: 108° / 1483 m Direction: East; Behavior: Slow travel | |
| | 14:27:00 PDT | Blow | |
| | 21:27-GMT | Position: 109° / 1106 m Direction: West; Behavior: Slow travel | |
| | 14:30:00 PDT | Blow | |
| | 21:30-GMT | Position: 111° / 778 m Direction: West; Behavior: Slow travel | |
| 14:35:00 PDT | Blow | | |
| 21:35-GMT | Position: 126° / 600 m Direction: West; Behavior: Slow travel | | |
| 14:39:00 PDT | Blow | | |
| 21:39-GMT | Position: 174° / 338 m Direction: West; Behavior: Slow travel | | |
| 14:41:00 PDT | Blow | | |
| 21:41-GMT | Position: 221° / 366 m Direction: West; Behavior: Slow travel | | |
| 14:44:00 PDT | Blow | | |
| 21:44-GMT | Position: 246° / 539 m Direction: West; Behavior: Slow travel | | |
| 14:47:00 PDT | Blow | | Inside |
| 21:47-GMT | Position: 274° / 600 m Direction: West; Behavior: Slow travel | | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|-------------------|--------------------------|--|------------------------------|
| Sighting Number | 19 | Fair - 2 | Total 2 — 1 Calf at sighting |
| Images: 3374-3382 | 15:12:00 PDT | — / Blow | |
| | 22:12-GMT | Position: 103° / 2749 m Direction: West; Behavior: Slow travel <i>Traveled outside slip stream. We first saw them outside IV kelp. They surfaced frequently until they reached the kelp near the slip stream. They traveled along the kelp outside the slip stream, many time surfacing without blows. They traveled past us and passed inside the stick.</i> | |
| Images: 3374-3382 | 15:17:00 PDT | Blow | |
| | 22:17-GMT | Position: 106° / 2260 m Direction: West; Behavior: Slow travel | |
| | 15:23:00 PDT | Body | |
| | 22:23-GMT | Position: 109° / 1674 m Direction: West; Behavior: Slow travel | |
| | 15:28:00 PDT | Blow | |
| | 22:28-GMT | Position: 111° / 1331 m Direction: West; Behavior: Slow travel | |
| | 15:30:00 PDT | Blow | |
| | 22:30-GMT | Position: 113° / 1106 m Direction: West; Behavior: Slow travel | |
| | 15:33:00 PDT | Blow | |
| | 22:33-GMT | Position: 122° / 883 m Direction: West; Behavior: Slow travel | |
| Images: 3374-3382 | 15:38:00 PDT | Body | |
| | 22:38-GMT | Position: 157° / 600 m Direction: West; Behavior: Slow travel | |
| Images: 3374-3382 | 15:40:00 PDT | Body | |
| | 22:40-GMT | Position: 178° / 528 m Direction: West; Behavior: Slow travel | |
| Images: 3374-3382 | 15:43:00 PDT | Blow | |
| | 22:43-GMT | Position: 204° / 528 m Direction: West; Behavior: Slow travel | |
| Images: 3374-3382 | 15:49:00 PDT | Body | |
| | 22:49-GMT | Position: 273° / 600 m Direction: West; Behavior: Slow travel | |
| Images: 3374-3382 | 15:51:00 PDT | Blow | Inside |
| | 22:51-GMT | Position: 288° / 827 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 21 | Fair - 3 | Total 2 — 1 Calf at sighting |
| Images: 3384-3419 | 16:03:00 PDT | — / Blow | |
| | 23:03-GMT | Position: 110° / 2260 m Direction: West; Behavior: Slow travel <i>We saw the whales outside IV kelp. They seemed to stop for a moment, then continued. They traveled along the kelp. When they were in front of us, we saw the calf surfacing, putting its head up a few times. We then saw rolling, most likely nursing. As this was happening, a vessel approached them head on (sighting #15). The vessel passed right by, but the whales stopped what they were doing, and continued traveling. We last saw them a little past Holly.</i> | |
| Images: 3384-3419 | 16:09:00 PDT | Blow | |
| | 23:09-GMT | Position: 114° / 1674 m Direction: West; Behavior: Slow travel | |
| Images: 3384-3419 | 16:14:00 PDT | Blow | |
| | 23:14-GMT | Position: 114° / 1403 m Direction: West; Behavior: Slow travel | |
| Images: 3384-3419 | 16:17:00 PDT | Blow | |
| | 23:17-GMT | Position: 117° / 1106 m Direction: West; Behavior: Slow travel | |
| Images: 3384-3419 | 16:22:00 PDT | Body | |
| | 23:22-GMT | Position: 146° / 600 m Direction: West; Behavior: Slow travel • Rolling | |
| Images: 3384-3419 | 16:26:00 PDT | Blow | |
| | 23:26-GMT | Position: 170° / 539 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|-------------------|-------------------------------------|---|------------------------------|
| | 16:31:00 PDT 23:31-GMT | Blow Position: 237° / 550 m Direction: West; Behavior: Slow travel | |
| | 16:34:00 PDT 23:34-GMT | Blow Position: 261° / 883 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 23 | Fair - 2 | Total 2 — 1 Calf at sighting |
| Images: 3422-3434 | 16:41:00 PDT 23:41-GMT | — / Blow Position: 103° / 3088 m Direction: West; Behavior: Slow travel | |
| | 16:44:00 PDT 23:44-GMT | Blow Position: 103° / 2749 m Direction: West; Behavior: Slow travel | |
| | 16:51:00 PDT 23:51-GMT | Blow Position: 108° / 2260 m Direction: West; Behavior: Slow travel | |
| | 16:57:00 PDT 23:57-GMT | Blow Position: 112° / 1922 m Direction: West; Behavior: Slow travel | |
| | 17:00:00 PDT 0:00; 4/21/2013-GMT | Blow Position: 115° / 1922 m Direction: West; Behavior: Slow travel | |
| | 17:13:00 PDT 0:13; 4/21/2013-GMT | Body Position: 162° / 735 m Direction: West; Behavior: Slow travel | |
| | 17:18:00 PDT 0:18; 4/21/2013-GMT | Blow Position: 206° / 678 m Direction: West; Behavior: Slow travel | |
| | 17:20:00 PDT 0:20; 4/21/2013-GMT | Blow Position: 222° / 678 m Direction: West; Behavior: Slow travel | Inside |
| Apr 21 | Total 2 Calves 1 | Gray whale (northbound) | |
| Day 70 of 98 | | | |
| Sighting Number | 09 | Good - 2 | Total 2 — 1 Calf at sighting |
| Images: 3436-3443 | 10:25:00 PDT 17:25-GMT | Boat / Blow Position: 102° / 2749 m Direction: West; Behavior: Slow travel | |
| | | <i>Condor called them in. Condor came around Campus Point told us about c/c pair. Took several minutes to see blow. Next time we saw them was more than 20 minutes and they were off IV kelp - traveled outside slip stream - both surfaced and blew - ID'd as Er c/c - Calf surfaced rostrum first several times in front of us but very little body of either. Traveled c/c train to Ellwood.</i> | |
| | 10:46:00 PDT 17:46-GMT | Body Position: 111° / 827 m Direction: West; Behavior: Slow travel | |
| | 10:52:00 PDT 17:52-GMT | Blow Position: 128° / 661 m Direction: West; Behavior: Slow travel | |
| | 10:55:00 PDT 17:55-GMT | Blow Position: 145° / 696 m Direction: West; Behavior: Slow travel | |
| | 10:59:00 PDT 17:59-GMT | Body Position: 188° / 600 m Direction: West; Behavior: Slow travel | |
| | 11:01:00 PDT 18:01-GMT | Body Position: 217° / 508 m Direction: West; Behavior: Slow travel | |
| | 11:07:00 PDT 18:07-GMT | Body Position: 278° / 678 m Direction: West; Behavior: Slow travel | Inside |
| Apr 22 | Total 12 Calves 6 | Gray whale (northbound) | |
| Day 71 of 98 | | | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|---------------------------|---|--|------------------|
| Sighting Number 03 | Fair - 3 | Total 2 — 1 Calf at sighting | |
| Images: 3516-3550 | 9:13:00 PDT | — / Blow | |
| | 16:13-GMT | Position: 117° / 1106 m Direction: West; Behavior: Slow travel | |
| | <i>We first saw the pair outside the kelp at the slip stream. The pair entered the slip stream and traveled through it, surfacing regularly. We saw them surface right before they passed Holly. Then, we didn't see them again until they had reached Sands/ Ellwood. Pair surfaced together two or three times.</i> | | |
| | 9:17:00 PDT | Body | |
| | 16:17-GMT | Position: 120° / 489 m Direction: West; Behavior: Slow travel | |
| | 9:22:00 PDT | Blow | |
| 16:22-GMT | Position: 208° / 412 m Direction: West; Behavior: Slow travel | | |
| 9:23:00 PDT | Blow | | Inside |
| 16:23-GMT | Position: 228° / 412 m Direction: West; Behavior: Slow travel | | |
| 9:32:00 PDT | Blow | | |
| 16:32-GMT | Position: 298° / 913 m Direction: West; Behavior: Slow travel | | |
| Sighting Number 09 | Fair - 3 | Total 2 — 1 Calf at sighting | |
| Images: 3555-3585 | 10:59:00 PDT | — / Blow | |
| | 17:59-GMT | Position: 100° / 2260 m Direction: West; Behavior: Slow travel | |
| | <i>We first saw a blow outside IV kelp, then didn't see it again for 15 minutes, where it surfaced outside the kelp closer to us. We didn't see the calf for a long time, but when they reached the kelp outside the slip stream, we were able to see it. We then didn't see them for about ten minutes, where they surfaced a little before Holly. They spent a lot of time underwater, not showing very much of themselves when they did surface. We last saw them just outside the stick. Calf surfaced a lot but did not show much. Most of time cow and calf close. Sometimes calf was a few meters apart.</i> | | |
| | 11:14:00 PDT | Blow | |
| | 18:14-GMT | Position: 114° / 1922 m Direction: West; Behavior: Slow travel | |
| | 11:16:00 PDT | Blow | |
| | 18:16-GMT | Position: 116° / 1483 m Direction: West; Behavior: Slow travel | |
| | 11:20:00 PDT | Body | |
| | 18:20-GMT | Position: 121° / 1106 m Direction: West; Behavior: Slow travel | |
| | 11:23:00 PDT | Body | |
| | 18:23-GMT | Position: 136° / 827 m Direction: West; Behavior: Slow travel | |
| 11:32:00 PDT | Body | | |
| 18:32-GMT | Position: 220° / 539 m Direction: West; Behavior: Slow travel | | |
| 11:37:00 PDT | Blow | | |
| 18:37-GMT | Position: 261° / 883 m Direction: West; Behavior: Slow travel | | |
| 11:42:00 PDT | Body | | Inside |
| 18:42-GMT | Position: 278° / 1208 m Direction: West; Behavior: Slow travel | | |
| Sighting Number 15 | Good - 1 | Total 2 — 1 Calf at sighting | |
| Images: 3599-3644 | 13:44:00 PDT | — / Body | |
| | 20:44-GMT | Position: 149° / 356 m Direction: West; Behavior: Slow travel | |
| | <i>We first saw them appear in the slip stream. They surfaced regularly. When they reached the kelp at the end of slip stream, they turned around instead of going through the kelp. We later saw them a little past Holly, and they traveled along the kelp to Ellwood, traveling inside the stick.</i> | | |
| 13:45:00 PDT | Body | | |
| 20:45-GMT | Position: 174° / 356 m Direction: West; Behavior: Slow travel | | |
| 13:47:00 PDT | Body | | |
| 20:47-GMT | Position: 214° / 356 m Direction: West; Behavior: Slow travel | | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|---------------------------|---------------------------|---|------------------|
| | 13:49:00 PDT 20:49-GMT | Body Position: 224° / 412 m Direction: West; Behavior: Slow travel | |
| | 13:53:00 PDT 20:53-GMT | Body Position: 249° / 412 m Direction: West; Behavior: Slow travel | |
| | 13:57:00 PDT 20:57-GMT | Blow Position: 281° / 661 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number 18 | Good - 1 | Total 2 — 1 Calf at sighting | |
| Images: 3649-3658 | 14:09:00 PDT 21:09-GMT | — / Body Position: 153° / 600 m Direction: West; Behavior: Slow travel <i>We first saw them outside the kelp in front of us. They traveled along the kelp. We saw the mother surfacing frequently, but saw little of the calf. They surfaced a little past Holly, then again past the stick. Although we didn't see much of the calf, we did see a white spot on its back.</i> | |
| | 14:10:00 PDT 21:10-GMT | Body Position: 159° / 600 m Direction: West; Behavior: Slow travel | |
| | 14:13:00 PDT 21:13-GMT | Body Position: 194° / 600 m Direction: West; Behavior: Slow travel | |
| | 14:14:00 PDT 21:14-GMT | Body Position: 205° / 489 m Direction: West; Behavior: Slow travel | |
| Sighting Number 21 | Good - 1 | Total 2 — 1 Calf at sighting | |
| Images: 3661-3727 | 15:03:00 PDT 22:03-GMT | — / Blow Position: 99° / 2749 m Direction: West; Behavior: Slow travel <i>Slow and taking time to enjoy kelp. First saw them near kelp, near Campus Point. They went around kelp and swam next to it for a while. Slowly swam towards and in the slip stream. Turned a little bit towards Holly when they got to the next kelp patch. Continued on, slowly, and saw them a few times well within the stick and shore.</i> | |
| | 15:12:00 PDT 22:12-GMT | Blow Position: 105° / 2749 m Direction: West; Behavior: Slow travel | |
| | 15:17:00 PDT 22:17-GMT | Blow Position: 106° / 2260 m Direction: West; Behavior: Slow travel | |
| | 15:22:00 PDT 22:22-GMT | Blow Position: 108° / 2260 m Direction: West; Behavior: Slow travel | |
| | 15:24:00 PDT 22:24-GMT | Blow Position: 106° / 2260 m Direction: West; Behavior: Slow travel | |
| | 15:25:00 PDT 22:25-GMT | Blow Position: 105° / 1922 m Direction: West; Behavior: Slow travel | |
| | 15:29:00 PDT 22:29-GMT | Blow Position: 106° / 1483 m Direction: West; Behavior: Slow travel | |
| | 15:32:00 PDT 22:32-GMT | Blow Position: 104° / 1106 m Direction: West; Behavior: Slow travel | |
| | 15:34:00 PDT 22:34-GMT | Blow Position: 104° / 883 m Direction: West; Behavior: Slow travel | |
| | 15:36:00 PDT 22:36-GMT | Blow Position: 107° / 778 m Direction: West; Behavior: Slow travel | |
| | 15:42:00 PDT 22:42-GMT | Body Position: 125° / 574 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|-------------------|-------------------------------------|---|------------------------------|
| | 15:44:00 PDT 22:44-GMT | Blow Position: 132° / 471 m Direction: West; Behavior: Slow travel | |
| | 15:46:00 PDT 22:46-GMT | Body Position: 139° / 356 m Direction: West; Behavior: Slow travel | |
| | 15:47:00 PDT 22:47-GMT | Body Position: 149° / 356 m Direction: West; Behavior: Slow travel | |
| | 15:49:00 PDT 22:49-GMT | Body Position: 184° / 314 m Direction: West; Behavior: Slow travel | |
| | 15:51:00 PDT 22:51-GMT | Body Position: 224° / 314 m Direction: West; Behavior: Slow travel | |
| | 15:51:00 PDT 22:51-GMT | Body Position: 228° / 314 m Direction: West; Behavior: Slow travel | |
| | 15:54:00 PDT 22:54-GMT | Body Position: 234° / 489 m Direction: West; Behavior: Slow travel | |
| | 15:58:00 PDT 22:58-GMT | Blow Position: 274° / 539 m Direction: West; Behavior: Slow travel | |
| | 15:59:00 PDT 22:59-GMT | Blow Position: 284° / 489 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 24 | Good - 1 | Total 2 — 1 Calf at sighting |
| Images: 3729-3787 | 16:50:00 PDT 23:50-GMT | — / Blow Position: 99° / 3088 m Direction: West; Behavior: Slow travel | |
| | 16:55:00 PDT 23:55-GMT | Blow Position: 102° / 3088 m Direction: West; Behavior: Slow travel | |
| | 16:58:00 PDT 23:58-GMT | Blow Position: 104° / 3088 m Direction: West; Behavior: Slow travel | |
| | 17:01:00 PDT 0:01; 4/23/2013-GMT | Blow Position: 106° / 2749 m Direction: West; Behavior: Slow travel | |
| | 17:08:00 PDT 0:08; 4/23/2013-GMT | Blow Position: 104° / 2260 m Direction: West; Behavior: Slow travel | |
| | 17:12:00 PDT 0:12; 4/23/2013-GMT | Blow Position: 107° / 1922 m Direction: West; Behavior: Slow travel | |
| | 17:16:00 PDT 0:16; 4/23/2013-GMT | Blow Position: 110° / 1922 m Direction: West; Behavior: Slow travel | |
| | 17:18:00 PDT 0:18; 4/23/2013-GMT | Blow Position: 110° / 1403 m Direction: West; Behavior: Slow travel | |
| | 17:23:00 PDT 0:23; 4/23/2013-GMT | Blow Position: 112° / 913 m Direction: West; Behavior: Slow travel | |
| | 17:27:00 PDT 0:27; 4/23/2013-GMT | Blow Position: 121° / 913 m Direction: West; Behavior: Slow travel | |
| | 17:31:00 PDT 0:31; 4/23/2013-GMT | Blow Position: 154° / 412 m Direction: West; Behavior: Slow travel | |
| | 17:34:00 PDT 0:34; 4/23/2013-GMT | Blow Position: 197° / 366 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|---------------------------------|--|--|------------------------------|
| | 17:35:00 PDT | Blow | |
