



2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Total: 640 Calves: 59 Number of Sightings: 328

Daily Totals	Sighting Number	Quality - Beau Time	Blow/Body	Holly/Buoys
Feb 14 Total 1 Calves 0 Day 18 of 105	05	Fair - 2	Er Total 1 — 0 Calves at sighting	
		11:18:00 PST	Blow	ND / ND
		19:18-GMT	Position: 143° / 871 m Dir: West; Behavior: Slow travel	
Feb 15 Total 2 Calves 0 Day 19 of 105	16	Fair - 4	Er Total 2 — 0 Calves at sighting	
		14:46:00 PST	Blow	
		22:46-GMT	Position: 110° / 1,778 m Dir: West; Behavior: Slow travel	
		14:56:00 PST	Blow	
		22:56-GMT	Position: 120° / 1,113 m Dir: West; Behavior: Slow travel	
		14:57:00 PST	Blow	
		22:57-GMT	Position: 122° / 1,113 m Dir: West; Behavior: Slow travel	
		14:58:00 PST	Blow	
		22:58-GMT	Position: 123° / 1,019 m Dir: West; Behavior: Slow travel	
		15:02:00 PST	Blow	
		23:02-GMT	Position: 132° / 1,778 m Dir: West; Behavior: Slow travel	
		15:03:00 PST	Blow	
		23:03-GMT	Position: 137° / 1,228 m Dir: West; Behavior: Slow travel	
		15:08:00 PST	Blow	
		23:08-GMT	Position: 155° / 433 m Dir: West; Behavior: Slow travel	
		15:09:00 PST	Blow	
		23:09-GMT	Position: 171° / 356 m Dir: West; Behavior: Slow travel	

KEY: Quality is overall observation quality. The number is Beaufort scale. Blow or Body is what we saw first 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. Holly is the oil platform 2 miles offshore, to the southwest. For northbound Gray whales, we note if the whales passed inside (between Holly and Counter Point) or outside, (on the ocean side of the platform).

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

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2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Bouys
			15:12:00 PST	Blow	
			23:12-GMT	Position: 202° / 378 m Dir: West; Behavior: Slow travel	
			15:19:00 PST	Blow	
			23:19-GMT	Position: 250° / 871 m Dir: West; Behavior: Slow travel	
			15:21:00 PST	Blow	Inside /
			23:21-GMT	Position: 257° / 1,019 m Dir: West; Behavior: Slow travel	Outside

Feb 16 Total 1 Calves 0
Day 20 of 105

06 Good - 1 *Er* Total 1 — 0 Calves at sighting

			14:03:00 PST	Blow	
			22:03-GMT	Position: 198° / 2,553 m Dir: West; Behavior: Slow travel	
			14:32:00 PST	Blow	ND / ND
			22:32-GMT	Position: 204° / 3,288 m Dir: West; Behavior: Slow travel	

Feb 17 Total 2 Calves 0
Day 21 of 105

12 Good - 1 *Er* Total 1 — 0 Calves at sighting

			11:17:00 PST	Blow	
			19:17-GMT	Position: 97° / 2,872 m Dir: West; Behavior: Slow travel	
			<i>Condor on Whale</i>		
			11:22:00 PST	Blow	
			19:22-GMT	Position: 101° / 2,553 m Dir: West; Behavior: Slow travel	
			11:29:00 PST	Blow	
			19:29-GMT	Position: 104° / 2,553 m Dir: West; Behavior: Slow travel	
			11:31:00 PST	Blow	
			19:31-GMT	Position: 106° / 2,094 m Dir: West; Behavior: Slow travel	
			11:34:00 PST	Blow	
			19:34-GMT	Position: 107° / 1,778 m Dir: West; Behavior: Slow travel	
			11:36:00 PST	Blow	
			19:36-GMT	Position: 112° / 1,778 m Dir: West; Behavior: Slow travel	
			11:40:00 PST	Blow	
			19:40-GMT	Position: 115° / 1,294 m Dir: West; Behavior: Slow travel	
			11:42:00 PST	Blow	
			19:42-GMT	Position: 120° / 1,019 m Dir: West; Behavior: Slow travel	
			11:44:00 PST	Blow	
			19:44-GMT	Position: 122° / 939 m Dir: West; Behavior: Slow travel	
			11:46:00 PST	Body	
			19:46-GMT	Position: 132° / 812 m Dir: West; Behavior: Slow travel	
			11:49:00 PST	Blow	
			19:49-GMT	Position: 150° / 505 m Dir: West; Behavior: Slow travel	
			11:52:00 PST	Blow	
			19:52-GMT	Position: 182° / 433 m Dir: West; Behavior: Slow travel	
			11:53:00 PST	Blow	
			19:53-GMT	Position: 203° / 404 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		11:56:00 PST	Blow	
		19:56-GMT	Position: 237° / 527 m Dir: West; Behavior: Slow travel	
		11:58:00 PST	Blow	
		19:58-GMT	Position: 249° / 675 m Dir: West; Behavior: Slow travel	
		12:00:00 PST	Blow	
		20:00-GMT	Position: 258° / 840 m Dir: West; Behavior: Slow travel	
		12:06:00 PST	Body	Inside /
		20:06-GMT	Position: 274° / 1,778 m Dir: West; Behavior: Slow travel	Outside
	20	Fair - 3	Er Total 1 — 0 Calves at sighting	
		14:10:00 PST	Blow	
		22:10-GMT	Position: 118° / 2,872 m Dir: West; Behavior: Slow travel	
		14:31:00 PST	Blow	
		22:31-GMT	Position: 126° / 2,553 m Dir: West; Behavior: Slow travel	
		14:35:00 PST	Blow	
		22:35-GMT	Position: 132° / 2,553 m Dir: West; Behavior: Slow travel	
		14:39:00 PST	Blow	
		22:39-GMT	Position: 134° / 2,553 m Dir: West; Behavior: Slow travel	
		14:41:00 PST	Body	
		22:41-GMT	Position: 139° / 2,094 m Dir: West; Behavior: Slow travel	
		14:44:00 PST	Blow	
		22:44-GMT	Position: 147° / 1,778 m Dir: West; Behavior: Slow travel	
		14:51:00 PST	Blow	
		22:51-GMT	Position: 163° / 1,546 m Dir: West; Behavior: Slow travel	
		14:56:00 PST	Blow	
		22:56-GMT	Position: 186° / 1,369 m Dir: West; Behavior: Slow travel	
		14:57:00 PST	Blow	
		22:57-GMT	Position: 191° / 1,228 m Dir: West; Behavior: Slow travel	
		15:12:00 PST	Blow	
		23:12-GMT	Position: 240° / 1,778 m Dir: West; Behavior: Slow travel	
		15:17:00 PST	Blow	Inside /
		23:17-GMT	Position: 250° / 2,094 m Dir: West; Behavior: Slow travel	Outside

Feb 19 Total 2 Calves 0
Day 23 of 105

	13	Poor - 1	Er Total 2 — 0 Calves at sighting	
		12:41:00 PST	Body	
		20:41-GMT	Position: 138° / 939 m Dir: West; Behavior: Slow travel	
		12:44:00 PST	ni	
		20:44-GMT	Position: 159° / 639 m Dir: West; Behavior: Slow travel	
		12:47:00 PST	Blow	
		20:47-GMT	Position: 184° / 505 m Dir: West; Behavior: Slow travel • Rolling	
		12:53:00 PST	Blow	
		20:53-GMT	Position: 196° / 485 m Dir: West; Behavior: Slow travel	
		12:56:00 PST	Blow	
		20:56-GMT	Position: 225° / 505 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau Time	Blow/Body	Holly/Bouys
		12:59:00 PST	Blow	
		20:59-GMT	Position: 262° / 505 m Dir: West; Behavior: Slow travel • Fluke	
		13:01:00 PST	Blow	
		21:01-GMT	Position: 259° / 505 m Dir: West; Behavior: Slow travel	
		13:04:00 PST	Body	
		21:04-GMT	Position: 266° / 1,369 m Dir: West; Behavior: Slow travel • Fluke	
		13:07:00 PST	Blow	Inside /
		21:07-GMT	Position: 271° / 1,228 m Dir: West; Behavior: Slow travel • Fluke	Outside