| | 0:35; 4/23/2013-GMT | Position: 212° / 356 m Direction: West; Behavior: Slow travel | |
| | 17:35:00 PDT | Blow | |
| | 0:35; 4/23/2013-GMT | Position: 221° / 356 m Direction: West; Behavior: Slow travel | |
| Apr 23 Total 10 Calves 5 | Gray whale (northbound) | | |
| Day 72 of 98 | | | |
| Sighting Number | 02 | Fair - 1 | Total 2 — 1 Calf at sighting |
| Images: 3788-3820 | 9:31:00 PDT | — / Blow | |
| | 16:31-GMT | Position: 103° / 2749 m Direction: West; Behavior: Slow travel | |
| | <i>Frequent blowing/surfacing of calf, but not much more than cow.</i> | | |
| | <i>Saw at Campus Point - lots of blowing - initial hesitation then directly, slowly to Counter Point area - Traveled outside slip stream with cow at surface a fair amount - good ID - calf did not show much - mostly little puff blows alongside mom. Cow made big arch @ 175 degrees and then disappeared all the way across Sands kelp to 259 degrees - then they proceeded close to shore toward Ellwood.</i> | | |
| | 9:37:00 PDT | Blow | |
| | 16:37-GMT | Position: 108° / 2260 m Direction: West; Behavior: Slow travel | |
| | 9:46:00 PDT | Blow | |
| | 16:46-GMT | Position: 115° / 1331 m Direction: West; Behavior: Slow travel | |
| | 9:52:00 PDT | Blow | |
| | 16:52-GMT | Position: 134° / 600 m Direction: West; Behavior: Slow travel | |
| | 9:57:00 PDT | Blow | |
| | 16:57-GMT | Position: 188° / 574 m Direction: West; Behavior: Slow travel | |
| | <i>Big dive; long time submerged</i> | | |
| | 10:05:00 PDT | Body | Inside |
| | 17:05-GMT | Position: 286° / 1106 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 07 | Fair - 0 | Total 2 — 1 Calf at sighting |
| Images: 3827-32 | 10:28:00 PDT | — / Blow | |
| | 17:28-GMT | Position: 123° / 913 m Direction: West; Behavior: Slow travel | |
| | 10:31:00 PDT | Body | |
| | 17:31-GMT | Position: 156° / 696 m Direction: West; Behavior: Slow travel | |
| | <i>Cow submerged most of the time</i> | | |
| | 10:35:00 PDT | Body | |
| | 17:35-GMT | Position: 197° / 455 m Direction: West; Behavior: Slow travel | |
| | 10:41:00 PDT | Body | Inside |
| | 17:41-GMT | Position: 274° / 827 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 10 | Fair - 0 | Total 2 — 1 Calf at sighting |
| Images: none | 10:50:00 PDT | — / Body | |
| | 17:50-GMT | Position: 224° / 412 m Direction: West; Behavior: Slow travel | |
| | <i>Saw disturbance right in front - cow surfaced with no blow - calf surfaced with no blow - no surfacing along Sands kelp (trend continues) to 270 degrees - very calm - quiet - snorkelers</i> | | |
| | 10:51:00 PDT | Body | |
| | 17:51-GMT | Position: 235° / 489 m Direction: West; Behavior: Slow travel | |
| | 10:55:00 PDT | Body | Inside |
| | 17:55-GMT | Position: 284° / 883 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|-------------------|---------------------------|--|--|
| Sighting Number | 11 | Fair - 0 | Total 2 — 1 Calf at sighting |
| Images: 3836-3875 | 11:04:00 PDT 18:04-GMT | — / Body Position: 127° / 913 m Direction: West; Behavior: Slow travel | <i>no blowing - very slow - very calm - surfaced together a few times - calf surfaced more frequently - they surfaced at corner of Sands kelp, a bit sooner than previous pairs</i> |
| | 11:08:00 PDT 18:08-GMT | Body Position: 164° / 696 m Direction: West; Behavior: Slow travel | |
| | 11:13:00 PDT 18:13-GMT | Body Position: 220° / 539 m Direction: West; Behavior: Slow travel | |
| | 11:15:00 PDT 18:15-GMT | Body Position: 254° / 778 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 18 | Good - 0 | Total 2 — 1 Calf at sighting |
| Images: 3886-3919 | 15:47:00 PDT 22:47-GMT | — / Blow Position: 103° / 2749 m Direction: West; Behavior: Slow travel | <i>We first saw them blow outside the kelp at Campus Point. they traveled along the kelp, blowing regularly all the way to Ellwood, traveling at a fairly constant speed. We saw the calf poke its head up every now and then without blowing.</i> |
| | 15:51:00 PDT 22:51-GMT | Blow Position: 106° / 2260 m Direction: West; Behavior: Slow travel | |
| | 15:56:00 PDT 22:56-GMT | Blow Position: 110° / 1922 m Direction: West; Behavior: Slow travel | |
| | 16:06:00 PDT 23:06-GMT | Blow Position: 125° / 629 m Direction: West; Behavior: Slow travel | |
| | 16:09:00 PDT 23:09-GMT | Blow Position: 155° / 661 m Direction: West; Behavior: Slow travel | |
| | 16:14:00 PDT 23:14-GMT | Body Position: 198° / 574 m Direction: West; Behavior: Slow travel | |
| | 16:18:00 PDT 23:18-GMT | Blow Position: 249° / 661 m Direction: West; Behavior: Slow travel | |
| | 16:26:00 PDT 23:26-GMT | Blow Position: 284° / 1403 m Direction: West; Behavior: Slow travel | Inside |
| Apr 24 | Total 11 Calves 5 | Gray whale (northbound) | |
| Day 73 of 98 | | | |
| Sighting Number | 05 | Poor - 2 | Total 2 — 1 Calf at sighting |
| Images: 3929-3948 | 9:36:00 PDT 16:36-GMT | — / Body Position: 148° / 696 m Direction: West; Behavior: Slow travel | <i>We first saw the pair outside the kelp near the slip stream. They traveled along the kelp, and we saw them surface regularly. We didn't see much of the calf. They traveled to Ellwood along the kelp, traveling inside the stick. Lots of surfacing without blowing.</i> |
| | 9:40:00 PDT 16:40-GMT | Body Position: 178° / 539 m Direction: West; Behavior: Slow travel | |
| | 9:46:00 PDT 16:46-GMT | Body Position: 235° / 883 m Direction: West; Behavior: Slow travel | |
| | 9:49:00 PDT 16:49-GMT | Body Position: 271° / 661 m Direction: West; Behavior: Slow travel | Inside |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|---------------------------|---|--|--------------------------------|
| Sighting Number | 06 | Poor - 1 | Total 2 — 1 Calf at sighting |
| Images: 3949-3984 | 10:01:00 PDT 17:01-GMT | — / Blow Position: 111° / 1483 m Direction: West; Behavior: Slow travel | |
| | <i>Saw outside kelp just past IV - traveled along the kelp outside slip stream - surfaced just before passing Holly, then we last saw it surface near the stick - mother had white spot on her back</i> | | |
| | 10:03:00 PDT 17:03-GMT | Blow Position: 114° / 1403 m Direction: West; Behavior: Slow travel | |
| | 10:08:00 PDT 17:08-GMT | Blow Position: 129° / 778 m Direction: West; Behavior: Slow travel | |
| | 10:11:00 PDT 17:11-GMT | Body Position: 156° / 600 m Direction: West; Behavior: Slow travel | |
| | 10:16:00 PDT 17:16-GMT | Body Position: 220° / 508 m Direction: West; Behavior: Slow travel | |
| 10:21:00 PDT 17:21-GMT | Body Position: 266° / 778 m Direction: West; Behavior: Slow travel | Inside | |
| Sighting Number | 07 | Poor - 0 | Total 1 — 0 Calves at sighting |
| Images: 3986-4000 | 10:23:00 PDT 17:23-GMT | — / Blow Position: 107° / 2260 m Direction: West; Behavior: Slow travel • Fluke | |
| | 10:27:00 PDT 17:27-GMT | Blow Position: 108° / 1922 m Direction: West; Behavior: Slow travel • Fluke | |
| | 10:31:00 PDT 17:31-GMT | Blow Position: 114° / 1483 m Direction: West; Behavior: Slow travel • Fluke | |
| | 10:35:00 PDT 17:35-GMT | Blow Position: 134° / 550 m Direction: West; Behavior: Slow travel | |
| | 10:38:00 PDT 17:38-GMT | Blow Position: 159° / 600 m Direction: West; Behavior: Slow travel • Fluke | |
| | 10:44:00 PDT 17:44-GMT | Blow Position: 219° / 661 m Direction: West; Behavior: Slow travel • Fluke | |
| | 10:51:00 PDT 17:51-GMT | Blow Position: 267° / 600 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 11 | Poor - 1 | Total 4 — 2 Calves at sighting |
| Images: 4003-73 | 11:11:00 PDT 18:11-GMT | — / Blow Position: 99° / 2749 m Direction: West; Behavior: Slow travel | |
| | 11:17:00 PDT 18:17-GMT | Blow Position: 103° / 2749 m Direction: West; Behavior: Slow travel | |
| | 11:24:00 PDT 18:24-GMT | Blow Position: 104° / 2749 m Direction: West; Behavior: Slow travel | |
| | 11:56:00 PDT 18:56-GMT | Blow Position: 128° / 827 m Direction: West; Behavior: Slow travel • Spyhop | |
| | 12:02:00 PDT 19:02-GMT | Blow Position: 132° / 735 m Direction: West; Behavior: Slow travel • Rolling | |
| | 12:08:00 PDT 19:08-GMT | Body Position: 173° / 574 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|-------------------------|-------------------|--|------------------------------|
| | 12:12:00 PDT | Body | |
| | 19:12-GMT | Position: 215° / 412 m Direction: West; Behavior: Slow travel | |
| | 12:16:00 PDT | Body | Inside |
| | 19:16-GMT | Position: 252° / 661 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 17 | Poor - 2 | Total 2 — 1 Calf at sighting |
| Images: none | 15:14:00 PDT | — / Body | |
| | 22:14-GMT | Position: 214° / 489 m Direction: West; Behavior: Slow travel | |
| | | <i>surfaced together a number of times. First sighted just past Point - saw cow twice, then calf - calf on left side then switched</i> | |
| | 15:16:00 PDT | Body | |
| | 22:16-GMT | Position: 236° / 600 m Direction: West; Behavior: Slow travel | |
| | 15:17:00 PDT | Blow | |
| | 22:17-GMT | Position: 243° / 600 m Direction: West; Behavior: Slow travel | |
| | 15:18:00 PDT | Blow | |
| | 22:18-GMT | Position: 250° / 629 m Direction: West; Behavior: Slow travel | |
| | 15:21:00 PDT | Body | Inside |
| | 22:21-GMT | Position: 261° / 883 m Direction: West; Behavior: Slow travel | |
| Apr 25 | Total 19 Calves 9 | Gray whale (northbound) | |
| Day 74 of 98 | | | |
| Sighting Number | 12 | Fair - 1 | Total 2 — 1 Calf at sighting |
| Images: 4109-23 | 10:55:00 PDT | — / Body | |
| | 17:55-GMT | Position: 99° / 3088 m Direction: West; Behavior: Slow travel | |
| | 11:00:00 PDT | Blow | |
| | 18:00-GMT | Position: 103° / 3088 m Direction: West; Behavior: Slow travel | |
| | 11:05:00 PDT | Blow | |
| | 18:05-GMT | Position: 108° / 2260 m Direction: West; Behavior: Slow travel | |
| | 11:08:00 PDT | Body | |
| | 18:08-GMT | Position: 116° / 1483 m Direction: West; Behavior: Slow travel | |
| | 11:16:00 PDT | Body | |
| | 18:16-GMT | Position: 149° / 827 m Direction: West; Behavior: Slow travel | |
| | 11:17:00 PDT | Body | |
| | 18:17-GMT | Position: 173° / 600 m Direction: West; Behavior: Slow travel | |
| | 11:18:00 PDT | Body | |
| | 18:18-GMT | Position: 184° / 574 m Direction: West; Behavior: Slow travel | |
| | 11:26:00 PDT | Body | Inside |
| | 18:26-GMT | Position: 276° / 1020 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 15 | Fair - 1 | Total 2 — 1 Calf at sighting |
| Images: 4135-79, 4181-2 | 11:24:00 PDT | — / Blow | |
| | 18:24-GMT | Position: 118° / 913 m Direction: West; Behavior: Slow travel | |
| | 11:27:00 PDT | Body | |
| | 18:27-GMT | Position: 136° / 778 m Direction: West; Behavior: Slow travel | |
| | 11:28:00 PDT | Body | |
| | 18:28-GMT | Position: 144° / 600 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | Time | CueTip / Saw | Route Past Holly |
|--------------------------|------------------|--------------|--|------------------|
| | | 11:29:00 PDT | Body | |
| | | 18:29-GMT | Position: 157° / 574 m Direction: West; Behavior: Slow travel | |
| | | 11:32:00 PDT | Body | |
| | | 18:32-GMT | Position: 179° / 574 m Direction: West; Behavior: Slow travel | |
| | | 11:33:00 PDT | Body | |
| | | 18:33-GMT | Position: 193° / 574 m Direction: West; Behavior: Slow travel | |
| | | 11:38:00 PDT | Body | Inside |
| | | 18:38-GMT | Position: 249° / 600 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 16 | Fair - 1 | Total 1 — 0 Calves at sighting | |
| | | 11:43:00 PDT | — / Blow | |
| | | 18:43-GMT | Position: 106° / 2749 m Direction: West; Behavior: Slow travel | |
| | | 11:56:00 PDT | Blow | |
| | | 18:56-GMT | Position: 108° / 2260 m Direction: West; Behavior: Slow travel | |
| | | 12:01:00 PDT | Blow | |
| | | 19:01-GMT | Position: 113° / 2260 m Direction: West; Behavior: Slow travel | |
| | | 12:05:00 PDT | Blow | |
| | | 19:05-GMT | Position: 120° / 1403 m Direction: West; Behavior: Slow travel | |
| | | 12:13:00 PDT | Blow | |
| | | 19:13-GMT | Position: 146° / 883 m Direction: West; Behavior: Slow travel | |
| | | 12:19:00 PDT | Blow | Inside |
| | | 19:19-GMT | Position: 228° / 661 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 19 | Fair - 1 | Total 2 — 1 Calf at sighting | |
| Images: none | | 12:37:00 PDT | — / Blow | |
| | | 19:37-GMT | Position: 103° / 2749 m Direction: West; Behavior: Slow travel | |
| | | 12:39:00 PDT | Blow | |
| | | 19:39-GMT | Position: 103° / 2749 m Direction: West; Behavior: Slow travel | |
| | | 12:46:00 PDT | Blow | |
| | | 19:46-GMT | Position: 107° / 1922 m Direction: West; Behavior: Slow travel | |
| | | 12:49:00 PDT | Blow | |
| | | 19:49-GMT | Position: 107° / 1922 m Direction: West; Behavior: Slow travel | |
| | | 12:53:00 PDT | Blow | |
| | | 19:53-GMT | Position: 110° / 1674 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 20 | Fair - 1 | Total 2 — 1 Calf at sighting | |
| Images: 4191-98, 4210-13 | | 12:38:00 PDT | — / Body | |
| | | 19:38-GMT | Position: 99° / m Direction: West; Behavior: Slow travel | |
| | | 12:45:00 PDT | Blow | |
| | | 19:45-GMT | Position: 102° / 2749 m Direction: West; Behavior: Slow travel | |
| | | 12:58:00 PDT | Blow | |
| | | 19:58-GMT | Position: 114° / 1331 m Direction: West; Behavior: Slow travel | |
| | | 13:04:00 PDT | Body | |
| | | 20:04-GMT | Position: 128° / 778 m Direction: West; Behavior: Slow travel | |
| | | 13:07:00 PDT | Blow | |
| | | 20:07-GMT | Position: 144° / 600 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|----------------------------|-------------------------------------|---|--------------------------------|
| | 13:09:00 PDT 20:09-GMT | Body Position: 160° / 629 m Direction: West; Behavior: Slow travel | |
| | 13:14:00 PDT 20:14-GMT | Body Position: 206° / 412 m Direction: West; Behavior: Slow travel | |
| | 13:16:00 PDT 20:16-GMT | Blow Position: 229° / 489 m Direction: West; Behavior: Slow travel | |
| | 13:19:00 PDT 20:19-GMT | Body Position: 259° / 600 m Direction: West; Behavior: Slow travel | |
| | 13:21:00 PDT 20:21-GMT | Body Position: 274° / 778 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 21 | Fair - 1 | Total 4 — 2 Calves at sighting |
| Images: 4199-4209, 4215-34 | 13:08:00 PDT 20:08-GMT | — / Body Position: 124° / 629 m Direction: West; Behavior: Slow travel | |
| | 13:10:00 PDT 20:10-GMT | Body Position: 131° / 629 m Direction: West; Behavior: Slow travel <i>through slip stream</i> | |
| | 13:13:00 PDT 20:13-GMT | Body Position: 134° / 508 m Direction: West; Behavior: Slow travel | |
| | 13:20:00 PDT 20:20-GMT | Body Position: 229° / 489 m Direction: West; Behavior: Slow travel | |
| | 13:24:00 PDT 20:24-GMT | Blow Position: 273° / 600 m Direction: West; Behavior: Slow travel <i>inside stick</i> | |
| | 13:26:00 PDT 20:26-GMT | Body Position: 280° / 600 m Direction: West; Behavior: Slow travel <i>with dolphins and sea lions</i> | Inside |
| Sighting Number | 34 | Fair - 3 | Total 2 — 1 Calf at sighting |
| Images: 4258-4299 | 16:37:00 PDT 23:37-GMT | — / Blow Position: 108° / 253 m Direction: West; Behavior: Slow travel | |
| | 16:43:00 PDT 23:43-GMT | Body Position: 109° / 1331 m Direction: West; Behavior: Slow travel | |
| | 16:49:00 PDT 23:49-GMT | Blow Position: 126° / 778 m Direction: West; Behavior: Slow travel | |
| | 16:56:00 PDT 23:56-GMT | Body Position: 159° / 314 m Direction: West; Behavior: Slow travel | |
| | 16:57:00 PDT 23:57-GMT | Blow Position: 184° / 356 m Direction: West; Behavior: Slow travel | |
| | 17:02:00 PDT 00:2; 4/26/2013-GMT | Blow Position: 244° / 661 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 35 | Fair - 3 | Total 2 — 1 Calf at sighting |
| Images: 4301-30 | 16:51:00 PDT 23:51-GMT | — / Blow Position: 104° / 2260 m Direction: West; Behavior: Slow travel | |
| | 17:02:00 PDT 00:2; 4/26/2013-GMT | Blow Position: 108° / 1331 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|-------------------|-------------------------------------|---|--------------------------------|
| | 17:08:00 PDT 0:08; 4/26/2013-GMT | Body Position: 131° / 600 m Direction: West; Behavior: Slow travel | |
| | 17:12:00 PDT 0:12; 4/26/2013-GMT | Blow Position: 158° / 600 m Direction: West; Behavior: Slow travel | |
| | 17:14:00 PDT 0:14; 4/26/2013-GMT | Blow Position: 179° / 489 m Direction: West; Behavior: Slow travel | |
| | 17:17:00 PDT 0:17; 4/26/2013-GMT | Body Position: 209° / 356 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 36 | Fair - 3 | Total 2 — 1 Calf at sighting |
| Images: 4333-46 | 17:21:00 PDT 0:21; 4/26/2013-GMT | — / Blow Position: 104° / 2749 m Direction: West; Behavior: Slow travel | |
| | 17:25:00 PDT 0:25; 4/26/2013-GMT | Blow Position: 104° / 2260 m Direction: West; Behavior: Slow travel | |
| | 17:29:00 PDT 0:29; 4/26/2013-GMT | Blow Position: 105° / 1922 m Direction: West; Behavior: Slow travel | |
| | 17:31:00 PDT 0:31; 4/26/2013-GMT | Blow Position: 107° / 1922 m Direction: West; Behavior: Slow travel | |
| | 17:40:00 PDT 0:40; 4/26/2013-GMT | Blow Position: 118° / 883 m Direction: West; Behavior: Slow travel | |
| | 17:46:00 PDT 0:46; 4/26/2013-GMT | Body Position: 159° / 600 m Direction: West; Behavior: Slow travel | |
| | 17:50:00 PDT 0:50; 4/26/2013-GMT | Body Position: 190° / 388 m Direction: West; Behavior: Slow travel | |
| | 17:51:00 PDT 0:51; 4/26/2013-GMT | Body Position: 219° / 388 m Direction: West; Behavior: Slow travel | Inside |
| Apr 26 | Total 11 Calves 4 | Gray whale (northbound) | |
| Day 75 of 98 | | | |
| Sighting Number | 02 | Good - 0 | Total 2 — 0 Calves at sighting |
| | 9:03:00 PDT 16:03-GMT | — / Blow Position: 112° / 2260 m Direction: West; Behavior: Slow travel • Fluke | |
| | 9:12:00 PDT 16:12-GMT | Blow Position: 126° / 1922 m Direction: West; Behavior: Slow travel • Fluke | |
| | 9:20:00 PDT 16:20-GMT | Blow Position: 142° / 1331 m Direction: West; Behavior: Slow travel • Fluke | |
| | 9:25:00 PDT 16:25-GMT | Body Position: 168° / 883 m Direction: West; Behavior: Slow travel | |
| | 9:39:00 PDT 16:39-GMT | Body Position: 261° / 913 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 05 | Good - 0 | Total 2 — 1 Calf at sighting |
| Images: 4347-4402 | 9:43:00 PDT 16:43-GMT | — / Blow Position: 108° / 1483 m Direction: West; Behavior: Slow travel | |
| | | <i>saw outside of kelp near slip stream - entered slip stream - showed a lot of their backs - small white spot on calf - surfaced more frequently in the slip stream - traveled along the kelp to Elwood, traveling inside the stick.</i> | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | Cue/Tip / Saw | Route Past Holly |
|---------------------------|---------------------------|---|------------------|
| | 9:46:00 PDT 16:46-GMT | Blow Position: 108° / 1208 m Direction: West; Behavior: Slow travel | |
| | 9:49:00 PDT 16:49-GMT | Blow Position: 110° / 946 m Direction: West; Behavior: Slow travel | |
| | 9:54:00 PDT 16:54-GMT | Blow Position: 124° / 678 m Direction: West; Behavior: Slow travel | |
| | 9:58:00 PDT 16:58-GMT | Blow Position: 144° / 412 m Direction: West; Behavior: Slow travel | |
| | 10:00:00 PDT 17:00-GMT | Blow Position: 185° / 356 m Direction: West; Behavior: Slow travel | |
| | 10:02:00 PDT 17:02-GMT | Blow Position: 221° / 382 m Direction: West; Behavior: Slow travel | |
| | 10:07:00 PDT 17:07-GMT | Body Position: 248° / 661 m Direction: West; Behavior: Slow travel | |
| | 10:10:00 PDT 17:10-GMT | Body Position: 278° / 778 m Direction: West; Behavior: Slow travel | |
| | 10:15:00 PDT 17:15-GMT | Blow Position: 292° / 1208 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number 06 | Good - 0 | Total 2 — 1 Calf at sighting | |
| Images: 4404-6 | 10:38:00 PDT 17:38-GMT | — / Body Position: 146° / 678 m Direction: West; Behavior: Slow travel <i>saw outside the kelp outside of slip stream traveling slowly - mother's big blow followed by her back and the calf's head then blow and back. This pair was difficult to track and was not seen again for a while - did not spend much time surfacing. Saw make a turn around Sands kelp - traveled toward Ellwood inside the stick</i> | |
| | 10:47:00 PDT 17:47-GMT | Body Position: 144° / 661 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number 10 | Good - 0 | Total 2 — 1 Calf at sighting | |
| Images: 4421-4443 | 11:09:00 PDT 18:09-GMT | — / Blow Position: 102° / 3088 m Direction: West; Behavior: Slow travel <i>first seen outside IV kelp - they surfaced a few times, then we did not see them again until they were in front of us. We last saw them a little past Holly - didn't show much when they surfaced.</i> | |
| | 11:14:00 PDT 18:14-GMT | Blow Position: 104° / 3088 m Direction: West; Behavior: Slow travel | |
| | 11:21:00 PDT 18:21-GMT | Blow Position: 107° / 3088 m Direction: West; Behavior: Slow travel | |
| | 11:24:00 PDT 18:24-GMT | Blow Position: 111° / 1674 m Direction: West; Behavior: Slow travel | |
| | 11:32:00 PDT 18:32-GMT | Blow Position: 110° / 1483 m Direction: West; Behavior: Slow travel | |
| | 11:41:00 PDT 18:41-GMT | Blow Position: 159° / 661 m Direction: West; Behavior: Slow travel | |
| | 11:46:00 PDT 18:46-GMT | Blow Position: 214° / 550 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|-------------------|-------------------|--|--------------------------------|
| | 11:52:00 PDT | Blow | Inside |
| | 18:52-GMT | Position: 266° / 946 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 18 | Good - 3 | Total 2 — 1 Calf at sighting |
| Images: 4445-4454 | 12:29:00 PDT | — / Blow | |
| | 19:29-GMT | Position: 110° / 1674 m Direction: West; Behavior: Slow travel | |
| | | <i>Saw inside Campus Point - direct slowly approached - with blows - calf would surface most often with cow, then a peak after. Both low profile- hard to see.</i> | |
| | 12:33:00 PDT | Blow | |
| | 19:33-GMT | Position: 111° / 1403 m Direction: West; Behavior: Slow travel | |
| | 12:36:00 PDT | Blow | |
| | 19:36-GMT | Position: 115° / 827 m Direction: West; Behavior: Slow travel | |
| | 12:40:00 PDT | Body | |
| | 19:40-GMT | Position: 144° / 600 m Direction: West; Behavior: Slow travel | |
| | 12:43:00 PDT | Blow | |
| | 19:43-GMT | Position: 162° / 629 m Direction: West; Behavior: Slow travel | |
| | 12:45:00 PDT | Body | |
| | 19:45-GMT | Position: 182° / 550 m Direction: West; Behavior: Slow travel | |
| | 12:47:00 PDT | Body | |
| | 19:47-GMT | Position: 206° / 550 m Direction: West; Behavior: Slow travel | |
| | 12:51:00 PDT | Blow | Inside |
| | 19:51-GMT | Position: 255° / 696 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 20 | Good - 3 | Total 1 — 0 Calves at sighting |
| | 13:23:00 PDT | Phone / Blow | |
| | 20:23-GMT | Position: 198° / 1922 m Direction: West; Behavior: Slow travel | |
| | 13:25:00 PDT | Body | |
| | 20:25-GMT | Position: 203° / 2260 m Direction: West; Behavior: Slow travel | |
| Apr 27 | Total 12 Calves 5 | Gray whale (northbound) | |
| Day 76 of 98 | | | |
| Sighting Number | 04 | Fair - 2 | Total 2 — 1 Calf at sighting |
| Images: 4470-4512 | 9:58:00 PDT | — / Blow | |
| | 16:58-GMT | Position: 103° / 2749 m Direction: West; Behavior: Slow travel | |
| | 10:04:00 PDT | Blow | |
| | 17:04-GMT | Position: 105° / 2749 m Direction: West; Behavior: Slow travel • Fluke | |
| | 10:07:00 PDT | Blow | |
| | 17:07-GMT | Position: 105° / 2749 m Direction: West; Behavior: Slow travel | |
| | 10:12:00 PDT | Blow | |
| | 17:12-GMT | Position: 110° / 2260 m Direction: West; Behavior: Slow travel • Fluke | |
| | 10:18:00 PDT | Body | |
| | 17:18-GMT | Position: 114° / 1674 m Direction: West; Behavior: Slow travel | |
| | 10:23:00 PDT | Body | |
| | 17:23-GMT | Position: 122° / 1331 m Direction: West; Behavior: Slow travel | |
| | 10:28:00 PDT | Body | |
| | 17:28-GMT | Position: 145° / 661 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | Cue/Tip / Saw | Route Past Holly |
|-------------------|---------------------------|--|--------------------------------|
| | 10:31:00 PDT 17:31-GMT | Body Position: 158° / 629 m Direction: West; Behavior: Slow travel | |
| | 10:32:00 PDT 17:32-GMT | Body Position: 171° / 600 m Direction: West; Behavior: Slow travel | |
| | 10:34:00 PDT 17:34-GMT | Body Position: 190° / 550 m Direction: West; Behavior: Slow travel | |
| | 10:37:00 PDT 17:37-GMT | Body Position: 226° / m Direction: West; Behavior: Slow travel | |
| | 10:39:00 PDT 17:39-GMT | Body Position: 247° / 661 m Direction: West; Behavior: Slow travel | |
| | 10:42:00 PDT 17:42-GMT | Blow Position: 267° / 913 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 06 | Fair - 2 | Total 1 — 0 Calves at sighting |
| | 10:27:00 PDT 17:27-GMT | — / Body Position: 180° / 1331 m Direction: West; Behavior: Slow travel • Fluke | |
| | 10:31:00 PDT 17:31-GMT | Body Position: 205° / 1020 m Direction: West; Behavior: Slow travel | |
| | 10:39:00 PDT 17:39-GMT | Blow Position: 250° / 1483 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 08 | Fair - 2 | Total 4 — 2 Calves at sighting |
| Images: 4514-4559 | 10:41:00 PDT 17:41-GMT | — / Body Position: 107° / 2260 m Direction: West; Behavior: Slow travel • Breach <i>started with breach at Campus Point - new SUP - Paddler and kayak chased whales - 4 whales moved in zig-zag course toward kelp as Tt joined whales - same dolphins that were with first pair of whales (sighting 4). Came around kelp outside slip stream, then disappeared across Counter Point. Found just outside kelp at Sands/ Ellwood.</i> | |
| | 10:43:00 PDT 17:43-GMT | Blow Position: 108° / 2260 m Direction: West; Behavior: Slow travel | |
| | 10:45:00 PDT 17:45-GMT | Blow Position: 109° / 2260 m Direction: West; Behavior: Slow travel | |
| | 10:51:00 PDT 17:51-GMT | Blow Position: 112° / 1674 m Direction: West; Behavior: Slow travel | |
| | 10:53:00 PDT 17:53-GMT | Blow Position: 109° / 1403 m Direction: West; Behavior: Slow travel <i>with dolphins #7</i> | |
| | 10:56:00 PDT 17:56-GMT | Blow Position: 111° / 1208 m Direction: West; Behavior: Slow travel | |
| | 11:00:00 PDT 18:00-GMT | Blow Position: 118° / 1020 m Direction: West; Behavior: Slow travel | |
| | 11:03:00 PDT 18:03-GMT | Blow Position: 137° / 661 m Direction: West; Behavior: Slow travel | |
| | 11:14:00 PDT 18:14-GMT | Blow Position: 212° / 377 m Direction: West; Behavior: Slow travel | |
| | 11:21:00 PDT 18:21-GMT | Blow Position: 290° / 778 m Direction: West; Behavior: Slow travel | Inside |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|-------------------|---------------------------|---|--------------------------------|
| Sighting Number | 12 | Fair - 3 | Total 1 — 0 Calves at sighting |
| Images: none | 12:12:00 PDT 19:12-GMT | — / Blow Position: 104° / 2749 m Direction: West; Behavior: Slow travel | |
| | 12:15:00 PDT 19:15-GMT | Blow Position: 105° / 2260 m Direction: West; Behavior: Slow travel | |
| | 12:23:00 PDT 19:23-GMT | Blow Position: 108° / 1922 m Direction: West; Behavior: Slow travel | |
| | 12:27:00 PDT 19:27-GMT | Blow Position: 111° / 1331 m Direction: West; Behavior: Slow travel | |
| | 12:30:00 PDT 19:30-GMT | Blow Position: 114° / 1106 m Direction: West; Behavior: Slow travel | |
| | 12:36:00 PDT 19:36-GMT | Blow Position: 134° / 489 m Direction: West; Behavior: Slow travel | |
| | 12:38:00 PDT 19:38-GMT | Blow Position: 171° / 356 m Direction: West; Behavior: Slow travel | |
| | 12:40:00 PDT 19:40-GMT | Blow Position: 221° / 356 m Direction: West; Behavior: Slow travel | |
| | 12:44:00 PDT 19:44-GMT | Blow Position: 249° / 600 m Direction: West; Behavior: Slow travel | |
| | 12:48:00 PDT 19:48-GMT | Blow Position: 285° / 735 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 15 | Fair - 3 | Total 2 — 1 Calf at sighting |
| Images: 4538-4604 | 13:05:00 PDT 20:05-GMT | Boat / Blow Position: 97° / 3088 m Direction: West; Behavior: Slow travel <i>We first saw them past Campus Point by the Condor (#16). The Condor approached them from the rear first and then the side. They traveled outside the IV kelp and two vessels converged near the whales (20 & 21) the Guilty approached from the rear but did not seem to know the whales were there. As the boats were nearing the whales path the whales had longer down times. After the whales surfaced again we saw dolphins swimming in front of them. The whales continued to travel outside the kelp surfacing regularly. We last saw them traveling outside the stick.</i> | |
| | 13:09:00 PDT 20:09-GMT | Blow Position: 100° / 3088 m Direction: West; Behavior: Slow travel | |
| | 13:13:00 PDT 20:13-GMT | Blow Position: 102° / 2749 m Direction: West; Behavior: Slow travel | |
| | 13:16:00 PDT 20:16-GMT | Blow Position: 104° / 2749 m Direction: West; Behavior: Slow travel | |
| | 13:22:00 PDT 20:22-GMT | Blow Position: 110° / 1922 m Direction: West; Behavior: Slow travel | |
| | 13:27:00 PDT 20:27-GMT | Blow Position: 117° / 1483 m Direction: West; Behavior: Slow travel | |
| | 13:33:00 PDT 20:33-GMT | Blow Position: 133° / 735 m Direction: West; Behavior: Slow travel | |
| | 13:37:00 PDT 20:37-GMT | Blow Position: 174° / 574 m Direction: West; Behavior: Slow travel | |
| | 13:43:00 PDT 20:43-GMT | Blow Position: 244° / 735 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|---------------------------|---------------------|---|------------------|
| | 13:49:00 PDT | Blow | Inside |
| | 20:49-GMT | Position: 277° / 1483 m Direction: West; Behavior: Slow travel | |
| Sighting Number 31 | Poor - 3 | Total 2 — 1 Calf at sighting | |
| Images: 4605-26 | 16:21:00 PDT | — / Blow | |
| | 23:21-GMT | Position: 99° / 2749 m Direction: West; Behavior: Slow travel | |
| | 16:35:00 PDT | Blow | |
| | 23:35-GMT | Position: 104° / 2260 m Direction: West; Behavior: Slow travel | |
| | 16:40:00 PDT | Blow | |
| | 23:40-GMT | Position: 108° / 2260 m Direction: West; Behavior: Slow travel | |
| | 16:42:00 PDT | Blow | |
| | 23:42-GMT | Position: 105° / 1674 m Direction: West; Behavior: Slow travel | |
| | 16:45:00 PDT | Blow | |
| | 23:45-GMT | Position: 106° / 1674 m Direction: West; Behavior: Slow travel | |
| | 16:49:00 PDT | Blow | |
| | 23:49-GMT | Position: 110° / 913 m Direction: West; Behavior: Slow travel | |
| | 16:55:00 PDT | Body | |
| | 23:55-GMT | Position: 129° / 600 m Direction: West; Behavior: Slow travel | |
| | 16:58:00 PDT | Blow | |
| | 23:58-GMT | Position: 150° / 661 m Direction: West; Behavior: Slow travel • Rolling <i>calf rolled- calf on cow's back</i> | |
| | 17:00:00 PDT | Body | |
| | 0:00; 4/28/2013-GMT | Position: 169° / 539 m Direction: West; Behavior: Slow travel | |
| | 17:01:00 PDT | Body | |
| | 0:01; 4/28/2013-GMT | Position: 180° / 539 m Direction: West; Behavior: Slow travel | |
| | 17:06:00 PDT | Blow | Inside |
| | 0:06; 4/28/2013-GMT | Position: 236° / 489 m Direction: West; Behavior: Slow travel | |