Feb 24 Total 5 Calves 0
Day 28 of 105

02 Fair - 2 Er Total 1 — 0 Calves at sighting

11:41:00 PST	Blow	
19:41-GMT	Position: 113° / 2,094 m Dir: West; Behavior: Slow travel	
11:47:00 PST	Blow	
19:47-GMT	Position: 132° / 1,294 m Dir: West; Behavior: Slow travel	
11:53:00 PST	Blow	ND / ND
19:53-GMT	Position: 164° / 761 m Dir: West; Behavior: Slow travel	
<i>Amidst 15 foot-plus surf (just beyond breakers)</i>		
<i>Lost in swells?</i>		

04 Fair - 3 Er Total 3 — 0 Calves at sighting

12:34:00 PST	Blow	
20:34-GMT	Position: 147° / 871 m Dir: West; Behavior: Slow travel • Fluke	
12:40:00 PST	Blow	
20:40-GMT	Position: 181° / 871 m Dir: West; Behavior: Slow travel	
12:45:00 PST	Blow	
20:45-GMT	Position: 215° / 1,228 m Dir: West; Behavior: Slow travel	
12:49:00 PST	Blow	
20:49-GMT	Position: 236° / 1,778 m Dir: West; Behavior: not indicated	
12:53:00 PST	Blow	
20:53-GMT	Position: 248° / 2,094 m Dir: West; Behavior: not indicated	
13:01:00 PST	Blow	Inside /
21:01-GMT	Position: 256° / 2,872 m Dir: West; Behavior: not indicated	Outside
<i>More haze</i>		

07 Poor - 3 Er Total 1 — 0 Calves at sighting

16:36:00 PST	Blow	
0:36; 2/25/2008-GMT	Position: 212° / 1,778 m Dir: West; Behavior: Slow travel	
16:45:00 PST	ni	Inside /
0:45; 2/25/2008-GMT	Position: 238° / 1,546 m Dir: West; Behavior: Slow travel	Outside

Feb 25 Total 4 Calves 0
Day 29 of 105

05 Good - 2 Er Total 1 — 0 Calves at sighting

11:56:00 PST	Blow	
19:56-GMT	Position: 107° / 2,553 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		12:00:00 PST	Blow	
		20:00-GMT	Position: 112° / 2,553 m Dir: West; Behavior: Slow travel	
		12:06:00 PST	Blow	
		20:06-GMT	Position: 118° / 1,546 m Dir: West; Behavior: Slow travel • Fluke	
		12:13:00 PST	Blow	
		20:13-GMT	Position: 130° / 1,113 m Dir: West; Behavior: Slow travel	
		12:20:00 PST	Blow	
		20:20-GMT	Position: 190° / 551 m Dir: West; Behavior: Slow travel • Fluke	
		12:24:00 PST	Blow	
		20:24-GMT	Position: 239° / 761 m Dir: West; Behavior: Slow travel • Fluke	
		12:30:00 PST	Blow	Inside /
		20:30-GMT	Position: 261° / 1,228 m Dir: West; Behavior: Slow travel • Fluke	Outside
	06	Good - 3	Er Total 3 — 0 Calves at sighting	
		12:49:00 PST	Blow	
		20:49-GMT	Position: 142° / 3,288 m Dir: West; Behavior: Slow travel	
		13:02:00 PST	Blow	
		21:02-GMT	Position: 163° / 2,553 m Dir: West; Behavior: Slow travel	
		13:04:00 PST	Blow	
		21:04-GMT	Position: 167° / 2,553 m Dir: West; Behavior: Slow travel	
		13:09:00 PST	Blow	
		21:09-GMT	Position: 181° / 2,553 m Dir: West; Behavior: Slow travel	
		13:10:00 PST	Blow	
		21:10-GMT	Position: 184° / 2,553 m Dir: West; Behavior: Slow travel	
		13:17:00 PST	Blow	
		21:17-GMT	Position: 195° / 2,553 m Dir: West; Behavior: Slow travel	
		13:18:00 PST	Body	
		21:18-GMT	Position: 198° / 2,872 m Dir: West; Behavior: Slow travel	
		13:24:00 PST	Blow	
		21:24-GMT	Position: 212° / 2,872 m Dir: West; Behavior: Slow travel	
		13:25:00 PST	Blow	
		21:25-GMT	Position: 215° / 2,872 m Dir: West; Behavior: Slow travel	
		13:30:00 PST	Blow	
		21:30-GMT	Position: 226° / 2,553 m Dir: West; Behavior: Slow travel	
		13:31:00 PST	Blow	
		21:31-GMT	Position: 230° / 2,872 m Dir: West; Behavior: Slow travel	
		13:33:00 PST	Blow	
		21:33-GMT	Position: 227° / 3,288 m Dir: West; Behavior: Slow travel	
		13:33:00 PST	Blow	
		21:33-GMT	Position: 229° / 3,288 m Dir: West; Behavior: Slow travel	
		13:51:00 PST	Blow	
		21:51-GMT	Position: 249° / 3,288 m Dir: West; Behavior: Slow travel	
		13:52:00 PST	Blow	Outside /
		21:52-GMT	Position: 252° / 3,288 m Dir: West; Behavior: not indicated	Outside

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau Time	Blow/Body	Holly/Bouys
Feb 26 Total 7 Calves 0 Day 30 of 105				
	11	Good - 0	Er Total 2 — 0 Calves at sighting	
		10:38:00 PST	Blow	
		18:38-GMT	Position: 134° / 2,553 m Dir: West; Behavior: Slow travel	
		10:41:00 PST	Blow	
		18:41-GMT	Position: 136° / 3,288 m Dir: West; Behavior: Slow travel	
		10:42:00 PST	Blow	
		18:42-GMT	Position: 138° / 3,288 m Dir: West; Behavior: Slow travel	
		10:49:00 PST	Blow	
		18:49-GMT	Position: 145° / 2,094 m Dir: West; Behavior: Slow travel	
		10:49:00 PST	Blow	
		18:49-GMT	Position: 143° / 2,094 m Dir: West; Behavior: Slow travel • Fluke <i>Little fluke on last sighting</i>	
		10:56:00 PST	Blow	
		18:56-GMT	Position: 149° / 2,094 m Dir: West; Behavior: Slow travel	
		10:57:00 PST	Blow	
		18:57-GMT	Position: 150° / 2,094 m Dir: West; Behavior: Slow travel	
		10:58:00 PST	Blow	
		18:58-GMT	Position: 151° / 2,094 m Dir: West; Behavior: Slow travel	
		10:58:00 PST	Blow	
		18:58-GMT	Position: 154° / 2,094 m Dir: West; Behavior: Slow travel	
		10:58:00 PST	Blow	
		18:58-GMT	Position: 153° / 2,094 m Dir: West; Behavior: Slow travel	
		10:59:00 PST	Blow	
		18:59-GMT	Position: 154° / 2,094 m Dir: West; Behavior: Slow travel	
		11:00:00 PST	Blow	
		19:00-GMT	Position: 155° / 2,094 m Dir: West; Behavior: Slow travel	
		11:05:00 PST	Blow	
		19:05-GMT	Position: 166° / 1,778 m Dir: West; Behavior: Slow travel	
		11:05:00 PST	Blow	
		19:05-GMT	Position: 167° / 2,094 m Dir: West; Behavior: Slow travel	
		11:06:00 PST	Body	
		19:06-GMT	Position: 168° / 2,094 m Dir: West; Behavior: Slow travel	
		11:06:00 PST	Blow	
		19:06-GMT	Position: 169° / 2,094 m Dir: West; Behavior: Slow travel	
		11:07:00 PST	Blow	
		19:07-GMT	Position: 171° / 2,094 m Dir: West; Behavior: Slow travel	
		11:14:00 PST	Blow	
		19:14-GMT	Position: 186° / 1,778 m Dir: West; Behavior: not indicated	
		11:14:00 PST	Blow	
		19:14-GMT	Position: 186° / 2,094 m Dir: West; Behavior: not indicated	
		11:14:00 PST	Blow	
		19:14-GMT	Position: 188° / 2,094 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Bouys
			11:14:00 PST	Blow	
			19:14-GMT	Position: 188° / 2,094 m Dir: West; Behavior: Slow travel	
			11:14:00 PST	Blow	
			19:14-GMT	Position: 189° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	
			11:15:00 PST	Blow	
			19:15-GMT	Position: 189° / 1,778 m Dir: West; Behavior: Slow travel	
			11:23:00 PST	Blow	
			19:23-GMT	Position: 205° / 2,094 m Dir: West; Behavior: Slow travel • Breach	
				<i>5 breaches! (1123-1125)</i>	
			11:28:00 PST	Blow	ND / Outside
			19:28-GMT	Position: 225° / 2,553 m Dir: West; Behavior: Slow travel	
	22	Good - 1	Er Total 3 — 0 Calves at sighting		
			14:43:00 PST	Blow	
			22:43-GMT	Position: 164° / 2,094 m Dir: West; Behavior: Fluke	
			14:45:00 PST	Blow	
			22:45-GMT	Position: 169° / 2,094 m Dir: West; Behavior: Slow travel	
			14:51:00 PST	Blow	
			22:51-GMT	Position: 182° / 1,778 m Dir: West; Behavior: Slow travel	
			14:53:00 PST	Blow	
			22:53-GMT	Position: 185° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	
			15:00:00 PST	Blow	
			23:00-GMT	Position: 207° / 1,778 m Dir: West; Behavior: Slow travel • Rolling	
			15:06:00 PST	Blow	
			23:06-GMT	Position: 223° / 1,778 m Dir: West; Behavior: Slow travel	
				<i>Breathed only once</i>	
			15:20:00 PST	Blow	
			23:20-GMT	Position: 245° / 2,553 m Dir: West; Behavior: Slow travel	
				<i>Elongate downtime while crossing Holly</i>	
			15:29:00 PST	Blow	Inside /
			23:29-GMT	Position: 259° / 3,288 m Dir: West; Behavior: Slow travel	Outside
	30	Good - 1	Er Total 2 — 0 Calves at sighting		
			16:59:00 PST	Blow	
			0:59;	Position: 137° / 2,553 m Dir: West; Behavior: Fluke	
			2/27/2008-GMT		
			17:15:00 PST	Blow	
			1:15;	Position: 174° / 1,778 m Dir: West; Behavior: Slow travel	
			2/27/2008-GMT		
			17:24:00 PST	Blow	Inside /
			1:24;	Position: 207° / 1,369 m Dir: West; Behavior: not indicated	Outside
			2/27/2008-GMT		