Apr 28 Total 22 Calves 11
Day 77 of 98

Gray whale (northbound)

| | | |
|---------------------------|-------------|--|
| Sighting Number 03 | Fair - 2 | Total 2 — 1 Calf at sighting |
| Images: 4632-77 | 9:11:00 PDT | — / Blow |
| | 16:11-GMT | Position: 139° / 539 m Direction: West; Behavior: Slow travel • Spyhop <i>We saw them outside the kelp in front of us and they were staying in the same place for a while. We saw the calf spyhopping and swimming around. They then resumed travel, moving along the kelp. When they reached the stick, they turned around and traveled east for 5-10 minutes, and we saw the calf surface inside the kelp. They then turned back around and traveled inside the stick. As they were traveling, the calf stuck its head out of the water several times. The mother, however, showed very little.</i> |
| | 9:16:00 PDT | Blow |
| | 16:16-GMT | Position: 154° / 600 m Direction: West; Behavior: Slow travel |
| | 9:18:00 PDT | Body |
| | 16:18-GMT | Position: 174° / 600 m Direction: West; Behavior: Slow travel |
| | 9:22:00 PDT | Body |
| | 16:22-GMT | Position: 229° / 600 m Direction: West; Behavior: Slow travel |
| | 9:26:00 PDT | Body |
| | 16:26-GMT | Position: 256° / 661 m Direction: West; Behavior: Slow travel |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|-------------------|------------------|---|--------------------------------|
| | 9:28:00 PDT | Body | |
| | 16:28-GMT | Position: 269° / 600 m Direction: East; Behavior: Slow travel | |
| | 9:35:00 PDT | Body | |
| | 16:35-GMT | Position: 259° / 539 m Direction: East; Behavior: Slow travel | |
| | 9:40:00 PDT | Body | Inside |
| | 16:40-GMT | Position: 263° / 539 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 04 | Fair - 2 | Total 2 — 1 Calf at sighting |
| Images: 4679-4702 | 9:37:00 PDT | — / Blow | |
| | 16:37-GMT | Position: 119° / 1483 m Direction: West; Behavior: Slow travel | |
| | | <i>Far outside the kelp then came just outside kelp in front of us. Both moved inside the kelp in front of us and we saw both bodies at the same time. Continued moving west outside of kelp and we saw both bodies surfacing barely many times. Lost them before the stick. Boat traveled well outside of them between Holly and kelp. Boat sighting #5.</i> | |
| | 9:44:00 PDT | Blow | |
| | 16:44-GMT | Position: 146° / 913 m Direction: West; Behavior: Slow travel | |
| | 9:50:00 PDT | Body | |
| | 16:50-GMT | Position: 185° / 539 m Direction: West; Behavior: Slow travel | |
| | 9:54:00 PDT | Body | |
| | 16:54-GMT | Position: 204° / 489 m Direction: West; Behavior: Slow travel | |
| | 10:00:00 PDT | Body | Inside |
| | 17:00-GMT | Position: 246° / 678 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 09 | Poor - 1 | Total 4 — 2 Calves at sighting |
| Images: 4704-870 | 11:47:00 PDT | — / Blow | |
| | 18:47-GMT | Position: 100° / 3088 m Direction: West; Behavior: Slow travel • Rolling • Breach | |
| | 12:04:00 PDT | Blow | |
| | 19:04-GMT | Position: 108° / 2749 m Direction: West; Behavior: Slow travel | |
| | | <i>inside of kelp</i> | |
| | 12:14:00 PDT | Blow | |
| | 19:14-GMT | Position: 107° / 1403 m Direction: West; Behavior: Slow travel | |
| | 12:20:00 PDT | Body | |
| | 19:20-GMT | Position: 115° / 913 m Direction: West; Behavior: Slow travel | |
| | 12:24:00 PDT | Blow | |
| | 19:24-GMT | Position: 124° / 778 m Direction: West; Behavior: Slow travel | |
| | 12:29:00 PDT | Body | |
| | 19:29-GMT | Position: 139° / 678 m Direction: West; Behavior: Slow travel | |
| | | <i>outside of slip stream</i> | |
| | 12:32:00 PDT | Body | |
| | 19:32-GMT | Position: 156° / 600 m Direction: West; Behavior: Slow travel | |
| | 12:34:00 PDT | Body | |
| | 19:34-GMT | Position: 175° / 600 m Direction: West; Behavior: Slow travel | |
| | 12:36:00 PDT | Body | |
| | 19:36-GMT | Position: 199° / 412 m Direction: West; Behavior: Slow travel | |
| | 12:37:00 PDT | Body | |
| | 19:37-GMT | Position: 218° / 382 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|-------------------|---------------------------|--|--------------------------------|
| | 12:42:00 PDT 19:42-GMT | Body Position: 224° / 447 m Direction: West; Behavior: Slow travel | |
| | 12:46:00 PDT 19:46-GMT | Blow Position: 264° / 600 m Direction: West; Behavior: Slow travel | Inside |
| | | <i>Inside of the stick</i> | |
| Sighting Number | 10 | Poor - 1 | Total 2 — 1 Calf at sighting |
| Images: 4873-4911 | 11:55:00 PDT 18:55-GMT | — / Blow Position: 100° / 3088 m Direction: West; Behavior: Slow travel | |
| | 12:10:00 PDT 19:10-GMT | Body Position: 104° / 3088 m Direction: West; Behavior: Slow travel | |
| | | <i>outside of kelp</i> | |
| | 12:15:00 PDT 19:15-GMT | Blow Position: 109° / 2260 m Direction: West; Behavior: Slow travel | |
| | 12:22:00 PDT 19:22-GMT | Blow Position: 111° / 1674 m Direction: West; Behavior: Slow travel | |
| | 12:24:00 PDT 19:24-GMT | Blow Position: 115° / 1483 m Direction: West; Behavior: Slow travel • Rolling | |
| | 12:29:00 PDT 19:29-GMT | Blow Position: 120° / 1331 m Direction: West; Behavior: Slow travel | |
| | 12:34:00 PDT 19:34-GMT | Blow Position: 126° / 913 m Direction: West; Behavior: Slow travel | |
| | 12:38:00 PDT 19:38-GMT | Blow Position: 140° / 600 m Direction: West; Behavior: Slow travel | |
| | 12:41:00 PDT 19:41-GMT | Blow Position: 161° / 600 m Direction: West; Behavior: Slow travel | |
| | 12:43:00 PDT 19:43-GMT | Blow Position: 179° / 600 m Direction: West; Behavior: Slow travel | |
| | 12:45:00 PDT 19:45-GMT | Blow Position: 194° / 600 m Direction: West; Behavior: Slow travel | |
| | 12:51:00 PDT 19:51-GMT | Body Position: 233° / 539 m Direction: West; Behavior: Slow travel | |
| | 12:54:00 PDT 19:54-GMT | Body Position: 248° / 600 m Direction: West; Behavior: Slow travel | |
| | 12:56:00 PDT 19:56-GMT | Blow Position: 265° / 600 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 17 | Poor - 1 | Total 4 — 2 Calves at sighting |
| Images: 4941-5008 | 15:04:00 PDT 22:04-GMT | — / Blow Position: 100° / 3088 m Direction: West; Behavior: Slow travel | |
| | 15:08:00 PDT 22:08-GMT | Blow Position: 100° / 3088 m Direction: West; Behavior: Slow travel | |
| | 15:13:00 PDT 22:13-GMT | Blow Position: 102° / 3088 m Direction: West; Behavior: Slow travel | |
| | 15:20:00 PDT 22:20-GMT | Blow Position: 102° / 2749 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|-----------------------|------------------|---|--|
| | 15:25:00 PDT | Blow | |
| | 22:25-GMT | Position: 103° / 2260 m Direction: West; Behavior: Slow travel | |
| | 15:31:00 PDT | Blow | |
| | 22:31-GMT | Position: 104° / 2260 m Direction: West; Behavior: Slow travel | |
| | 15:41:00 PDT | Blow | |
| | 22:41-GMT | Position: 106° / 1922 m Direction: West; Behavior: Slow travel | |
| | 15:45:00 PDT | Blow | |
| | 22:45-GMT | Position: 109° / 1403 m Direction: West; Behavior: Slow travel | |
| | 15:52:00 PDT | Blow | |
| | 22:52-GMT | Position: 115° / 913 m Direction: West; Behavior: Slow travel | |
| | 15:54:00 PDT | Blow | |
| | 22:54-GMT | Position: 125° / 629 m Direction: West; Behavior: Slow travel • Fluke | |
| | 15:57:00 PDT | Blow | |
| | 22:57-GMT | Position: 133° / 508 m Direction: West; Behavior: Slow travel | |
| | 16:00:00 PDT | Blow | |
| | 23:00-GMT | Position: 176° / 338 m Direction: West; Behavior: Slow travel | |
| | 16:02:00 PDT | Blow | |
| | 23:02-GMT | Position: 211° / 334 m Direction: West; Behavior: Slow travel | |
| | 16:05:00 PDT | Blow | Inside |
| | 23:05-GMT | Position: 231° / 489 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 19 | Poor - 1 | Total 2 — 1 Calf at sighting |
| Images: 4915-27, 4939 | | 15:17:00 PDT | — / Blow |
| | | 22:17-GMT | Position: 106° / 3088 m Direction: West; Behavior: Slow travel |
| | | 15:23:00 PDT | Blow |
| | | 22:23-GMT | Position: 109° / 3088 m Direction: West; Behavior: Slow travel |
| | | 15:28:00 PDT | Blow |
| | | 22:28-GMT | Position: 115° / 1922 m Direction: West; Behavior: Slow travel |
| | | 15:40:00 PDT | Blow |
| | | 22:40-GMT | Position: 157° / 696 m Direction: West; Behavior: Slow travel |
| | | 15:42:00 PDT | Blow |
| | | 22:42-GMT | Position: 189° / 629 m Direction: West; Behavior: Slow travel |
| | | 15:45:00 PDT | Blow |
| | | 22:45-GMT | Position: 216° / 661 m Direction: West; Behavior: Slow travel |
| Sighting Number | 20 | Poor - 2 | |
| | | 15:55:00 PDT | Blow |
| | | 22:55-GMT | Position: 178° / 539 m Direction: West; Behavior: Slow travel |
| | | 15:59:00 PDT | Blow |
| | | 22:59-GMT | Position: 204° / 489 m Direction: West; Behavior: Slow travel |
| | | 16:03:00 PDT | Blow |
| | | 23:03-GMT | Position: 234° / 489 m Direction: West; Behavior: Slow travel |
| Images: none | | 15:48:00 PDT | — / Blow |
| | | 22:48-GMT | Position: 115° / 1106 m Direction: West; Behavior: Slow travel |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | Cue/Tip / Saw | Route Past Holly |
|---|---------------------------|---|------------------|
| Sighting Number 21 | Poor - 2 | Total 4 — 2 Calves at sighting | |
| Images: 5010-53 | 15:52:00 PDT 22:52-GMT | — / Blow Position: 106° / 1674 m Direction: West; Behavior: Slow travel | |
| | 16:02:00 PDT 23:02-GMT | Blow Position: 110° / 913 m Direction: West; Behavior: Slow travel | |
| | 16:06:00 PDT 23:06-GMT | Blow Position: 124° / 678 m Direction: West; Behavior: Slow travel | |
| | 16:09:00 PDT 23:09-GMT | Blow Position: 144° / 600 m Direction: West; Behavior: Slow travel | |
| | 16:12:00 PDT 23:12-GMT | Blow Position: 163° / 600 m Direction: West; Behavior: Slow travel • Rolling | |
| | 16:14:00 PDT 23:14-GMT | Blow Position: 189° / 382 m Direction: West; Behavior: Slow travel | |
| | 16:17:00 PDT 23:17-GMT | Blow Position: 179° / 600 m Direction: West; Behavior: Slow travel | |
| | 16:19:00 PDT 23:19-GMT | Body Position: 191° / 412 m Direction: West; Behavior: Slow travel | |
| | 16:23:00 PDT 23:23-GMT | Body Position: 228° / 471 m Direction: West; Behavior: Slow travel | Inside |
| Apr 29 Total 15 Calves 6 Day 78 of 98 | Gray whale (northbound) | | |
| Sighting Number 05 | Poor - 1 | Total 1 — 0 Calves at sighting | |
| Images: none | 12:03:00 PDT 19:03-GMT | — / Body Position: 205° / 1922 m Direction: West; Behavior: Slow travel | |
| | 12:07:00 PDT 19:07-GMT | Blow Position: 218° / 1922 m Direction: West; Behavior: Slow travel | |
| | 12:11:00 PDT 19:11-GMT | Body Position: 229° / 1922 m Direction: West; Behavior: Slow travel | |
| | 12:14:00 PDT 19:14-GMT | Blow Position: 240° / 2260 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number 08 | Fair - 1 | Total 2 — 1 Calf at sighting | |
| Images: 5073-5103 | 13:37:00 PDT 20:37-GMT | — / Blow Position: 100° / 3088 m Direction: West; Behavior: Slow travel <i>very slow all the way especially in front of us. Did not surface much. Mom would surface first and then the calf would surface twice, almost every time.</i> | |
| | 13:45:00 PDT 20:45-GMT | Blow Position: 106° / 2749 m Direction: West; Behavior: Slow travel | |
| | 13:50:00 PDT 20:50-GMT | Blow Position: 110° / 1922 m Direction: West; Behavior: Slow travel | |
| | 13:55:00 PDT 20:55-GMT | Blow Position: 112° / 1403 m Direction: West; Behavior: Slow travel | |
| | 13:59:00 PDT 20:59-GMT | Blow Position: 116° / 1106 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|--------------|---------------------------|---|------------------|
| | 14:03:00 PDT 21:03-GMT | Blow Position: 128° / 913 m Direction: West; Behavior: Slow travel | |
| | 14:04:00 PDT 21:04-GMT | Body Position: 136° / 778 m Direction: West; Behavior: Slow travel | |
| | 14:07:00 PDT 21:07-GMT | Body Position: 157° / 778 m Direction: West; Behavior: Slow travel | |
| | 14:10:00 PDT 21:10-GMT | Body Position: 176° / 913 m Direction: West; Behavior: Slow travel | |
| | 14:15:00 PDT 21:15-GMT | Blow Position: 211° / 678 m Direction: West; Behavior: Slow travel | |
| | 14:19:00 PDT 21:19-GMT | Body Position: 254° / 678 m Direction: West; Behavior: Slow travel | |
| | 14:23:00 PDT 21:23-GMT | Blow Position: 274° / 946 m Direction: West; Behavior: Slow travel | Inside |
| | | <i>inside stick</i> | |