Feb 27 Total 3 Calves 0
Day 31 of 105

01	Fair - 0	Er Total 1 — 0 Calves at sighting			
			9:09:00 PST	Blow	
			17:09-GMT	Position: 163° / 2,872 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Bouys
			9:37:00 PST	Body	
			17:37-GMT	Position: 212° / 2,553 m Dir: West; Behavior: Slow travel	
			9:47:00 PST	Blow	Outside /
			17:47-GMT	Position: 227° / 2,872 m Dir: West; Behavior: Slow travel	Outside
			<i>May have been more than one - very difficult to track - low profile</i>		
	15	Fair - 1	Er Total 2 — 0 Calves at sighting		
			16:21:00 PST	Blow	
			0:21;	Position: 214° / 761 m Dir: West; Behavior: Slow travel	
			2/28/2008-GMT		
			16:31:00 PST	Blow	
			0:31;	Position: 224° / 871 m Dir: West; Behavior: Slow travel	
			2/28/2008-GMT		
			16:40:00 PST	Blow	Inside /
			0:40;	Position: 240° / 1,228 m Dir: West; Behavior: Slow travel	Outside
			2/28/2008-GMT		
			<i>Slow with faint blows</i>		

Feb 28 Total 2 Calves 0
Day 32 of 105

	21	Fair - 2	Er Total 2 — 0 Calves at sighting		
			13:49:00 PST	Blow	
			21:49-GMT	Position: 261° / 3,288 m Dir: West; Behavior: Slow travel	
			13:57:00 PST	Body	ND / Outside
			21:57-GMT	Position: 264° / 3,288 m Dir: West; Behavior: Slow travel	
			<i>From where the whales were first seen, it is likely they came from outside our range</i>		

Feb 29 Total 3 Calves 0
Day 33 of 105

	03	Poor - 1	Er Total 3 — 0 Calves at sighting		
			13:06:00 PST	Blow	
			21:06-GMT	Position: 117° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
			13:14:00 PST	Blow	
			21:14-GMT	Position: 122° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
			13:22:00 PST	Blow	
			21:22-GMT	Position: 129° / 1,778 m Dir: West; Behavior: Slow travel	
			13:26:00 PST	Blow	
			21:26-GMT	Position: 138° / 1,778 m Dir: West; Behavior: Slow travel	
			13:30:00 PST	Blow	
			21:30-GMT	Position: 147° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
			13:33:00 PST	Blow	
			21:33-GMT	Position: 154° / 1,778 m Dir: West; Behavior: Slow travel	
			13:36:00 PST	Body	
			21:36-GMT	Position: 160° / 1,778 m Dir: West; Behavior: Slow travel	
			13:40:00 PST	Body	
			21:40-GMT	Position: 165° / 2,094 m Dir: West; Behavior: Slow travel	
			13:56:00 PST	Blow	
			21:56-GMT	Position: 218° / 1,546 m Dir: West; Behavior: Slow travel • Fluke	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Blow/Body	Holly/Bouys
		Time		
		14:02:00 PST	Blow	Inside /
		22:02-GMT	Position: 235° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	Outside

Mar 01 Total **2** Calves **0**
Day 34 of 105

30	Good - 3	<i>Er Total 1 — 0 Calves at sighting</i>		
		16:09:00 PST	Blow	
		0:09;	Position: 121° / 1,228 m Dir: West; Behavior: Slow travel	
		3/2/2008-GMT		
		16:18:00 PST	Blow	
		0:18;	Position: 160° / 449 m Dir: West; Behavior: Slow travel	
		3/2/2008-GMT		
		16:21:00 PST	Blow	
		0:21;	Position: 200° / 390 m Dir: West; Behavior: Slow travel	
		3/2/2008-GMT		
		16:30:00 PST	Body	
		0:30;	Position: 249° / 607 m Dir: West; Behavior: Breach	
		3/2/2008-GMT		
		16:41:00 PST	Blow	
		0:41;	Position: 276° / 1,778 m Dir: West; Behavior: Slow travel	
		3/2/2008-GMT		
		16:45:00 PST	Blow	Inside /
		0:45;	Position: 280° / 1,778 m Dir: West; Behavior: Slow travel	Outside
		3/2/2008-GMT		

32	Good - 3	<i>Er Total 1 — 0 Calves at sighting</i>		
		16:48:00 PST	ni	
		0:48;	Position: 104° / 2,553 m Dir: West; Behavior: not indicated	
		3/2/2008-GMT		
		16:57:00 PST	Blow	
		0:57;	Position: 111° / 2,553 m Dir: West; Behavior: Slow travel	
		3/2/2008-GMT		
		17:02:00 PST	Blow	
		1:02;	Position: 116° / 1,778 m Dir: West; Behavior: Slow travel	
		3/2/2008-GMT		
		17:07:00 PST	Blow	
		1:07;	Position: 123° / 1,369 m Dir: West; Behavior: Slow travel	
		3/2/2008-GMT		
		17:13:00 PST	Blow	ND / ND
		1:13;	Position: 141° / 1,019 m Dir: West; Behavior: Slow travel	
		3/2/2008-GMT		