Sighting Number **12** Fair - 1 Total 2 — 1 Calf at sighting

Images: 5105-27, calf 5113-4 & 5117

| | | | |
|--|---------------------------|---|--|
| | 14:40:00 PDT 21:40-GMT | — / Body Position: 133° / 827 m Direction: West; Behavior: Slow travel | |
| | | <i>Calf not very evident. Saw twice, once between cow surfacing and once after. Cow fluked.</i> | |
| | 14:45:00 PDT 21:45-GMT | Body Position: 191° / 678 m Direction: West; Behavior: Slow travel | |
| | 14:46:00 PDT 21:46-GMT | Body Position: 199° / 678 m Direction: West; Behavior: Slow travel | |
| | 14:51:00 PDT 21:51-GMT | Blow Position: 256° / 678 m Direction: West; Behavior: Slow travel • Fluke | |
| | | <i>cow fluked</i> | |

Sighting Number **14** Poor - 1 Total 2 — 1 Calf at sighting

Images: 5129-65

| | | | |
|--|---------------------------|---|--|
| | 15:54:00 PDT 22:54-GMT | — / Blow Position: 111° / 1483 m Direction: West; Behavior: Slow travel | |
| | | <i>slow - slow - saw approaching IV kelp - calf at surface a lot - head up - circled cow outside kelp outside slip stream - slow past Point - not much surfacing until past Sands kelp.</i> | |
| | 16:01:00 PDT 23:01-GMT | Blow Position: 113° / 1331 m Direction: West; Behavior: Slow travel | |
| | 16:03:00 PDT 23:03-GMT | Blow Position: 116° / 1020 m Direction: West; Behavior: Slow travel | |
| | 16:07:00 PDT 23:07-GMT | Body Position: 130° / 600 m Direction: West; Behavior: Slow travel | |
| | 16:12:00 PDT 23:12-GMT | Body Position: 158° / 600 m Direction: West; Behavior: Slow travel | |
| | 16:16:00 PDT 23:16-GMT | Body Position: 199° / 600 m Direction: West; Behavior: Slow travel | |
| | 16:20:00 PDT 23:20-GMT | Body Position: 241° / 600 m Direction: West; Behavior: Slow travel | |
| | 16:24:00 PDT 23:24-GMT | Body Position: 269° / 1106 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | Cue/Tip / Saw | Route Past Holly |
|--------------------------|---|---|--------------------------------|
| Images: 5166-83, 5184-97 | 16:25:00 PDT | Body | |
| | 23:25-GMT | Position: 273° / 1106 m Direction: West; Behavior: Slow travel <i>jet ski traveled through kelp well within whales - no interaction.</i> | |
| | 16:28:00 PDT | Blow | Inside |
| | 23:28-GMT | Position: 280° / 1106 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 16 | Poor - 1 | Total 4 — 1 Calf at sighting |
| Images: 5233-5351 | 16:50:00 PDT | — / Blow | |
| | 23:50-GMT | Position: 100° / 3088 m Direction: West; Behavior: Slow travel | |
| | 16:59:00 PDT | Blow | |
| | 23:59-GMT | Position: 103° / 3088 m Direction: West; Behavior: Slow travel | |
| | 17:01:00 PDT | Blow | |
| | 00:01; 4/30/2013-GMT | Position: 105° / 2749 m Direction: West; Behavior: Slow travel | |
| | 17:04:00 PDT | Blow | |
| | 00:04; 4/30/2013-GMT | Position: 105° / 2749 m Direction: West; Behavior: Slow travel | |
| | 17:09:00 PDT | Blow | |
| | 00:09; 4/30/2013-GMT | Position: 107° / 1922 m Direction: West; Behavior: Slow travel | |
| | 17:13:00 PDT | Blow | |
| | 00:13; 4/30/2013-GMT | Position: 108° / 1483 m Direction: West; Behavior: Slow travel | |
| | 17:16:00 PDT | Blow | |
| | 00:16; 4/30/2013-GMT | Position: 109° / 1403 m Direction: West; Behavior: Slow travel | |
| | 17:22:00 PDT | Blow | |
| | 00:22; 4/30/2013-GMT | Position: 119° / 1106 m Direction: West; Behavior: Slow travel | |
| | 17:24:00 PDT | Body | |
| 00:24; 4/30/2013-GMT | Position: 131° / 600 m Direction: West; Behavior: Slow travel | | |
| 17:25:00 PDT | Body | | |
| 00:25; 4/30/2013-GMT | Position: 136° / 600 m Direction: West; Behavior: Slow travel | | |
| 17:27:00 PDT | Blow | | |
| 00:27; 4/30/2013-GMT | Position: 154° / 600 m Direction: West; Behavior: Slow travel | | |
| 17:28:00 PDT | Body | | |
| 00:28; 4/30/2013-GMT | Position: 163° / 600 m Direction: West; Behavior: Slow travel | | |
| 17:33:00 PDT | Body | | |
| 00:33; 4/30/2013-GMT | Position: 168° / 600 m Direction: West; Behavior: Slow travel | | |
| 17:43:00 PDT | Blow | Inside | |
| 00:43; 4/30/2013-GMT | Position: 239° / 489 m Direction: West; Behavior: Slow travel | | |
| Sighting Number | 17 | Poor - 1 | Total 4 — 2 Calves at sighting |
| Images: 5199-5230 | 17:13:00 PDT | — / Body | |
| | 00:13; 4/30/2013-GMT | Position: 134° / 778 m Direction: West; Behavior: Slow travel | |
| | 17:16:00 PDT | Body | |
| | 00:16; 4/30/2013-GMT | Position: 158° / 600 m Direction: West; Behavior: Slow travel | |
| | 17:17:00 PDT | Body | |
| 00:17; 4/30/2013-GMT | Position: 166° / 600 m Direction: West; Behavior: Slow travel | | |
| 17:19:00 PDT | Body | | |
| 00:19; 4/30/2013-GMT | Position: 182° / 600 m Direction: West; Behavior: Slow travel | | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | Time | CueTip / Saw | Route Past Holly |
|-------------------|------------------|--|--|------------------|
| | | 17:22:00 PDT | Body | Inside |
| | | 0:22; 4/30/2013-GMT | Position: 234° / 600 m Direction: West; Behavior: Slow travel | |
| Apr 30 | Total 7 Calves 3 | Gray whale (northbound) | | |
| Day 79 of 98 | | | | |
| Sighting Number | 06 | Poor - 1 | Total 2 — 1 Calf at sighting | |
| Images: 5394-5426 | | 10:33:00 PDT | — / Body | |
| | | 17:33-GMT | Position: 99° / 3088 m Direction: West; Behavior: Slow travel | |
| | | <i>First spotted along kelp west of Campus Point. Cow/Calf pair stayed very close together and traveled along kelp slowly. the Condor was with them for a while, staying along left side of pair. Pair traveled west along kelp with calf along shore side the entire time.</i> | | |
| | | 10:47:00 PDT | Body | |
| | | 17:47-GMT | Position: 108° / 1674 m Direction: West; Behavior: Slow travel | |
| | | 10:57:00 PDT | Body | |
| | | 17:57-GMT | Position: 127° / 913 m Direction: West; Behavior: Slow travel | |
| | | 11:07:00 PDT | Body | |
| | | 18:07-GMT | Position: 214° / 539 m Direction: West; Behavior: Slow travel | |
| | | 11:11:00 PDT | Body | Inside |
| | | 18:11-GMT | Position: 260° / 678 m Direction: West; Behavior: Slow travel | |
| | | <i>Inside stick</i> | | |
| Sighting Number | 11 | Poor - 1 | Total 1 — 0 Calves at sighting | |
| | | 11:45:00 PDT | — / Blow | |
| | | 18:45-GMT | Position: 123° / 1674 m Direction: West; Behavior: Slow travel | |
| | | 12:09:00 PDT | Body | |
| | | 19:09-GMT | Position: 230° / 1403 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 21 | Fair - 0 | Total 2 — 1 Calf at sighting | |
| Images: 5451-5533 | | 14:15:00 PDT | Phone / Blow | |
| | | 21:15-GMT | Position: 106° / 1922 m Direction: West; Behavior: Slow travel | |
| | | <i>Not camera shy - posers: IDs of calf and cow right and cow left with big white mark on left side. We saw a blow at Campus Point and then saw the pair traveling towards us. They entered slip stream, where they surfaced quite frequently. We saw a few white spots on the mother's back. One particular white mark was very large and on the mother's left side. The pair reached the kelp at the end of slip stream and turned back to go around it. They then traveled along the kelp to Ellwood, traveling inside the stick.</i> | | |
| | | 14:19:00 PDT | Body | |
| | | 21:19-GMT | Position: 108° / 1674 m Direction: West; Behavior: Slow travel | |
| | | 14:24:00 PDT | Body | |
| | | 21:24-GMT | Position: 112° / 1208 m Direction: West; Behavior: Slow travel | |
| | | 14:32:00 PDT | Body | |
| | | 21:32-GMT | Position: 123° / 574 m Direction: West; Behavior: Slow travel | |
| | | 14:36:00 PDT | Body | |
| | 21:36-GMT | Position: 130° / 489 m Direction: West; Behavior: Slow travel | | |
| | 14:38:00 PDT | Body | | |
| | 21:38-GMT | Position: 158° / 412 m Direction: West; Behavior: Slow travel | | |
| | 14:41:00 PDT | Body | | |
| | 21:41-GMT | Position: 208° / 377 m Direction: West; Behavior: Slow travel | | |
| | 14:48:00 PDT | Body | | |
| | 21:48-GMT | Position: 243° / 539 m Direction: West; Behavior: Slow travel | | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|---|---------------------------|---|--------------------|
| | 14:52:00 PDT 21:52-GMT | Blow Position: 276° / 696 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number 28 | Fair - 0 | Total 2 — 1 Calf at sighting | |
| Images: 5539 | 15:57:00 PDT 22:57-GMT | — / Blow Position: 101° / 2749 m Direction: West; Behavior: Slow travel | |
| | 16:00:00 PDT 23:00-GMT | Blow Position: 101° / 2260 m Direction: West; Behavior: Slow travel | |
| | 16:07:00 PDT 23:07-GMT | Blow Position: 107° / 1922 m Direction: West; Behavior: Slow travel | |
| | 16:11:00 PDT 23:11-GMT | Blow Position: 108° / 1483 m Direction: West; Behavior: Slow travel | |
| | 16:17:00 PDT 23:17-GMT | Blow Position: 113° / 913 m Direction: West; Behavior: Slow travel | |
| | 16:22:00 PDT 23:22-GMT | Body Position: 129° / 600 m Direction: West; Behavior: Slow travel | |
| May 01 Total 10 Calves 5 Day 80 of 98 | Gray whale (northbound) | | |
| Sighting Number 02 | Fair - 0 | Total 2 — 1 Calf at sighting | |
| Images: 5540-5555 | 10:19:00 PDT 17:19-GMT | — / Body Position: 108° / 2749 m Direction: West; Behavior: Slow travel | |
| | 10:31:00 PDT 17:31-GMT | Body Position: 117° / 1106 m Direction: West; Behavior: Slow travel | |
| | 10:36:00 PDT 17:36-GMT | Body Position: 143° / 550 m Direction: West; Behavior: Slow travel | |
| | 10:41:00 PDT 17:41-GMT | Blow Position: 177° / 400 m Direction: West; Behavior: Slow travel | |
| | 10:43:00 PDT 17:43-GMT | Body Position: 219° / 412 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number 10 | Fair - 1 | Total 2 — 1 Calf at sighting | <i>Disappeared</i> |
| Images: 5572-92 | 12:48:00 PDT 19:48-GMT | — / Body Position: 122° / 735 m Direction: West; Behavior: Slow travel <i>Outside kelp near slip stream. Encountered sailboat which led to long down time and reappeared at Holly then disappeared.</i> | Inside |
| | 12:51:00 PDT 19:51-GMT | Blow Position: 139° / 574 m Direction: West; Behavior: Slow travel | |
| | 12:59:00 PDT 19:59-GMT | Body Position: 234° / 528 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number 20 | Fair - 3 | Total 2 — 1 Calf at sighting | |
| Images: 5609-5641 | 15:54:00 PDT 22:54-GMT | — / Blow Position: 100° / 2749 m Direction: West; Behavior: Slow travel | |
| | 16:00:00 PDT 23:00-GMT | Blow Position: 101° / 2749 m Direction: West; Behavior: Slow travel | |
| | 16:03:00 PDT 23:03-GMT | Blow Position: 103° / 2749 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|-------------------|------------------------------------|---|------------------------------|
| | 16:08:00 PDT 23:08-GMT | Blow Position: 108° / 2260 m Direction: West; Behavior: Slow travel | |
| | 16:12:00 PDT 23:12-GMT | Blow Position: 109° / 1674 m Direction: West; Behavior: Slow travel | |
| | 16:16:00 PDT 23:16-GMT | Blow Position: 109° / 1483 m Direction: West; Behavior: Slow travel | |
| | 16:20:00 PDT 23:20-GMT | Blow Position: 112° / 946 m Direction: West; Behavior: Slow travel | |
| | 16:25:00 PDT 23:25-GMT | Blow Position: 134° / 574 m Direction: West; Behavior: Slow travel | |
| | 16:27:00 PDT 23:27-GMT | Blow Position: 157° / 400 m Direction: West; Behavior: Slow travel | |
| | 16:29:00 PDT 23:29-GMT | Blow Position: 176° / 539 m Direction: West; Behavior: Slow travel | |
| | 16:35:00 PDT 23:35-GMT | Blow Position: 234° / 550 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 22 | Fair - 3 | Total 2 — 1 Calf at sighting |
| Images: none | 16:15:00 PDT 23:15-GMT | — / Blow Position: 298° / 661 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 26 | Fair - 3 | Total 2 — 1 Calf at sighting |
| Images: 5643-5716 | 16:36:00 PDT 23:36-GMT | — / Blow Position: 106° / 2749 m Direction: West; Behavior: Slow travel | |
| | 16:39:00 PDT 23:39-GMT | Blow Position: 108° / 2749 m Direction: West; Behavior: Slow travel | |
| | 16:42:00 PDT 23:42-GMT | Blow Position: 108° / 2260 m Direction: West; Behavior: Slow travel | |
| | 16:46:00 PDT 23:46-GMT | Blow Position: 110° / 1922 m Direction: West; Behavior: Slow travel | |
| | 16:48:00 PDT 23:48-GMT | Blow Position: 112° / 1208 m Direction: West; Behavior: Slow travel • Breach <i>Calf breach</i> | |
| | 16:52:00 PDT 23:52-GMT | Blow Position: 118° / 1331 m Direction: West; Behavior: Slow travel • Breach | |
| | 16:53:00 PDT 23:53-GMT | Blow Position: 128° / 946 m Direction: West; Behavior: Slow travel • Breach | |
| | 16:58:00 PDT 23:58-GMT | Blow Position: 160° / 629 m Direction: West; Behavior: Slow travel | |
| | 17:00:00 PDT 0:00; 5/2/2013-GMT | Blow Position: 186° / 539 m Direction: West; Behavior: Slow travel • Breach <i>Mom breach</i> | |
| | 17:03:00 PDT 0:03; 5/2/2013-GMT | Body Position: 224° / 629 m Direction: West; Behavior: Slow travel • Breach | |
| | 17:04:00 PDT 0:04; 5/2/2013-GMT | Body Position: 244° / 661 m Direction: West; Behavior: Slow travel • Breach | Inside |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|--------------------------------|---|-------------------------|--|
| May 02 Total 8 Calves 4 | Gray whale (northbound) | | |
| Day 81 of 98 | | | |
| Sighting Number | 03 | Good - 1 | Total 2 — 1 Calf at sighting |
| Images: 5726-66 | 9:34:00 PDT | — / Blow | |
| | 16:34-GMT | Position: 108° / 2749 m | Direction: West; Behavior: Slow travel |
| | <i>First seen right outside Campus Point kelp. they had some erratic swimming as they came toward us. Traveled along kelp outside of slip stream. Mom had distinctive white spot. Calf disappeared at 113 until right before the stick. they traveled inside the stick.</i> | | |
| | 9:37:00 PDT | Blow | |
| | 16:37-GMT | Position: 109° / 2260 m | Direction: West; Behavior: Slow travel |
| | 9:41:00 PDT | Blow | |
| | 16:41-GMT | Position: 110° / 2260 m | Direction: West; Behavior: Slow travel |
| | 9:44:00 PDT | Blow | |
| | 16:44-GMT | Position: 110° / 1674 m | Direction: West; Behavior: Slow travel |
| | 9:47:00 PDT | Blow | |
| | 16:47-GMT | Position: 110° / 1483 m | Direction: West; Behavior: Slow travel |
| | 9:49:00 PDT | Blow | |
| | 16:49-GMT | Position: 112° / 1331 m | Direction: West; Behavior: Slow travel |
| | 9:53:00 PDT | Blow | |
| | 16:53-GMT | Position: 114° / 1106 m | Direction: West; Behavior: Slow travel |
| | 9:56:00 PDT | Blow | |
| | 16:56-GMT | Position: 127° / 946 m | Direction: West; Behavior: Slow travel |
| | 10:01:00 PDT | Blow | |
| | 17:01-GMT | Position: 159° / 735 m | Direction: West; Behavior: Slow travel |
| | 10:05:00 PDT | Body | |
| | 17:05-GMT | Position: 190° / 574 m | Direction: West; Behavior: Slow travel |
| | 10:11:00 PDT | Body | |
| | 17:11-GMT | Position: 244° / 550 m | Direction: West; Behavior: Slow travel |
| | 10:14:00 PDT | Body | Inside |
| | 17:14-GMT | Position: 270° / 735 m | Direction: West; Behavior: Slow travel |
| Sighting Number | 05 | Good - 1 | Total 2 — 1 Calf at sighting |
| Images: 5768-81 | 10:20:00 PDT | — / Blow | |
| | 17:20-GMT | Position: 104° / 3088 m | Direction: West; Behavior: Slow travel |
| | <i>After nice blows at Campus Point and off IV kelp - mom not in evidence except for footprints. Traveled outside of slip stream along kelp line inside of platform Holly and the stick.</i> | | |
| | 10:22:00 PDT | Blow | |
| | 17:22-GMT | Position: 105° / 3088 m | Direction: West; Behavior: Slow travel |
| | 10:25:00 PDT | Blow | |
| | 17:25-GMT | Position: 106° / 2260 m | Direction: West; Behavior: Slow travel |
| | 10:31:00 PDT | Blow | |
| | 17:31-GMT | Position: 111° / 1922 m | Direction: West; Behavior: Slow travel |
| | 10:35:00 PDT | Blow | |
| | 17:35-GMT | Position: 113° / 1674 m | Direction: West; Behavior: Slow travel |
| | 10:37:00 PDT | Blow | |
| | 17:37-GMT | Position: 117° / 1483 m | Direction: West; Behavior: Slow travel |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|-------------------|---------------------------|---|------------------------------|
| | 10:41:00 PDT 17:41-GMT | Blow Position: 126° / 1020 m Direction: West; Behavior: Slow travel | |
| | 10:45:00 PDT 17:45-GMT | Body Position: 150° / 735 m Direction: West; Behavior: Slow travel | |
| | 10:48:00 PDT 17:48-GMT | Body Position: 175° / 600 m Direction: West; Behavior: Slow travel | |
| | 10:52:00 PDT 17:52-GMT | Body Position: 217° / 471 m Direction: West; Behavior: Slow travel | |
| | 10:56:00 PDT 17:56-GMT | Body Position: 258° / 600 m Direction: West; Behavior: Slow travel | |
| | 10:58:00 PDT 17:58-GMT | Body Position: 271° / 696 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 13 | Fair - 3 | Total 2 — 1 Calf at sighting |
| Images: 5792-5821 | 12:30:00 PDT 19:30-GMT | — / Blow Position: 110° / 2749 m Direction: West; Behavior: Slow travel | |
| | 12:35:00 PDT 19:35-GMT | Blow Position: 114° / 1922 m Direction: West; Behavior: Slow travel | |
| | 12:39:00 PDT 19:39-GMT | Blow Position: 117° / 1674 m Direction: West; Behavior: Slow travel | |
| | 12:42:00 PDT 19:42-GMT | Blow Position: 122° / 1331 m Direction: West; Behavior: Slow travel | |
| | 12:47:00 PDT 19:47-GMT | Blow Position: 144° / 778 m Direction: West; Behavior: Slow travel | |
| | 12:50:00 PDT 19:50-GMT | Body Position: 175° / 574 m Direction: West; Behavior: Slow travel | |
| | 12:55:00 PDT 19:55-GMT | Body Position: 227° / 600 m Direction: West; Behavior: Slow travel | |
| | 12:56:00 PDT 19:56-GMT | Body Position: 234° / 600 m Direction: West; Behavior: Slow travel | |
| | 12:59:00 PDT 19:59-GMT | Blow Position: 253° / 883 m Direction: West; Behavior: Slow travel | |
| | 13:00:00 PDT 20:00-GMT | Blow Position: 265° / 827 m Direction: West; Behavior: Slow travel | |
| | 13:01:00 PDT 20:01-GMT | Blow Position: 268° / 883 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 16 | Fair - 3 | Total 2 — 1 Calf at sighting |
| Images: 5827-5867 | 13:01:00 PDT 20:01-GMT | — / Blow Position: 101° / 3528 m Direction: West; Behavior: Slow travel <i>Condor Express followed the pair. Traveled outside of kelp. Very slow travel. Not in slip stream. Traveled inside the stick.</i> | |
| | 13:11:00 PDT 20:11-GMT | Blow Position: 108° / 2749 m Direction: West; Behavior: Slow travel | |
| | 13:18:00 PDT 20:18-GMT | Blow Position: 111° / 1922 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|---|---------------------------|---|---|
| | 13:22:00 PDT 20:22-GMT | Blow Position: 114° / 1483 m Direction: West; Behavior: Slow travel | |
| | 13:28:00 PDT 20:28-GMT | Blow Position: 124° / 1106 m Direction: West; Behavior: Slow travel | |
| | 13:31:00 PDT 20:31-GMT | Blow Position: 134° / 735 m Direction: West; Behavior: Slow travel | |
| | 13:35:00 PDT 20:35-GMT | Blow Position: 156° / 600 m Direction: West; Behavior: Slow travel <i>Head up</i> | |
| | 13:41:00 PDT 20:41-GMT | Body Position: 194° / 412 m Direction: West; Behavior: Slow travel | |
| | 13:44:00 PDT 20:44-GMT | Blow Position: 236° / 600 m Direction: West; Behavior: Slow travel | |
| | 13:47:00 PDT 20:47-GMT | Body Position: 265° / 661 m Direction: West; Behavior: Slow travel | Inside |
| May 03 Total 10 Calves 5 Day 82 of 98 | Gray whale (northbound) | | |
| Sighting Number | 01 | Fair - 0 | Total 2 — 1 Calf at sighting |
| Images: 5869-5920 | | 8:56:00 PDT 15:56-GMT | — / Body Position: 116° / 883 m Direction: West; Behavior: Slow travel <i>Surfaced outside kelp near slip stream, traveled along kelp - saw some brief rolling - entered slip stream - surfaced regularly, often without blowing - traveled along kelp to Ellwood, traveling inside the stick</i> |
| | | 9:01:00 PDT 16:01-GMT | Body Position: 133° / 574 m Direction: West; Behavior: Slow travel • Rolling |
| | | 9:05:00 PDT 16:05-GMT | Body Position: 142° / 455 m Direction: West; Behavior: Slow travel |
| | | 9:09:00 PDT 16:09-GMT | Body Position: 200° / 366 m Direction: West; Behavior: Slow travel |
| | | 9:11:00 PDT 16:11-GMT | Body Position: 233° / 455 m Direction: West; Behavior: Slow travel |
| | | 9:15:00 PDT 16:15-GMT | Body Position: 261° / 539 m Direction: West; Behavior: Slow travel |
| | | 9:20:00 PDT 16:20-GMT | Body Position: 284° / 913 m Direction: West; Behavior: Slow travel <i>Inside stick</i> |
| Sighting Number | 07 | Fair - 1 | Total 2 — 1 Calf at sighting |
| Images: none | | 10:38:00 PDT 17:38-GMT | — / Blow Position: 228° / 778 m Direction: West; Behavior: Slow travel |
| | | 10:42:00 PDT 17:42-GMT | Blow Position: 249° / 778 m Direction: West; Behavior: Slow travel |
| Sighting Number | 09 | Fair - 0 | Total 2 — 1 Calf at sighting |
| Images: 5928-5958 | | 11:06:00 PDT 18:06-GMT | Phone / Blow Position: 102° / 2749 m Direction: West; Behavior: Slow travel <i>No IDs in images. #100 quite close - calf up at mom's head a lot - through slip stream</i> |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|-------------------|---------------------------|---|------------------------------|
| | 11:11:00 PDT 18:11-GMT | Body Position: 103° / 2749 m Direction: West; Behavior: Slow travel | |
| | 11:15:00 PDT 18:15-GMT | Blow Position: 104° / 2749 m Direction: West; Behavior: Slow travel | |
| | 11:19:00 PDT 18:19-GMT | Body Position: 105° / 1922 m Direction: West; Behavior: Slow travel | |
| | 11:22:00 PDT 18:22-GMT | Body Position: 107° / 1674 m Direction: West; Behavior: Slow travel | |
| | 11:25:00 PDT 18:25-GMT | Blow Position: 107° / 1106 m Direction: West; Behavior: Slow travel | |
| | 11:30:00 PDT 18:30-GMT | Body Position: 108° / 827 m Direction: West; Behavior: Slow travel | |
| | 11:35:00 PDT 18:35-GMT | Body Position: 129° / 550 m Direction: West; Behavior: Slow travel • Bubbles seen | |
| | 11:37:00 PDT 18:37-GMT | Body Position: 135° / 412 m Direction: West; Behavior: Slow travel | |
| | 11:40:00 PDT 18:40-GMT | Body Position: 181° / 322 m Direction: West; Behavior: Slow travel | |
| | 11:45:00 PDT 18:45-GMT | Body Position: 242° / 471 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 12 | Fair - 0 | Total 2 — 1 Calf at sighting |
| Images: 5960-5977 | 11:51:00 PDT 18:51-GMT | — / Body Position: 113° / 1106 m Direction: West; Behavior: Slow travel <i>Saw calf outside IV kelp - didn't see mother until she was in front of us - entered slip stream - surfaced frequently until they reached end of slip stream - saw surface a couple times past Holly, traveling along kelp</i> | |
| | 11:56:00 PDT 18:56-GMT | Body Position: 122° / 1403 m Direction: West; Behavior: Slow travel | |
| | 11:59:00 PDT 18:59-GMT | Body Position: 137° / 489 m Direction: West; Behavior: Slow travel | |
| | 12:03:00 PDT 19:03-GMT | Body Position: 187° / 377 m Direction: West; Behavior: Slow travel | |
| | 12:09:00 PDT 19:09-GMT | Body Position: 251° / 528 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 22 | Fair - 1 | Total 2 — 1 Calf at sighting |
| Images: 5986-6029 | 14:17:00 PDT 21:17-GMT | — / Blow Position: 103° / 2749 m Direction: West; Behavior: Slow travel <i>Did not see calf until just before outside slip stream - traveled outside slip stream - momma big! Calf blew tiny blows - three/four surfacings after momma along kelp outside slip stream - then cow arched and calf more contained until after kelp at Sands</i> | |
| | 14:23:00 PDT 21:23-GMT | Blow Position: 105° / 2749 m Direction: West; Behavior: Slow travel | |
| | 14:27:00 PDT 21:27-GMT | Blow Position: 108° / 1922 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|--------------|---------------------------|--|------------------|
| | 14:32:00 PDT 21:32-GMT | Blow Position: 109° / 1403 m Direction: West; Behavior: Slow travel | |
| | 14:35:00 PDT 21:35-GMT | Blow Position: 112° / 1106 m Direction: West; Behavior: Slow travel | |
| | 14:39:00 PDT 21:39-GMT | Blow Position: 126° / 778 m Direction: West; Behavior: Slow travel | |
| | 14:43:00 PDT 21:43-GMT | Blow Position: 156° / 574 m Direction: West; Behavior: Slow travel | |
| | 14:46:00 PDT 21:46-GMT | Blow Position: 187° / 426 m Direction: West; Behavior: Slow travel | |
| | 14:52:00 PDT 21:52-GMT | Blow Position: 259° / 600 m Direction: West; Behavior: Slow travel | |
| | 14:56:00 PDT 21:56-GMT | Blow Position: 278° / 913 m Direction: West; Behavior: Slow travel | Inside |
| | | <i>Inside stick</i> | |