Mar 02 Total **6** Calves **0**
Day 35 of 105

01	Fair - 1	<i>Er Total 2 — 0 Calves at sighting</i>		
		8:57:00 PST	Blow	
		16:57-GMT	Position: 184° / 551 m Dir: West; Behavior: Slow travel	
		9:02:00 PST	Blow	
		17:02-GMT	Position: 239° / 639 m Dir: West; Behavior: Slow travel	
		9:07:00 PST	Blow	
		17:07-GMT	Position: 252° / 1,019 m Dir: West; Behavior: Slow travel • Fluke	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		9:12:00 PST	Blow	Inside /
		17:12-GMT	Position: 263° / 1,778 m Dir: West; Behavior: Slow travel	Outside
	04	Fair - 2	Er Total 3 — 0 Calves at sighting	
		10:11:00 PST	Blow	
		18:11-GMT	Position: 124° / 2,553 m Dir: West; Behavior: Slow travel	
		10:24:00 PST	Blow	
		18:24-GMT	Position: 130° / 2,553 m Dir: West; Behavior: Slow travel	
		10:28:00 PST	Blow	
		18:28-GMT	Position: 143° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	
		10:34:00 PST	Blow	
		18:34-GMT	Position: 156° / 1,369 m Dir: West; Behavior: not indicated	
		10:39:00 PST	Blow	
		18:39-GMT	Position: 177° / 1,228 m Dir: West; Behavior: not indicated	
		11:01:00 PST	Blow	Inside /
		19:01-GMT	Position: 251° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	Outside
	05	Fair - 2	Er Total 1 — 0 Calves at sighting	
		10:26:00 PST	Blow	
		18:26-GMT	Position: 120° / 1,546 m Dir: West; Behavior: Slow travel	
		10:30:00 PST	Blow	
		18:30-GMT	Position: 144° / 871 m Dir: West; Behavior: Slow travel	
		10:32:00 PST	Blow	
		18:32-GMT	Position: 154° / 715 m Dir: West; Behavior: Slow travel • Fluke	
		10:35:00 PST	Blow	
		18:35-GMT	Position: 194° / 527 m Dir: West; Behavior: Slow travel	
		10:38:00 PST	Blow	Inside / ND
		18:38-GMT	Position: 231° / 639 m Dir: West; Behavior: not indicated	

Mar 03 Total 4 Calves 0
Day 36 of 105

	04	Fair - 1	Er Total 1 — 0 Calves at sighting	
		9:40:00 PST	Body	
		17:40-GMT	Position: 179° / 527 m Dir: West; Behavior: Slow travel	
		<i>Saw fluke and blows before - on phone to BBC</i>		
		9:47:00 PST	Blow	Inside /
		17:47-GMT	Position: 252° / 812 m Dir: West; Behavior: Slow travel	Outside
	05	Good - 1	Er Total 1 — 0 Calves at sighting	
		12:52:00 PST	Blow	
		20:52-GMT	Position: 152° / 318 m Dir: West; Behavior: Slow travel	
		12:54:00 PST	Blow	
		20:54-GMT	Position: 194° / 275 m Dir: West; Behavior: Slow travel	
		12:56:00 PST	Blow	
		20:56-GMT	Position: 235° / 336 m Dir: West; Behavior: Slow travel	
		12:58:00 PST	Blow	
		20:58-GMT	Position: 255° / 346 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting	Quality - Beau	Holly/Bouys
	Number	Time	Blow/Body
		13:02:00 PST	Blow
		21:02-GMT	Position: 281° / 418 m Dir: West; Behavior: Slow travel
			Inside / Inside
	07	Good - 1	Er Total 1 — 0 Calves at sighting
		13:43:00 PST	Blow
		21:43-GMT	Position: 137° / 1,228 m Dir: West; Behavior: Slow travel • Fluke
		13:52:00 PST	Blow
		21:52-GMT	Position: 161° / 812 m Dir: West; Behavior: Slow travel
		14:00:00 PST	Blow
		22:00-GMT	Position: 226° / 812 m Dir: West; Behavior: Slow travel
		14:08:00 PST	Blow
		22:08-GMT	Position: 260° / 1,228 m Dir: West; Behavior: Slow travel
		14:17:00 PST	Blow
		22:17-GMT	Position: 273° / 1,546 m Dir: West; Behavior: Slow travel
			Inside / Outside
	14	Good - 1	Er Total 1 — 0 Calves at sighting
		16:09:00 PST	Blow
		0:09; 3/4/2008-GMT	Position: 198° / 1,369 m Dir: West; Behavior: Slow travel
		16:17:00 PST	Blow
		0:17; 3/4/2008-GMT	Position: 240° / 761 m Dir: West; Behavior: Slow travel
			Inside / ND

Mar 04 Total 2 Calves 0
Day 37 of 105

	07	Good - 0	Er Total 1 — 0 Calves at sighting
		9:28:00 PST	Blow
		17:28-GMT	Position: 130° / 1,546 m Dir: West; Behavior: Slow travel • Fluke
		9:35:00 PST	Blow
		17:35-GMT	Position: 153° / 761 m Dir: West; Behavior: Slow travel • Fluke
		9:41:00 PST	Blow
		17:41-GMT	Position: 190° / 346 m Dir: West; Behavior: Slow travel
		9:45:00 PST	Blow
		17:45-GMT	Position: 219° / 495 m Dir: West; Behavior: Slow travel
		9:49:00 PST	Blow
		17:49-GMT	Position: 255° / 551 m Dir: West; Behavior: Slow travel
			NI / NI
	28	Good - 1	Er Total 1 — 0 Calves at sighting
		16:16:00 PST	Blow
		0:16; 3/5/2008-GMT	Position: 107° / 2,872 m Dir: West; Behavior: Slow travel • Fluke
		16:23:00 PST	Blow
		0:23; 3/5/2008-GMT	Position: 114° / 2,553 m Dir: West; Behavior: Slow travel • Fluke
			<i>vessel sighting #29 approached head on @ 1627- whale under</i>
		16:32:00 PST	Blow
		0:32; 3/5/2008-GMT	Position: 122° / 2,094 m Dir: West; Behavior: Slow travel • Fluke

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Blow/Body	Holly/Bouys
		Time		
		16:39:00 PST	Blow	
		0:39; 3/5/2008-GMT	Position: 141° / 1,228 m Dir: West; Behavior: Slow travel	
		16:48:00 PST	Blow	Inside /
		0:48; 3/5/2008-GMT	Position: 204° / 449 m Dir: West; Behavior: Slow travel • Fluke	Outside

Mar 05 Total 1 Calves 0
Day 38 of 105

23 Fair - 3 **Er Total 1 — 0 Calves at sighting**

14:18:00 PST	Blow	
22:18-GMT	Position: 211° / 1,778 m Dir: West; Behavior: Slow travel	
14:33:00 PST	Blow	Inside /
22:33-GMT	Position: 249° / 2,553 m Dir: West; Behavior: Slow travel	Outside

Mar 06 Total 7 Calves 0
Day 39 of 105

01 Fair - 0 **Er Total 1 — 0 Calves at sighting**

9:04:00 PST	Blow	
17:04-GMT	Position: 130° / 232 m Dir: West; Behavior: Slow travel	
9:14:00 PST	Blow	
17:14-GMT	Position: 164° / 675 m Dir: West; Behavior: Slow travel	
9:16:00 PST	Blow	
17:16-GMT	Position: 198° / 505 m Dir: West; Behavior: Slow travel	
9:18:00 PST	Blow	
17:18-GMT	Position: 233° / 639 m Dir: West; Behavior: Slow travel	
9:22:00 PST	Blow	
17:22-GMT	Position: 256° / 1,369 m Dir: West; Behavior: Slow travel	
9:31:00 PST	Blow	Inside /
17:31-GMT	Position: 270° / 1,778 m Dir: West; Behavior: Slow travel	Outside

06 Fair - 0 **Er Total 2 — 0 Calves at sighting**

9:33:00 PST	Blow	
17:33-GMT	Position: 142° / 1,369 m Dir: West; Behavior: Slow travel • Fluke	
	<i>Images of breach. Snorkeling after breach.</i>	
9:37:00 PST	Body	
17:37-GMT	Position: 155° / 1,019 m Dir: West; Behavior: Slow travel • Breach	
9:45:00 PST	Body	
17:45-GMT	Position: 214° / 607 m Dir: West; Behavior: Slow travel	
9:50:00 PST	Body	Inside /
17:50-GMT	Position: 254° / 812 m Dir: West; Behavior: Slow travel	Outside