May 04 Total 8 Calves 4
Day 83 of 98

Gray whale (northbound)

| Sighting Number | Poor - 3 | Total 4 — 2 Calves at sighting |
|--------------------------|--------------------------|--|
| <i>Images: 6032-6144</i> | 8:53:00 PDT 15:53-GMT | — / Blow Position: 146° / 471 m Direction: West; Behavior: Slow travel <i>Very frequent surfacings - calves were nursing</i> |
| | 8:55:00 PDT 15:55-GMT | Blow Position: 172° / 388 m Direction: West; Behavior: Slow travel |
| | 8:57:00 PDT 15:57-GMT | Blow Position: 184° / 440 m Direction: West; Behavior: Slow travel <i>Calves nursing</i> |
| | 8:59:00 PDT 15:59-GMT | Blow Position: 202° / 356 m Direction: West; Behavior: Slow travel |
| | 9:02:00 PDT 16:02-GMT | Blow Position: 214° / 356 m Direction: West; Behavior: Slow travel |
| | 9:05:00 PDT 16:05-GMT | Body Position: 229° / 377 m Direction: West; Behavior: Slow travel • Rolling |
| | 9:06:00 PDT 16:06-GMT | Blow Position: 229° / 489 m Direction: West; Behavior: Slow travel |
| | 9:10:00 PDT 16:10-GMT | Blow Position: 224° / 489 m Direction: West; Behavior: Slow travel |
| | 9:13:00 PDT 16:13-GMT | Blow Position: 242° / 661 m Direction: West; Behavior: Slow travel <i>Time out now through last tracking</i> |
| | 9:14:00 PDT 16:14-GMT | Blow Position: 248° / 661 m Direction: West; Behavior: Slow travel |
| | 9:16:00 PDT 16:16-GMT | Blow Position: 259° / 661 m Direction: West; Behavior: Slow travel |
| | 9:18:00 PDT 16:18-GMT | Blow Position: 274° / 778 m Direction: West; Behavior: Slow travel |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | Time | CueTip / Saw | Route Past Holly |
|-----------------|------------------|--------------------|---|------------------|
| | | 9:21:00 PDT | Blow | |
| | | 16:21-GMT | Position: 274° / 661 m Direction: West; Behavior: Slow travel | |
| | | 9:23:00 PDT | Blow | Inside |
| | | 16:23-GMT | Position: 278° / 883 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 15 | Fair - 3 | Total 4 — 2 Calves at sighting | |
| | | 16:36:00 PDT | Phone / Blow | |
| | | 23:36-GMT | Position: 106° / 2749 m Direction: West; Behavior: Slow travel | |
| | | | <i>Call from Condor</i> | |
| | | 16:39:00 PDT | Blow | |
| | | 23:39-GMT | Position: 109° / 2260 m Direction: West; Behavior: Slow travel | |
| | | 16:43:00 PDT | Blow | |
| | | 23:43-GMT | Position: 110° / 1674 m Direction: West; Behavior: Slow travel | |
| | | 16:46:00 PDT | Blow | |
| | | 23:46-GMT | Position: 111° / 1403 m Direction: West; Behavior: Slow travel • Breach | |
| | | 16:49:00 PDT | Blow | |
| | | 23:49-GMT | Position: 115° / 946 m Direction: West; Behavior: Slow travel • Breach | |
| | | 16:51:00 PDT | Blow | |
| | | 23:51-GMT | Position: 124° / 735 m Direction: West; Behavior: Slow travel | |
| | | 16:54:00 PDT | Body | |
| | | 23:54-GMT | Position: 157° / 600 m Direction: West; Behavior: Slow travel | |
| | | 16:58:00 PDT | Body | |
| | | 23:58-GMT | Position: 205° / 678 m Direction: West; Behavior: Slow travel | |
| | | 17:01:00 PDT | Blow | Inside |
| | | 0:01; 5/5/2013-GMT | Position: 234° / 574 m Direction: West; Behavior: Slow travel | |

May 07 Total 8 Calves 4 Gray whale (northbound)