07 Fair - 0 **Er Total 1 — 0 Calves at sighting**

9:39:00 PST	Blow	
17:39-GMT	Position: 152° / 3,288 m Dir: West; Behavior: Slow travel	
10:04:00 PST	Body	ND / Outside
18:04-GMT	Position: 226° / 2,553 m Dir: West; Behavior: Slow travel	
	<i>probably went outside of Holly. No blows seen after 138/.2</i>	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Bouys
	12	Fair - 2	Er Total 2 — 0 Calves at sighting		
			11:17:00 PST	Blow	
			19:17-GMT	Position: 99° / 3,288 m Dir: West; Behavior: Slow travel	
			11:18:00 PST	Blow	
			19:18-GMT	Position: 106° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	
			11:27:00 PST	Blow	
			19:27-GMT	Position: 108° / 2,553 m Dir: West; Behavior: Slow travel	
			11:41:00 PST	Blow	
			19:41-GMT	Position: 116° / 1,778 m Dir: West; Behavior: Slow travel	
			11:51:00 PST	Blow	
			19:51-GMT	Position: 160° / 505 m Dir: West; Behavior: Slow travel	
			11:56:00 PST	Blow	
			19:56-GMT	Position: 214° / 527 m Dir: West; Behavior: Slow travel	
			12:01:00 PST	Blow	
			20:01-GMT	Position: 254° / 761 m Dir: West; Behavior: Slow travel • Fluke	
			12:12:00 PST	Blow	Inside /
			20:12-GMT	Position: 269° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	Outside
	13	Fair - 2	Er Total 1 — 0 Calves at sighting		
			11:35:00 PST	Blow	
			19:35-GMT	Position: 119° / 1,369 m Dir: West; Behavior: Slow travel	
			11:38:00 PST	Blow	
			19:38-GMT	Position: 127° / 1,228 m Dir: West; Behavior: Slow travel	
			11:41:00 PST	Blow	
			19:41-GMT	Position: 141° / 1,113 m Dir: West; Behavior: Slow travel	
			11:48:00 PST	Blow	
			19:48-GMT	Position: 188° / 1,228 m Dir: West; Behavior: Slow travel	
			11:53:00 PST	Blow	Inside /
			19:53-GMT	Position: 238° / 715 m Dir: West; Behavior: Slow travel	Outside

Mar 07 Total 1 Calves 0
Day 40 of 105

	12	Good - 2	Er Total 1 — 0 Calves at sighting		
			13:19:00 PST	Blow	
			21:19-GMT	Position: 141° / 4,712 m Dir: West; Behavior: Slow travel	
			13:21:00 PST	Blow	
			21:21-GMT	Position: 145° / 3,288 m Dir: West; Behavior: Slow travel	
			13:39:00 PST	Blow	
			21:39-GMT	Position: 143° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	
			13:47:00 PST	Blow	
			21:47-GMT	Position: 151° / 2,553 m Dir: West; Behavior: Slow travel	
			13:51:00 PST	Blow	
			21:51-GMT	Position: 166° / 1,369 m Dir: West; Behavior: Slow travel	
			13:55:00 PST	Blow	
			21:55-GMT	Position: 180° / 1,019 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		13:59:00 PST	Blow	
		21:59-GMT	Position: 197° / 1,369 m Dir: West; Behavior: Slow travel	
		14:04:00 PST	Blow	
		22:04-GMT	Position: 226° / 1,546 m Dir: West; Behavior: Slow travel	
		14:09:00 PST	Blow	Inside /
		22:09-GMT	Position: 241° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	Outside

Mar 08 Total 3 Calves 0
Day 41 of 105

01 Fair - 2 Er Total 1 — 0 Calves at sighting

8:50:00 PST	Blow	
16:50-GMT	Position: 164° / 1,228 m Dir: West; Behavior: Slow travel	
<i>2 boats traveled over Er - dolphins in the area</i>		
8:54:00 PST	Blow	ND / ND
16:54-GMT	Position: 190° / 1,019 m Dir: West; Behavior: Slow travel	

03 Fair - 1 Er Total 1 — 0 Calves at sighting

9:30:00 PST	Blow	
17:30-GMT	Position: 111° / 1,546 m Dir: West; Behavior: Slow travel	
9:38:00 PST	Blow	
17:38-GMT	Position: 116° / 1,019 m Dir: West; Behavior: Slow travel	
<i>condor on whales @ 103/7</i>		
<i>inflatable traveled over whale @ 110.</i>		
9:48:00 PST	Blow	
17:48-GMT	Position: 163° / 346 m Dir: West; Behavior: Slow travel	
9:53:00 PST	Blow	
17:53-GMT	Position: 246° / 418 m Dir: West; Behavior: Slow travel	
9:55:00 PST	Blow	
17:55-GMT	Position: 254° / 607 m Dir: West; Behavior: Slow travel	
9:59:00 PST	Blow	Inside /
17:59-GMT	Position: 274° / 761 m Dir: West; Behavior: Slow travel	Through

08 Fair - 2 Er Total 1 — 0 Calves at sighting

11:24:00 PST	Blow	
19:24-GMT	Position: 161° / 761 m Dir: West; Behavior: Slow travel	
11:28:00 PST	Blow	
19:28-GMT	Position: 197° / 812 m Dir: West; Behavior: Slow travel	
11:35:00 PST	Blow	Inside /
19:35-GMT	Position: 237° / 1,113 m Dir: West; Behavior: Slow travel	Outside

Mar 09 Total 9 Calves 0
Day 42 of 105

04 Fair - 0 Er Total 2 — 0 Calves at sighting

9:14:00 PDT	Blow	
16:14-GMT	Position: 128° / 2,094 m Dir: West; Behavior: Slow travel	
10:08:00 PDT	Blow	ND / ND
17:08-GMT	Position: 276° / 4,712 m Dir: West; Behavior: Slow travel • Fluke	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Bouys
	13	Fair - 0	Total 3 — 0 Calves at sighting		
			11:21:00 PDT	Blow	
			18:21-GMT	Position: 123° / 3,288 m Dir: West; Behavior: Slow travel	
			11:34:00 PDT	Blow	
			18:34-GMT	Position: 130° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
			11:41:00 PDT	Blow	
			18:41-GMT	Position: 132° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
			11:45:00 PDT	Blow	
			18:45-GMT	Position: 134° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
			11:49:00 PDT	Blow	
			18:49-GMT	Position: 136° / 2,553 m Dir: West; Behavior: Slow travel	
				<i>with sea lions, birds</i>	
			11:52:00 PDT	Blow	
			18:52-GMT	Position: 137° / 2,872 m Dir: West; Behavior: Slow travel	
			11:56:00 PDT	Blow	
			18:56-GMT	Position: 138° / 2,553 m Dir: West; Behavior: Slow travel	
			11:59:00 PDT	Blow	
			18:59-GMT	Position: 141° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
			12:03:00 PDT	Blow	
			19:03-GMT	Position: 149° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	
			12:08:00 PDT	Blow	
			19:08-GMT	Position: 165° / 1,546 m Dir: West; Behavior: Slow travel	
			12:11:00 PDT	Blow	
			19:11-GMT	Position: 172° / 1,546 m Dir: West; Behavior: Slow travel	
			12:15:00 PDT	Blow	
			19:15-GMT	Position: 183° / 1,546 m Dir: West; Behavior: Slow travel • Rolling	
			12:17:00 PDT	Blow	
			19:17-GMT	Position: 188° / 2,094 m Dir: West; Behavior: Slow travel • Rolling	
			12:20:00 PDT	Blow	
			19:20-GMT	Position: 191° / 2,094 m Dir: West; Behavior: Slow travel • Rolling	
			12:26:00 PDT	Blow	
			19:26-GMT	Position: 199° / 1,778 m Dir: West; Behavior: Slow travel	
			12:29:00 PDT	Blow	
			19:29-GMT	Position: 206° / 2,094 m Dir: West; Behavior: Slow travel	
			12:33:00 PDT	Blow	
			19:33-GMT	Position: 210° / 2,094 m Dir: West; Behavior: Slow travel	
			12:48:00 PDT	Blow	
			19:48-GMT	Position: 233° / 2,553 m Dir: West; Behavior: Slow travel	
			12:53:00 PDT	Blow	Inside /
			19:53-GMT	Position: 240° / 2,553 m Dir: West; Behavior: Slow travel	Outside
	22	Good - 0	Er Total 2 — 0 Calves at sighting		
			13:09:00 PDT	Blow	
			20:09-GMT	Position: 180° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		13:15:00 PDT	Blow	
		20:15-GMT	Position: 189° / 3,288 m Dir: West; Behavior: Slow travel	
		13:19:00 PDT	Blow	
		20:19-GMT	Position: 196° / 3,288 m Dir: West; Behavior: Slow travel	
		13:24:00 PDT	Blow	
		20:24-GMT	Position: 206° / 3,288 m Dir: West; Behavior: Slow travel	
		13:30:00 PDT	Blow	
		20:30-GMT	Position: 216° / 3,288 m Dir: West; Behavior: Slow travel	
		13:38:00 PDT	Blow	
		20:38-GMT	Position: 230° / 3,288 m Dir: West; Behavior: Slow travel	
		13:49:00 PDT	Blow	Outside /
		20:49-GMT	Position: 240° / 4,712 m Dir: West; Behavior: Slow travel	Outside
	23	Good - 0	Er Total 1 — 0 Calves at sighting	
		13:18:00 PDT	Blow	
		20:18-GMT	Position: 121° / 1,228 m Dir: West; Behavior: Slow travel	
		13:22:00 PDT	Blow	
		20:22-GMT	Position: 137° / 939 m Dir: West; Behavior: Slow travel • Fluke	
		13:27:00 PDT	Blow	
		20:27-GMT	Position: 162° / 639 m Dir: West; Behavior: Slow travel	
		13:31:00 PDT	Blow	
		20:31-GMT	Position: 226° / 607 m Dir: West; Behavior: Slow travel	
		13:44:00 PDT	Blow	Inside / ND
		20:44-GMT	Position: 281° / 1,546 m Dir: West; Behavior: Slow travel • Fluke	
	30	Good - 1	Er Total 1 — 0 Calves at sighting	
		15:32:00 PDT	Blow	
		22:32-GMT	Position: 109° / 4,712 m Dir: West; Behavior: Slow travel	
			<i>the one blow wonder</i>	
		15:38:00 PDT	Blow	
		22:38-GMT	Position: 117° / 3,288 m Dir: West; Behavior: Slow travel	
		15:42:00 PDT	Blow	
		22:42-GMT	Position: 118° / 3,288 m Dir: West; Behavior: Slow travel	
		15:47:00 PDT	Blow	
		22:47-GMT	Position: 125° / 2,553 m Dir: West; Behavior: Slow travel	
		15:53:00 PDT	Blow	
		22:53-GMT	Position: 129° / 2,094 m Dir: West; Behavior: Slow travel	
		15:56:00 PDT	Blow	
		22:56-GMT	Position: 137° / 1,778 m Dir: West; Behavior: Slow travel	
		15:58:00 PDT	Blow	
		22:58-GMT	Position: 143° / 1,778 m Dir: West; Behavior: Slow travel	
		16:02:00 PDT	Blow	
		23:02-GMT	Position: 157° / 1,228 m Dir: West; Behavior: Slow travel	
		16:04:00 PDT	Blow	
		23:04-GMT	Position: 165° / 1,019 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting	Quality - Beau	Blow/Body	Holly/Bouys
	Number	Time		
		16:11:00 PDT	Blow	
		23:11-GMT	Position: 214° / 840 m Dir: West; Behavior: Slow travel	
		16:20:00 PDT	Blow	
		23:20-GMT	Position: 256° / 1,228 m Dir: West; Behavior: Slow travel	
		16:22:00 PDT	Blow	
		23:22-GMT	Position: 262° / 1,228 m Dir: West; Behavior: Slow travel	
		16:25:00 PDT	Blow	
		23:25-GMT	Position: 268° / 1,546 m Dir: West; Behavior: Slow travel	
		16:29:00 PDT	Blow	
		23:29-GMT	Position: 275° / 2,094 m Dir: West; Behavior: Slow travel	
		16:46:00 PDT	Blow	Inside /
		23:46-GMT	Position: 269° / 2,553 m Dir: West; Behavior: Slow travel	Outside

Mar 10 Total 16 Calves 0
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07	Good - 0	Er Total 1 — 0 Calves at sighting		
		10:17:00 PDT	Blow	
		17:17-GMT	Position: 143° / 2,094 m Dir: West; Behavior: Slow travel	
		10:23:00 PDT	Blow	
		17:23-GMT	Position: 153° / 2,094 m Dir: West; Behavior: Slow travel	
		10:30:00 PDT	Blow	
		17:30-GMT	Position: 170° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	
		10:37:00 PDT	Body	
		17:37-GMT	Position: 196° / 1,778 m Dir: West; Behavior: Slow travel	
		10:45:00 PDT	Body	
		17:45-GMT	Position: 224° / 1,294 m Dir: West; Behavior: Slow travel	
			<i>condor following whale @ 1042</i>	
		10:48:00 PDT	Body	Inside /
		17:48-GMT	Position: 240° / 2,553 m Dir: West; Behavior: Slow travel	Outside
08	Good - 0	Er Total 2 — 0 Calves at sighting		
		11:01:00 PDT	Blow	
		18:01-GMT	Position: 110° / 3,288 m Dir: West; Behavior: Slow travel	
		11:04:00 PDT	Blow	
		18:04-GMT	Position: 112° / 2,872 m Dir: West; Behavior: Slow travel	
		11:05:00 PDT	Blow	
		18:05-GMT	Position: 114° / 2,872 m Dir: West; Behavior: Slow travel	
		11:11:00 PDT	Blow	
		18:11-GMT	Position: 116° / 2,553 m Dir: West; Behavior: Slow travel	
		11:14:00 PDT	Blow	
		18:14-GMT	Position: 119° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
		11:16:00 PDT	Blow	
		18:16-GMT	Position: 120° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
		11:20:00 PDT	Blow	
		18:20-GMT	Position: 123° / 2,094 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		11:28:00 PDT	Blow	
		18:28-GMT	Position: 133° / 1,369 m Dir: West; Behavior: Slow travel • Fluke	
		11:32:00 PDT	Blow	
		18:32-GMT	Position: 153° / 871 m Dir: West; Behavior: Slow travel • Fluke	
		11:37:00 PDT	Blow	
		18:37-GMT	Position: 194° / 675 m Dir: West; Behavior: Slow travel	
		11:53:00 PDT	Blow	Inside /
		18:53-GMT	Position: 244° / 1,113 m Dir: West; Behavior: Slow travel	Outside

still lots of 0 beaufort

09 Good - 1 Er Total 5 — 0 Calves at sighting

		11:08:00 PDT	Blow	
		18:08-GMT	Position: 112° / 3,288 m Dir: West; Behavior: Slow travel	
		11:10:00 PDT	Blow	
		18:10-GMT	Position: 113° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	
		11:13:00 PDT	Blow	
		18:13-GMT	Position: 115° / 2,553 m Dir: West; Behavior: Slow travel	
		11:15:00 PDT	Blow	
		18:15-GMT	Position: 116° / 2,872 m Dir: West; Behavior: Slow travel	
		11:21:00 PDT	Blow	
		18:21-GMT	Position: 120° / 2,553 m Dir: West; Behavior: Slow travel	
		11:22:00 PDT	Blow	
		18:22-GMT	Position: 123° / 2,094 m Dir: West; Behavior: Slow travel	
		11:31:00 PDT	Blow	
		18:31-GMT	Position: 132° / 1,546 m Dir: West; Behavior: Slow travel	
		11:34:00 PDT	ni	
		18:34-GMT	Position: 144° / 1,369 m Dir: West; Behavior: Slow travel	
		11:39:00 PDT	Blow	
		18:39-GMT	Position: 160° / 715 m Dir: West; Behavior: Slow travel	
		11:42:00 PDT	Blow	
		18:42-GMT	Position: 180° / 840 m Dir: West; Behavior: Slow travel • Rolling	
		11:47:00 PDT	Blow	Inside /
		18:47-GMT	Position: 216° / 871 m Dir: West; Behavior: Slow travel • Fluke	Outside

10 Good - 1 Er Total 1 — 0 Calves at sighting

		11:23:00 PDT	Blow	
		18:23-GMT	Position: 124° / 4,712 m Dir: West; Behavior: Slow travel	
		12:03:00 PDT	Blow	
		19:03-GMT	Position: 159° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
		12:10:00 PDT	Blow	
		19:10-GMT	Position: 182° / 2,094 m Dir: West; Behavior: Slow travel	
		12:13:00 PDT	Blow	ND / ND
		19:13-GMT	Position: 200° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	