Day 86 of 98

| | | | | |
|-----------------|----|--------------|--|--------|
| Sighting Number | 09 | Fair - 1 | Total 6 — 3 Calves at sighting | |
| | | 12:41:00 PDT | — / Body | |
| | | 19:41-GMT | Position: 124° / 629 m Direction: West; Behavior: Slow travel | |
| | | | <i>We first saw two pairs right outside the slip stream - Those pairs entered slip stream, then we saw another pair outside the kelp. they also entered slip stream - saw rolling as they neared Holly - traveled through the kelp near Holly - traveled along the kelp to Ellwood - very frequent surfacing/blowing all the way past us</i> | |
| | | 12:43:00 PDT | Blow | |
| | | 19:43-GMT | Position: 137° / 600 m Direction: West; Behavior: Slow travel | |
| | | 12:48:00 PDT | Blow | |
| | | 19:48-GMT | Position: 177° / 356 m Direction: West; Behavior: Slow travel | |
| | | 12:51:00 PDT | Blow | |
| | | 19:51-GMT | Position: 219° / 356 m Direction: West; Behavior: Slow travel • Rolling | |
| | | 12:56:00 PDT | Blow | |
| | | 19:56-GMT | Position: 254° / 489 m Direction: West; Behavior: Slow travel | |
| | | 12:58:00 PDT | Blow | Inside |
| | | 19:58-GMT | Position: 270° / 600 m Direction: West; Behavior: Slow travel | |

Images: none

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|--|---------------------------|--|------------------|
| Sighting Number 17 | Good - 3 | Total 2 — 1 Calf at sighting | |
| Images: none | 16:32:00 PDT 23:32-GMT | — / Body Position: 198° / 696 m Direction: West; Behavior: Slow travel | |
| | 16:41:00 PDT 23:41-GMT | Blow Position: 245° / 1403 m Direction: West; Behavior: Slow travel | |
| May 08 Total 9 Calves 4 Day 87 of 98 | Gray whale (northbound) | | |
| Sighting Number 03 | Fair - 3 | Total 2 — 1 Calf at sighting | |
| Images: none | 9:29:00 PDT 16:29-GMT | — / Blow Position: 109° / 1922 m Direction: West; Behavior: Slow travel <i>Saw very large blow outside IV kelp, then saw little blow - traveled along kelp outside slip stream - turned around briefly then continued - traveling relatively fast for a cow/calf pair - when mother turned around, saw a white spot on left side of her back</i> | |
| | 9:32:00 PDT 16:32-GMT | Blow Position: 114° / 1403 m Direction: West; Behavior: Slow travel | |
| | 9:38:00 PDT 16:38-GMT | Blow Position: 128° / 678 m Direction: West; Behavior: Slow travel | |
| | 9:41:00 PDT 16:41-GMT | Blow Position: 151° / 528 m Direction: West; Behavior: Slow travel | |
| | 9:43:00 PDT 16:43-GMT | Blow Position: 165° / 528 m Direction: East; Behavior: Slow travel • Fluke | |
| | 9:45:00 PDT 16:45-GMT | Blow Position: 186° / 508 m Direction: West; Behavior: Slow travel | |
| | 9:48:00 PDT 16:48-GMT | Blow Position: 231° / 550 m Direction: West; Behavior: Slow travel | |
| | 9:53:00 PDT 16:53-GMT | Blow Position: 270° / 1020 m Direction: West; Behavior: Slow travel <i>Inside stick</i> | Inside |
| Sighting Number 10 | Good - 1 | Total 2 — 1 Calf at sighting | |
| Images: 6146-6186 | 11:38:00 PDT 18:38-GMT | — / Blow Position: 102° / 3088 m Direction: West; Behavior: Slow travel <i>Calf stayed low - mother and calf surfaced/ blew frequently - followed kelp from Campus Point past Holly - outside slip stream</i> | |
| | 11:40:00 PDT 18:40-GMT | Blow Position: 102° / 2749 m Direction: West; Behavior: Slow travel | |
| | 11:44:00 PDT 18:44-GMT | Blow Position: 103° / 2749 m Direction: West; Behavior: Slow travel | |
| | 11:50:00 PDT 18:50-GMT | Blow Position: 108° / 2260 m Direction: West; Behavior: Slow travel | |
| | 11:52:00 PDT 18:52-GMT | Blow Position: 110° / 1922 m Direction: West; Behavior: Slow travel | |
| | 11:54:00 PDT 18:54-GMT | Blow Position: 112° / 1674 m Direction: West; Behavior: Slow travel • Fluke | |
| | 11:59:00 PDT 18:59-GMT | Blow Position: 124° / 1020 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|-------------------|---------------------------|---|--------------------------------|
| | 12:02:00 PDT 19:02-GMT | Blow Position: 128° / 678 m Direction: West; Behavior: Slow travel | |
| | 12:05:00 PDT 19:05-GMT | Blow Position: 142° / 600 m Direction: West; Behavior: Slow travel | |
| | 12:09:00 PDT 19:09-GMT | Blow Position: 193° / 539 m Direction: West; Behavior: Slow travel | |
| | 12:12:00 PDT 19:12-GMT | Blow Position: 217° / 489 m Direction: West; Behavior: Slow travel • Fluke | |
| | 12:15:00 PDT 19:15-GMT | Blow Position: 247° / 629 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 17 | Poor - 3 | Total 1 — 0 Calves at sighting |
| | 13:50:00 PDT 20:50-GMT | — / Blow Position: 124° / 2749 m Direction: West; Behavior: Slow travel | |
| | 13:56:00 PDT 20:56-GMT | Blow Position: 134° / 1922 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 22 | Poor - 3 | Total 2 — 1 Calf at sighting |
| Images: 6211-6225 | 14:49:00 PDT 21:49-GMT | — / Blow Position: 101° / 3088 m Direction: West; Behavior: Slow travel | |
| | 14:55:00 PDT 21:55-GMT | Blow Position: 104° / 2749 m Direction: West; Behavior: Slow travel | |
| | 14:58:00 PDT 21:58-GMT | Blow Position: 106° / 2260 m Direction: West; Behavior: Slow travel | |
| | 15:15:00 PDT 22:15-GMT | Blow Position: 114° / 913 m Direction: West; Behavior: Slow travel | |
| | 15:19:00 PDT 22:19-GMT | Blow Position: 129° / 600 m Direction: West; Behavior: Slow travel | |
| | 15:23:00 PDT 22:23-GMT | Blow Position: 150° / 550 m Direction: West; Behavior: Slow travel | |
| | 15:28:00 PDT 22:28-GMT | Body Position: 191° / 539 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 24 | Poor - 4 | Total 2 — 1 Calf at sighting |
| Images: 6228-6273 | 15:41:00 PDT 22:41-GMT | — / Blow Position: 110° / 913 m Direction: West; Behavior: Slow travel <i>Saw big blow outside slip stream - entered slip stream - didn't see calf for a while, possibly due to choppy water - traveled outside kelp to Ellwood, traveling inside stick</i> | |
| | 15:45:00 PDT 22:45-GMT | Blow Position: 124° / 629 m Direction: West; Behavior: Slow travel | |
| | 15:48:00 PDT 22:48-GMT | Blow Position: 147° / 412 m Direction: West; Behavior: Slow travel | |
| | 15:51:00 PDT 22:51-GMT | Blow Position: 191° / 322 m Direction: West; Behavior: Slow travel | |
| | 15:55:00 PDT 22:55-GMT | Blow Position: 238° / 455 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|--|--|--|------------------|
| | 16:01:00 PDT | Blow | Inside |
| | 23:01-GMT | Position: 287° / 883 m Direction: West; Behavior: Slow travel | |
| May 09 Total 6 Calves 3 | Gray whale (northbound) | | |
| Day 88 of 98 | | | |
| Sighting Number 04 | Good - 2 | Total 2 — 1 Calf at sighting | |
| Images: 6309-6319 | 9:06:00 PDT | — / Blow | |
| | 16:06-GMT | Position: 109° / 3528 m Direction: West; Behavior: Slow travel | |
| | <i>Traveled offshore of kelp about 100m. Crew boat came at them from behind: 4 breaches in wake of boat. Then 2 squid boats traveling west to east passed just outside whales - hard to find after boats passed.</i> | | |
| | <i>Crew boat sighting #5.</i> | | |
| | <i>Whales rolled in between breaches after the crew boat passed.</i> | | |
| | 9:09:00 PDT | Blow | |
| | 16:09-GMT | Position: 111° / 3528 m Direction: West; Behavior: Slow travel | |
| | 9:18:00 PDT | Blow | |
| | 16:18-GMT | Position: 117° / 2260 m Direction: West; Behavior: Slow travel | |
| | 9:19:00 PDT | Blow | |
| | 16:19-GMT | Position: 120° / 2260 m Direction: West; Behavior: Slow travel | |
| | 9:23:00 PDT | Blow | |
| | 16:23-GMT | Position: 126° / 1674 m Direction: West; Behavior: Slow travel | |
| 9:25:00 PDT | Blow | | |
| 16:25-GMT | Position: 129° / 1674 m Direction: West; Behavior: Slow travel | | |
| 9:26:00 PDT | Body | | |
| 16:26-GMT | Position: 133° / 1483 m Direction: West; Behavior: Slow travel • Breach • Rolling | | |
| <i>Lots of breaching after crew boat crossed paths</i> | | | |
| 9:29:00 PDT | Body | | |
| 16:29-GMT | Position: 144° / 1483 m Direction: West; Behavior: Slow travel • Breach | | |
| 9:34:00 PDT | Body | | |
| 16:34-GMT | Position: 164° / 1106 m Direction: West; Behavior: Slow travel | | |
| 9:37:00 PDT | Blow | | |
| 16:37-GMT | Position: 183° / 946 m Direction: West; Behavior: Slow travel | | |
| 9:42:00 PDT | Body | Inside | |
| 16:42-GMT | Position: 224° / m Direction: West; Behavior: Slow travel | | |
| Sighting Number 15 | Good - 2 | Total 2 — 1 Calf at sighting | |
| Images: 6342-6380 | 11:33:00 PDT | — / Blow | |
| | 18:33-GMT | Position: 100° / 3088 m Direction: West; Behavior: Slow travel | |
| | <i>Saw momma blow at Campus Point - saw little puff twice before they got to kelp outside slip stream - surfaced twice in front of us then began surfacing outside kelp at Sands. Calf pretty low-key.</i> | | |
| | <i>Not good images.</i> | | |
| | <i>Came inside of kelp once at Counter Point before switching out again around the stick</i> | | |
| | 11:36:00 PDT | Blow | |
| | 18:36-GMT | Position: 102° / 3088 m Direction: West; Behavior: Slow travel | |
| 11:40:00 PDT | Blow | | |
| 18:40-GMT | Position: 104° / 2749 m Direction: West; Behavior: Slow travel | | |
| 11:43:00 PDT | Blow | | |
| 18:43-GMT | Position: 105° / 2260 m Direction: West; Behavior: Slow travel | | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|-------------------|---------------------------|--|------------------------------|
| | 11:46:00 PDT 18:46-GMT | Blow Position: 107° / 2260 m Direction: West; Behavior: Slow travel | |
| | 11:48:00 PDT 18:48-GMT | Blow Position: 109° / 2260 m Direction: West; Behavior: Slow travel | |
| | 11:51:00 PDT 18:51-GMT | Blow Position: 111° / 1922 m Direction: West; Behavior: Slow travel | |
| | 11:55:00 PDT 18:55-GMT | Blow Position: 114° / 1483 m Direction: West; Behavior: Slow travel | |
| | 11:59:00 PDT 18:59-GMT | Blow Position: 116° / 1331 m Direction: West; Behavior: Slow travel | |
| | 12:01:00 PDT 19:01-GMT | Blow Position: 126° / 946 m Direction: West; Behavior: Slow travel | |
| | 12:06:00 PDT 19:06-GMT | Body Position: 158° / 661 m Direction: West; Behavior: Slow travel | |
| | 12:10:00 PDT 19:10-GMT | Body Position: 181° / 550 m Direction: West; Behavior: Slow travel | |
| | 12:11:00 PDT 19:11-GMT | Body Position: 198° / 440 m Direction: West; Behavior: Slow travel | |
| | 12:15:00 PDT 19:15-GMT | Body Position: 239° / 574 m Direction: West; Behavior: Slow travel | |
| | 12:16:00 PDT 19:16-GMT | Blow Position: 248° / 696 m Direction: West; Behavior: Slow travel | |
| | 12:19:00 PDT 19:19-GMT | Blow Position: 266° / 946 m Direction: West; Behavior: Slow travel | |
| | 12:24:00 PDT 19:24-GMT | Blow Position: 282° / 1331 m Direction: West; Behavior: Slow travel | Inside |
| Sighting Number | 29 | Good - 3 | Total 2 — 1 Calf at sighting |
| Images: 6411-6418 | 15:44:00 PDT 22:44-GMT | — / Blow Position: 109° / 1922 m Direction: West; Behavior: Slow travel <i>No blows by calf - most of time on other side of cow - moved steadily form kelp outside slip stream along kelp off Sands well inside stick. Not good images as whales difficult to track in choppy water and white caps - continually "just missing" image.</i> | |
| | 15:52:00 PDT 22:52-GMT | Blow Position: 119° / 1106 m Direction: West; Behavior: Slow travel | |
| | 16:03:00 PDT 23:03-GMT | Blow Position: 220° / 600 m Direction: West; Behavior: Slow travel | |
| | 16:05:00 PDT 23:05-GMT | Blow Position: 241° / 778 m Direction: West; Behavior: Slow travel | Inside |
| | 16:08:00 PDT 23:08-GMT | Blow Position: 265° / 913 m Direction: West; Behavior: Slow travel | |
| | 16:10:00 PDT 23:10-GMT | Blow Position: 281° / 678 m Direction: West; Behavior: Slow travel <i>Inside stick</i> | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|--------------------------------|--|--|------------------------------|
| May 10 Total 4 Calves 2 | Gray whale (northbound) | | |
| Day 89 of 98 | | | |
| Sighting Number | 06 | Fair - 2 | Total 2 — 1 Calf at sighting |
| | 12:38:00 PDT | — / Blow | |
| | 19:38-GMT | Position: 99° / 3088 m Direction: West; Behavior: Slow travel | |
| | 12:42:00 PDT | Blow | |
| | 19:42-GMT | Position: 102° / 3088 m Direction: West; Behavior: Slow travel | |
| | 12:44:00 PDT | Blow | |
| | 19:44-GMT | Position: 103° / 3088 m Direction: West; Behavior: Slow travel | |
| | 12:53:00 PDT | Blow | |
| | 19:53-GMT | Position: 105° / 3088 m Direction: West; Behavior: Slow travel | |
| | 13:01:00 PDT | Blow | |
| | 20:01-GMT | Position: 108° / 3088 m Direction: West; Behavior: Slow travel | |
| | 13:11:00 PDT | Blow | |
| | 20:11-GMT | Position: 110° / 2260 m Direction: West; Behavior: Slow travel | |
| | 13:14:00 PDT | Blow | |
| | 20:14-GMT | Position: 111° / 1922 m Direction: West; Behavior: Slow travel | |
| | 13:18:00 PDT | Blow | |
| | 20:18-GMT | Position: 114° / 1483 m Direction: West; Behavior: Slow travel | |
| | 13:25:00 PDT | Blow | |
| | 20:25-GMT | Position: 115° / 1106 m Direction: West; Behavior: Slow travel | |
| | 13:29:00 PDT | Blow | |
| | 20:29-GMT | Position: 119° / 913 m Direction: West; Behavior: Slow travel | |
| | 13:32:00 PDT | Blow | |
| | 20:32-GMT | Position: 131° / 600 m Direction: West; Behavior: Slow travel | |
| | 13:35:00 PDT | Blow | |
| | 20:35-GMT | Position: 151° / 600 m Direction: West; Behavior: Slow travel | |
| | 13:37:00 PDT | Blow | Inside |
| | 20:37-GMT | Position: 181° / 574 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 10 | Fair - 3 | Total 2 — 1 Calf at sighting |
| Images: none | 13:57:00 PDT | — / Blow | |
| | 20:57-GMT | Position: 115° / 1106 m Direction: West; Behavior: Slow travel | |
| | <i>Saw the pair outside IV kelp. Traveled along kelp outside of slip stream. Mother and calf usually surfaced/blew simultaneously, but calf didn't show much of its body. Surfaced regularly, traveling along the kelp inside the stick.</i> | | |
| | 14:01:00 PDT | Blow | |
| | 21:01-GMT | Position: 126° / 827 m Direction: West; Behavior: Slow travel | |
| | 14:04:00 PDT | Blow | |
| | 21:04-GMT | Position: 142° / 600 m Direction: West; Behavior: Slow travel | |
| | 14:07:00 PDT | Blow | |
| | 21:07-GMT | Position: 187° / 539 m Direction: West; Behavior: Slow travel | |
| | 14:13:00 PDT | Blow | |
| | 21:13-GMT | Position: 254° / 629 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | Time | CueTip / Saw | Route Past Holly |
|--------------------------------|------------------|-------------------------|---|------------------|
| | | 14:16:00 PDT | Blow | Inside |
| | | 21:16-GMT | Position: 279° / 1106 m Direction: West; Behavior: Slow travel | |
| | | | <i>Inside the stick</i> | |
| May 11 Total 1 Calves 0 | | Gray whale (northbound) | | |
| Day 90 of 98 | | | | |
| Sighting Number | 02 | Poor - 2 | Total 1 — 0 Calves at sighting | |
| Images: none | | 9:30:00 PDT | — / Blow | |
| | | 16:30-GMT | Position: 154° / 528 m Direction: West; Behavior: Slow travel | |
| | | 9:33:00 PDT | Blow | |
| | | 16:33-GMT | Position: 197° / 489 m Direction: West; Behavior: Slow travel • Fluke | |
| | | 9:36:00 PDT | Blow | |
| | | 16:36-GMT | Position: 237° / 678 m Direction: West; Behavior: Slow travel | |
| | | 9:39:00 PDT | Blow | Inside |
| | | 16:39-GMT | Position: 261° / 913 m Direction: West; Behavior: Slow travel | |
| May 12 Total 2 Calves 1 | | Gray whale (northbound) | | |
| Day 91 of 98 | | | | |
| Sighting Number | 04 | Fair - 2 | Total 2 — 1 Calf at sighting | |
| Images: 6485-6536 | | 14:15:00 PDT | — / Blow | |
| | | 21:15-GMT | Position: 110° / 1483 m Direction: West; Behavior: Slow travel | |
| | | | <i>We first saw the pair outside the IV kelp. They continued to travel along it and the mother took 4 breaths before turning and stopping to nurse outside of the slip stream before Holly. After passing inside of Holly and before the stick vessel #5 approached quickly from the rear but saw the blows and slowed. The whales stayed submerged until the boat passed them.</i> | |
| | | 14:18:00 PDT | Blow | |
| | | 21:18-GMT | Position: 114° / 1483 m Direction: West; Behavior: Slow travel | |
| | | 14:21:00 PDT | Blow | |
| | | 21:21-GMT | Position: 127° / 883 m Direction: West; Behavior: Slow travel | |
| | | 14:24:00 PDT | Blow | |
| | | 21:24-GMT | Position: 140° / 696 m Direction: West; Behavior: Slow travel | |
| | | 14:25:00 PDT | Blow | |
| | | 21:25-GMT | Position: 160° / 600 m Direction: West; Behavior: Slow travel | |
| | | 14:28:00 PDT | Body | |
| | | 21:28-GMT | Position: 187° / 550 m Direction: West; Behavior: Slow travel | |
| | | 14:30:00 PDT | Body | |
| | | 21:30-GMT | Position: 205° / 528 m Direction: West; Behavior: Slow travel | |
| | | 14:32:00 PDT | Blow | |
| | | 21:32-GMT | Position: 204° / 508 m Direction: West; Behavior: Slow travel | |
| | | 14:35:00 PDT | Blow | |
| | | 21:35-GMT | Position: 245° / 574 m Direction: West; Behavior: Slow travel | |
| | | 14:38:00 PDT | Blow | |
| | | 21:38-GMT | Position: 275° / 827 m Direction: West; Behavior: Slow travel | |
| | | 14:41:00 PDT | Blow | Inside |
| | | 21:41-GMT | Position: 290° / 1020 m Direction: West; Behavior: Slow travel | |
| May 13 Total 2 Calves 1 | | Gray whale (northbound) | | |
| Day 92 of 98 | | | | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|--|---------------------------|---|------------------|
| Sighting Number 13 | Fair - 3 | Total 2 — 1 Calf at sighting | |
| Images: 6588-96 | 12:42:00 PDT 19:42-GMT | — / Blow Position: 101° / 2749 m Direction: West; Behavior: Slow travel <i>Saw few times - along kelp at Campus Point - towards us surfaced twice - calf surfaced through slip stream - saw next at 237 in corner of Sands kelp - then inside stick and then they were gone.</i> | |
| | 12:45:00 PDT 19:45-GMT | Blow Position: 102° / 2749 m Direction: West; Behavior: Slow travel | |
| | 12:49:00 PDT 19:49-GMT | Blow Position: 104° / 2749 m Direction: West; Behavior: Slow travel | |
| | 12:59:00 PDT 19:59-GMT | Blow Position: 112° / 1483 m Direction: West; Behavior: Slow travel | |
| | 13:03:00 PDT 20:03-GMT | Blow Position: 115° / 913 m Direction: West; Behavior: Slow travel | |
| | 13:07:00 PDT 20:07-GMT | Blow Position: 126° / 539 m Direction: West; Behavior: Slow travel | |
| | 13:15:00 PDT 20:15-GMT | Blow Position: 256° / 696 m Direction: West; Behavior: Slow travel | |
| | 13:18:00 PDT 20:18-GMT | Body Position: 279° / 827 m Direction: West; Behavior: Slow travel <i>inside of stick</i> | Inside |
| May 14 Total 2 Calves 1 Day 93 of 98 | Gray whale (northbound) | | |
| Sighting Number 04 | Fair - 3 | Total 2 — 1 Calf at sighting | |
| Images: 6640-91 | 9:55:00 PDT 16:55-GMT | — / Blow Position: 105° / 2749 m Direction: West; Behavior: Slow travel <i>Possible large white area on cow behind dorsal ridge on right side, observed underwater. @ 120 calf emerged head first. Thought we saw blow at Campus Point - UCSB research vessel #3 traveled over path of animal, then we saw blow behind the vessel, followed by a fairly long downtime. The pair approached us, traveling along the kelp outside of slip stream - stopped for a bit where the calf surfaced quite a few times, possibly nursing. After IV kelp and slip stream kelp they traveled a bit outside of Sands kelp and just outside of the stick.</i> | |
| | 10:00:00 PDT 17:00-GMT | Blow Position: 110° / 1922 m Direction: West; Behavior: Slow travel | |
| | 10:06:00 PDT 17:06-GMT | Blow Position: 112° / 1403 m Direction: West; Behavior: Slow travel | |
| | 10:13:00 PDT 17:13-GMT | Blow Position: 129° / 696 m Direction: West; Behavior: Slow travel <i>calf head at 120</i> | |
| | 10:18:00 PDT 17:18-GMT | Blow Position: 148° / 600 m Direction: West; Behavior: Slow travel | |
| | 10:33:00 PDT 17:33-GMT | Blow Position: 267° / 1106 m Direction: West; Behavior: Slow travel | |
| | 10:37:00 PDT 17:37-GMT | Blow Position: 276° / 1403 m Direction: West; Behavior: Slow travel | Inside |
| May 15 Total 2 Calves 1 Day 94 of 98 | Gray whale (northbound) | | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | CueTip / Saw | Route Past Holly |
|--------------------------------|--|--|------------------------------|
| Sighting Number | 14 | Good - 2 | Total 2 — 1 Calf at sighting |
| Images: 6761-6819 | 12:53:00 PDT | — / Blow | |
| | 19:53-GMT | Position: 115° / 1331 m Direction: West; Behavior: Slow travel | |
| | <i>Spotted early at 101 and .8 slow progress along outside of kelp with frequent surfacing but infrequent blows. Not traveling in slip stream. Calf stayed relatively close to mother.</i> | | |
| | 12:58:00 PDT | Blow | |
| | 19:58-GMT | Position: 134° / 600 m Direction: West; Behavior: Slow travel | |
| | 13:01:00 PDT | Blow | |
| | 20:01-GMT | Position: 149° / 471 m Direction: West; Behavior: Slow travel | |
| | 13:04:00 PDT | Body | |
| | 20:04-GMT | Position: 181° / 382 m Direction: West; Behavior: Slow travel | |
| | 13:08:00 PDT | Blow | |
| | 20:08-GMT | Position: 249° / 550 m Direction: West; Behavior: Slow travel | |
| | 13:13:00 PDT | Body | Inside |
| | 20:13-GMT | Position: 282° / 946 m Direction: West; Behavior: Slow travel | |
| May 16 Total 4 Calves 2 | Gray whale (northbound) | | |
| Day 95 of 98 | | | |
| Sighting Number | 01 | Fair - 2 | Total 2 — 1 Calf at sighting |
| Images: none | 8:52:00 PDT | Passerby / Blow | |
| | 15:52-GMT | Position: 267° / 883 m Direction: West; Behavior: Slow travel | |
| | 8:59:00 PDT | Blow | |
| | 15:59-GMT | Position: 261° / 1483 m Direction: West; Behavior: Slow travel | |
| | 9:05:00 PDT | Blow | Inside |
| | 16:05-GMT | Position: 271° / 3528 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 08 | Fair - 2 | Total 2 — 1 Calf at sighting |
| Images: 6837-74 | 10:44:00 PDT | — / Blow | |
| | 17:44-GMT | Position: 109° / 2260 m Direction: West; Behavior: Slow travel | |
| | <i>First seen in open water. The calf was the first spotted by it's little puff at the same time as the mother. The calf traveled ahead of and on the inside (shore side) of the mother. Traveled along the kelp and did not go through slip stream. They did go inside the stick as they continued north.</i> | | |
| | 10:48:00 PDT | Blow | |
| | 17:48-GMT | Position: 109° / 2260 m Direction: West; Behavior: Slow travel | |
| | 10:51:00 PDT | Blow | |
| | 17:51-GMT | Position: 110° / 1922 m Direction: West; Behavior: Slow travel | |
| | 10:55:00 PDT | Blow | |
| | 17:55-GMT | Position: 114° / 1922 m Direction: West; Behavior: Slow travel | |
| | 10:57:00 PDT | Blow | |
| | 17:57-GMT | Position: 114° / 1483 m Direction: West; Behavior: Slow travel | |
| | 11:00:00 PDT | Blow | |
| | 18:00-GMT | Position: 118° / 1208 m Direction: West; Behavior: Slow travel | |
| | 11:03:00 PDT | Blow | |
| | 18:03-GMT | Position: 125° / 1020 m Direction: West; Behavior: Slow travel | |
| | 11:04:00 PDT | Blow | |
| | 18:04-GMT | Position: 127° / 883 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|--|---------------------------|--|---|
| | 11:06:00 PDT 18:06-GMT | Blow Position: 132° / 735 m Direction: West; Behavior: Slow travel | |
| | 11:09:00 PDT 18:09-GMT | Blow Position: 159° / 574 m Direction: West; Behavior: Slow travel | |
| | 11:10:00 PDT 18:10-GMT | Body Position: 171° / 574 m Direction: West; Behavior: Slow travel | |
| | 11:11:00 PDT 18:11-GMT | Blow Position: 181° / 550 m Direction: West; Behavior: Slow travel | |
| | 11:15:00 PDT 18:15-GMT | Blow Position: 221° / 508 m Direction: West; Behavior: Slow travel | |
| | 11:16:00 PDT 18:16-GMT | Body Position: 227° / 489 m Direction: West; Behavior: Slow travel | |
| | 11:21:00 PDT 18:21-GMT | Blow Position: 270° / 778 m Direction: West; Behavior: Slow travel | |
| | 11:27:00 PDT 18:27-GMT | Blow Position: 287° / 1020 m Direction: West; Behavior: Slow travel | Inside |
| May 18 Total 3 Calves 1 Day 97 of 98 | Gray whale (northbound) | | |
| Sighting Number | 02 | Fair - 2 | Total 2 — 1 Calf at sighting |
| Images: 6992-7022 | 9:02:00 PDT 16:02-GMT | — / Blow Position: 110° / 1208 m Direction: West; Behavior: Slow travel | <i>Easy to track but not much surfacing except a fair arch by mama in front of Point - whales confronted by (or accompanied by) Tts from slip stream kelp (Er outside/ Tt inside), and along Sands kelp. Er turned around circling back east with Tt in area. After bubble burst Er continued along surf line toward Ellwood.</i> |
| | 9:04:00 PDT 16:04-GMT | Blow Position: 111° / 1483 m Direction: West; Behavior: Slow travel | |
| | 9:07:00 PDT 16:07-GMT | Blow Position: 116° / 1208 m Direction: West; Behavior: Slow travel | |
| | 9:11:00 PDT 16:11-GMT | Blow Position: 132° / 778 m Direction: West; Behavior: Slow travel | |
| | 9:12:00 PDT 16:12-GMT | Blow Position: 140° / 629 m Direction: West; Behavior: Slow travel | |
| | 9:16:00 PDT 16:16-GMT | Blow Position: 176° / 574 m Direction: West; Behavior: Slow travel | |
| | 9:20:00 PDT 16:20-GMT | Blow Position: 212° / 489 m Direction: West; Behavior: Slow travel | |
| | 9:23:00 PDT 16:23-GMT | Blow Position: 237° / 508 m Direction: West; Behavior: Slow travel | |
| | 9:25:00 PDT 16:25-GMT | Blow Position: 253° / 574 m Direction: West; Behavior: Slow travel | |
| | 9:29:00 PDT 16:29-GMT | Blow Position: 274° / 600 m Direction: West; Behavior: Slow travel | <i>with dolphins</i> |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort | Time | CueTip / Saw | Route Past Holly |
|-------------------|------------------|-------------------------|--|------------------|
| | | 9:31:00 PDT | Blow | |
| | | 16:31-GMT | Position: 270° / 574 m Direction: West; Behavior: Slow travel • Bubbles seen | |
| | | 9:35:00 PDT | Blow | |
| | | 16:35-GMT | Position: 282° / 778 m Direction: West; Behavior: Slow travel | |
| | | 9:37:00 PDT | Blow | Inside |
| | | 16:37-GMT | Position: 291° / 827 m Direction: West; Behavior: Slow travel | |
| Sighting Number | 16 | Good - 3 | Total 1 — 0 Calves at sighting | |
| Images: 7149-52 | | 16:26:00 PDT | SD / Blow | |
| | | 23:26-GMT | Position: 229° / 377 m Direction: West; Behavior: Slow travel | |
| | | 16:29:00 PDT | Body | |
| | | 23:29-GMT | Position: 237° / 356 m Direction: West; Behavior: Slow travel | |
| May 19 | Total 4 Calves 2 | Gray whale (northbound) | | |
| Day 98 of 98 | | | | |
| Sighting Number | 08 | Fair - 3 | Total 4 — 2 Calves at sighting | |
| Images: 7154-7292 | | 10:25:00 PDT | — / Blow | |
| | | 17:25-GMT | Position: 102° / 3088 m Direction: West; Behavior: Slow travel | |
| | | | <i>In the glare saw big blows and little blows - half breach/spyhop by a cow at kelp - mini breach - head up by calves - all four together most of the way. Continued along waves at Sands to Ellwood.</i> | |
| | | 10:28:00 PDT | Blow | |
| | | 17:28-GMT | Position: 103° / 2749 m Direction: West; Behavior: Slow travel | |
| | | 10:33:00 PDT | Blow | |
| | | 17:33-GMT | Position: 105° / 2260 m Direction: West; Behavior: Slow travel | |
| | | 10:40:00 PDT | Blow | |
| | | 17:40-GMT | Position: 107° / 1922 m Direction: West; Behavior: Slow travel | |
| | | 10:44:00 PDT | Blow | |
| | | 17:44-GMT | Position: 107° / 1483 m Direction: West; Behavior: Slow travel | |
| | | 10:47:00 PDT | Blow | |
| | | 17:47-GMT | Position: 108° / 1208 m Direction: West; Behavior: Slow travel • Rolling | |
| | | 10:50:00 PDT | Blow | |
| | | 17:50-GMT | Position: 110° / 913 m Direction: West; Behavior: Slow travel • Breach • Rolling | |
| | | 10:52:00 PDT | Body | |
| | | 17:52-GMT | Position: 114° / 778 m Direction: West; Behavior: Slow travel • Breach | |
| | | 10:55:00 PDT | Blow | |
| | | 17:55-GMT | Position: 120° / 735 m Direction: West; Behavior: Slow travel | |
| | | 10:58:00 PDT | Blow | |
| | | 17:58-GMT | Position: 135° / 539 m Direction: West; Behavior: Slow travel | |
| | | 11:01:00 PDT | Blow | |
| | | 18:01-GMT | Position: 166° / 382 m Direction: West; Behavior: Slow travel | |
| | | 11:03:00 PDT | Body | |
| | | 18:03-GMT | Position: 209° / 356 m Direction: West; Behavior: Slow travel • Breach | |
| | | 11:06:00 PDT | Blow | |
| | | 18:06-GMT | Position: 237° / 471 m Direction: West; Behavior: Slow travel | |
| | | 11:08:00 PDT | Blow | |
| | | 18:08-GMT | Position: 259° / 539 m Direction: West; Behavior: Slow travel | |

2013 Gray Whales (northbound) Sighting + Tracking, On-Effort

| Daily Totals | Quality-Beaufort Time | CueTip / Saw | Route Past Holly |
|--------------|--------------------------|---|------------------|
| | 11:11:00 PDT | Blow | |
| | 18:11-GMT | Position: 284° / 778 m Direction: West; Behavior: Slow travel | |
| | 11:13:00 PDT | Blow | Inside |
| | 18:13-GMT | Position: 292° / 913 m Direction: West; Behavior: Slow travel | |