12 Good - 1 Er Total 3 — 0 Calves at sighting

		13:15:00 PDT	Blow	
		20:15-GMT	Position: 111° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting	Quality - Beau	Blow/Body	Holly/Bouys
	Number	Time		
		13:19:00 PDT	Blow	
		20:19-GMT	Position: 115° / 2,553 m Dir: West; Behavior: Slow travel	
		13:23:00 PDT	Blow	
		20:23-GMT	Position: 117° / 1,778 m Dir: West; Behavior: Slow travel	
		13:25:00 PDT	Blow	
		20:25-GMT	Position: 119° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	
		13:30:00 PDT	ni	
		20:30-GMT	Position: 132° / 1,294 m Dir: West; Behavior: Slow travel	
		13:32:00 PDT	Blow	
		20:32-GMT	Position: 136° / 1,019 m Dir: West; Behavior: Slow travel • Fluke	
		13:38:00 PDT	Blow	
		20:38-GMT	Position: 184° / 623 m Dir: West; Behavior: Slow travel	
		13:40:00 PDT	Blow	
		20:40-GMT	Position: 204° / 551 m Dir: West; Behavior: Slow travel • Fluke	
		13:41:00 PDT	Blow	
		20:41-GMT	Position: 221° / 527 m Dir: West; Behavior: Slow travel	
		13:45:00 PDT	Blow	Inside /
		20:45-GMT	Position: 248° / 939 m Dir: West; Behavior: Slow travel • Fluke	Outside
	14	Excellent - Er Total 1 — 0 Calves at sighting		
		13:54:00 PDT	Blow	
		20:54-GMT	Position: 131° / 2,553 m Dir: West; Behavior: Slow travel	
		13:55:00 PDT	Blow	
		20:55-GMT	Position: 129° / 1,778 m Dir: West; Behavior: Slow travel	
		14:02:00 PDT	Blow	
		21:02-GMT	Position: 158° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	
		14:06:00 PDT	Blow	
		21:06-GMT	Position: 172° / 1,019 m Dir: West; Behavior: Slow travel	
		14:10:00 PDT	Blow	
		21:10-GMT	Position: 195° / 1,019 m Dir: West; Behavior: Slow travel • Fluke	
		14:18:00 PDT	Blow	
		21:18-GMT	Position: 231° / 1,019 m Dir: West; Behavior: Slow travel	
		14:21:00 PDT	Blow	Inside /
		21:21-GMT	Position: 248° / 1,294 m Dir: West; Behavior: Slow travel • Fluke	Outside
	20	Excellent - Er Total 2 — 0 Calves at sighting		
		14:44:00 PDT	Blow	
		21:44-GMT	Position: 195° / 2,872 m Dir: West; Behavior: Slow travel	
		14:48:00 PDT	Blow	
		21:48-GMT	Position: 204° / 2,553 m Dir: West; Behavior: Slow travel	
		14:58:00 PDT	Blow	
		21:58-GMT	Position: 224° / 3,288 m Dir: West; Behavior: Slow travel	
		15:05:00 PDT	Blow	Outside /
		22:05-GMT	Position: 234° / 3,288 m Dir: West; Behavior: Slow travel • Rolling	Outside

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau Time	Blow/Body	Holly/Bouys
	26	Excellent -	Er Total 1 — 0 Calves at sighting	
		16:35:00 PDT	Blow	
		23:35-GMT	Position: 114° / 2,094 m Dir: West; Behavior: Slow travel	
		16:39:00 PDT	Blow	
		23:39-GMT	Position: 120° / 1,778 m Dir: West; Behavior: Slow travel	
		16:42:00 PDT	Blow	
		23:42-GMT	Position: 128° / 1,369 m Dir: West; Behavior: Slow travel	
		16:46:00 PDT	Blow	
		23:46-GMT	Position: 150° / 675 m Dir: West; Behavior: Slow travel	
		16:50:00 PDT	Blow	
		23:50-GMT	Position: 182° / 607 m Dir: West; Behavior: Slow travel	
		16:51:00 PDT	Blow	
		23:51-GMT	Position: 204° / 607 m Dir: West; Behavior: Slow travel	
		16:54:00 PDT	Blow	
		23:54-GMT	Position: 235° / 715 m Dir: West; Behavior: Slow travel	
		16:59:00 PDT	Blow	Inside /
		23:59-GMT	Position: 259° / 1,113 m Dir: West; Behavior: Slow travel	Outside

Mar 11 Total 4 Calves 0
Day 44 of 105

	01	Good - 1	Er Total 2 — 0 Calves at sighting	
		9:04:00 PDT	Blow	
		16:04-GMT	Position: 138° / 3,288 m Dir: West; Behavior: Slow travel	
		9:13:00 PDT	Blow	
		16:13-GMT	Position: 142° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	
		9:21:00 PDT	Blow	
		16:21-GMT	Position: 148° / 3,288 m Dir: West; Behavior: Slow travel	
		9:25:00 PDT	Blow	
		16:25-GMT	Position: 148° / 3,288 m Dir: West; Behavior: Slow travel	
		9:32:00 PDT	Blow	
		16:32-GMT	Position: 152° / 3,288 m Dir: West; Behavior: Slow travel	
		9:40:00 PDT	Blow	
		16:40-GMT	Position: 160° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
		9:49:00 PDT	Blow	
		16:49-GMT	Position: 171° / 2,872 m Dir: West; Behavior: Slow travel	
		9:58:00 PDT	Blow	
		16:58-GMT	Position: 182° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
		10:04:00 PDT	Blow	ND / ND
		17:04-GMT	Position: 197° / 2,553 m Dir: West; Behavior: Slow travel • Fluke <i>fluke-dive angled toward the shore, then disappeared</i>	
	20	Good - 0	Er Total 1 — 0 Calves at sighting	
		14:09:00 PDT	Blow	
		21:09-GMT	Position: 97° / 3,288 m Dir: West; Behavior: Slow travel	
		14:18:00 PDT	Blow	
		21:18-GMT	Position: 106° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting	Quality - Beau	Blow/Body	Holly/Bouys
	Number	Time		
		14:24:00 PDT	Blow	
		21:24-GMT	Position: 114° / 1,778 m Dir: West; Behavior: Slow travel	
		14:31:00 PDT	Blow	
		21:31-GMT	Position: 124° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	
		14:38:00 PDT	Blow	
		21:38-GMT	Position: 145° / 1,369 m Dir: West; Behavior: Slow travel • Fluke	
		14:46:00 PDT	Blow	
		21:46-GMT	Position: 204° / 871 m Dir: West; Behavior: Slow travel	
		14:53:00 PDT	Blow	Inside / ND
		21:53-GMT	Position: 250° / 1,369 m Dir: West; Behavior: Slow travel	
	28	Good - 0	Er Total 1 — 0 Calves at sighting	
		16:45:00 PDT	Blow	
		23:45-GMT	Position: 199° / 715 m Dir: West; Behavior: Slow travel • Fluke	
		16:55:00 PDT	Blow	Inside /
		23:55-GMT	Position: 261° / 1,778 m Dir: West; Behavior: Slow travel	Outside
			<i>4-5 blows each cycle</i>	

Mar 12 Total 13 Calves 0
Day 45 of 105

	05	Poor - 2	Er Total 1 — 0 Calves at sighting	
		9:22:00 PDT	Blow	
		16:22-GMT	Position: 136° / 2,872 m Dir: West; Behavior: Slow travel	
		9:33:00 PDT	Blow	
		16:33-GMT	Position: 139° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
		9:42:00 PDT	Blow	
		16:42-GMT	Position: 154° / 1,778 m Dir: West; Behavior: Slow travel	
		9:45:00 PDT	Blow	
		16:45-GMT	Position: 158° / 1,369 m Dir: West; Behavior: Slow travel	
		9:47:00 PDT	Blow	
		16:47-GMT	Position: 164° / 1,294 m Dir: West; Behavior: Slow travel	
		9:51:00 PDT	Blow	ND / ND
		16:51-GMT	Position: 175° / 1,019 m Dir: West; Behavior: Slow travel • Fluke	
	06	Poor - 2	Er Total 4 — 0 Calves at sighting	
		9:31:00 PDT	Blow	
		16:31-GMT	Position: 144° / 3,288 m Dir: West; Behavior: Slow travel	
		9:41:00 PDT	Blow	
		16:41-GMT	Position: 150° / 3,288 m Dir: West; Behavior: Slow travel	
		9:45:00 PDT	Blow	
		16:45-GMT	Position: 152° / 3,288 m Dir: West; Behavior: Slow travel	
		9:49:00 PDT	Blow	
		16:49-GMT	Position: 154° / 3,288 m Dir: West; Behavior: Slow travel • Breach	
		10:04:00 PDT	Blow	
		17:04-GMT	Position: 171° / 3,288 m Dir: West; Behavior: Slow travel	
		10:38:00 PDT	Blow	
		17:38-GMT	Position: 230° / 2,553 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Blow/Body	Holly/Bouys
	Time			
	10:45:00 PDT	Blow		
	17:45-GMT	Position: 235° / 2,872 m	Dir: West; Behavior: Slow travel	
	10:48:00 PDT	Blow		Outside / NI
	17:48-GMT	Position: 238° / 2,872 m	Dir: West; Behavior: Slow travel	
	14	Fair - 1	Er Total 4 — 0 Calves at sighting	
	13:35:00 PDT	Blow		
	20:35-GMT	Position: 115° / 3,288 m	Dir: West; Behavior: Slow travel • Fluke	
	13:39:00 PDT	Blow		
	20:39-GMT	Position: 121° / 2,872 m	Dir: West; Behavior: Slow travel • Fluke	
	14:03:00 PDT	Blow		
	21:03-GMT	Position: 152° / 1,369 m	Dir: West; Behavior: Slow travel • Fluke	
	14:12:00 PDT	Blow		
	21:12-GMT	Position: 199° / 1,369 m	Dir: West; Behavior: Slow travel • Fluke	
	14:20:00 PDT	Blow		Inside /
	21:20-GMT	Position: 244° / 1,369 m	Dir: West; Behavior: Slow travel • Fluke	Outside
	17	Fair - 1	Er Total 2 — 0 Calves at sighting	
	15:09:00 PDT	Body		
	22:09-GMT	Position: 143° / 449 m	Dir: West; Behavior: Slow travel	
	15:11:00 PDT	Blow		
	22:11-GMT	Position: 170° / 404 m	Dir: West; Behavior: Slow travel	
	15:15:00 PDT	Blow		
	22:15-GMT	Position: 189° / 378 m	Dir: West; Behavior: Slow travel	
	15:19:00 PDT	Blow		
	22:19-GMT	Position: 224° / 418 m	Dir: West; Behavior: Slow travel	
	15:38:00 PDT	Blow		Inside /
	22:38-GMT	Position: 272° / 2,094 m	Dir: West; Behavior: Slow travel • Fluke	Outside
	<i>lots of dolphin activity in path of whales</i>			
	19	Fair - 2	Er Total 2 — 0 Calves at sighting	
	15:48:00 PDT	Blow		
	22:48-GMT	Position: 124° / 1,778 m	Dir: West; Behavior: Slow travel	
	15:56:00 PDT	Blow		
	22:56-GMT	Position: 160° / 675 m	Dir: West; Behavior: Slow travel	
	15:58:00 PDT	Blow		NI / NI
	22:58-GMT	Position: 176° / 607 m	Dir: West; Behavior: Slow travel	

Mar 14 Total 1 Calves 0
Day 47 of 105

	05	Fair - 4	Er Total 1 — 0 Calves at sighting	
	11:09:00 PDT	Blow		
	18:09-GMT	Position: 102° / 2,872 m	Dir: West; Behavior: Slow travel	
	11:13:00 PDT	Blow		
	18:13-GMT	Position: 107° / 2,872 m	Dir: West; Behavior: Slow travel	
	11:16:00 PDT	Blow		
	18:16-GMT	Position: 111° / 2,553 m	Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		11:19:00 PDT	Blow	
		18:19-GMT	Position: 112° / 2,553 m Dir: West; Behavior: Slow travel	
		11:25:00 PDT	Blow	
		18:25-GMT	Position: 115° / 2,094 m Dir: West; Behavior: Slow travel	
		11:29:00 PDT	Blow	
		18:29-GMT	Position: 117° / 1,546 m Dir: West; Behavior: Slow travel	
		11:37:00 PDT	Blow	
		18:37-GMT	Position: 127° / 1,019 m Dir: West; Behavior: Slow travel	
		11:43:00 PDT	Blow	
		18:43-GMT	Position: 157° / 527 m Dir: West; Behavior: Slow travel	
		11:50:00 PDT	Blow	
		18:50-GMT	Position: 198° / 466 m Dir: West; Behavior: Slow travel	
		11:54:00 PDT	Blow	
		18:54-GMT	Position: 237° / 639 m Dir: West; Behavior: Slow travel	
		11:58:00 PDT	Blow	NI / NI
		18:58-GMT	Position: 260° / 1,228 m Dir: West; Behavior: Slow travel	

Mar 16 Total 2 Calves 0
Day 49 of 105

02 Fair - 4 Er Total 2 — 0 Calves at sighting

9:42:00 PDT	Blow	
16:42-GMT	Position: 146° / 3,288 m Dir: West; Behavior: Slow travel	
9:47:00 PDT	Blow	
16:47-GMT	Position: 147° / 3,288 m Dir: West; Behavior: Slow travel	
9:52:00 PDT	Blow	
16:52-GMT	Position: 150° / 3,288 m Dir: West; Behavior: Slow travel	
9:56:00 PDT	Blow	
16:56-GMT	Position: 152° / 3,288 m Dir: West; Behavior: Slow travel	
10:00:00 PDT	Blow	
17:00-GMT	Position: 154° / 3,288 m Dir: West; Behavior: Slow travel	
10:06:00 PDT	Blow	
17:06-GMT	Position: 159° / 3,288 m Dir: West; Behavior: Slow travel	
10:10:00 PDT	Blow	
17:10-GMT	Position: 164° / 3,288 m Dir: West; Behavior: Slow travel	
10:15:00 PDT	Blow	
17:15-GMT	Position: 167° / 3,288 m Dir: West; Behavior: Slow travel	
10:18:00 PDT	Blow	
17:18-GMT	Position: 174° / 3,288 m Dir: West; Behavior: Slow travel	
10:22:00 PDT	Blow	ND / ND
17:22-GMT	Position: 177° / 3,288 m Dir: West; Behavior: Slow travel	

probably outside of Holly

Mar 17 Total 17 Calves 0
Day 50 of 105

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Bouys
	01	Good - 1	Er Total 2 — 0 Calves at sighting		
			9:03:00 PDT	Blow	
			16:03-GMT	Position: 119° / 1,546 m Dir: West; Behavior: Slow travel	
			9:12:00 PDT	Blow	
			16:12-GMT	Position: 135° / 1,228 m Dir: West; Behavior: Slow travel	
			9:15:00 PDT	Blow	
			16:15-GMT	Position: 146° / 1,019 m Dir: West; Behavior: Slow travel	
			9:19:00 PDT	Blow	
			16:19-GMT	Position: 167° / 715 m Dir: West; Behavior: Slow travel	
			9:22:00 PDT	Body	
			16:22-GMT	Position: 118° / 639 m Dir: West; Behavior: Slow travel	
			9:24:00 PDT	Body	
			16:24-GMT	Position: 215° / 675 m Dir: West; Behavior: Slow travel • Fluke	
			9:42:00 PDT	Blow	Inside /
			16:42-GMT	Position: 264° / 1,778 m Dir: West; Behavior: Slow travel	Outside
	06	Good - 0	Er Total 1 — 0 Calves at sighting		
			10:17:00 PDT	Blow	
			17:17-GMT	Position: 206° / 3,288 m Dir: West; Behavior: Slow travel	
			10:24:00 PDT	Blow	
			17:24-GMT	Position: 228° / 3,288 m Dir: West; Behavior: Slow travel	
			10:48:00 PDT	Blow	NI / NI
			17:48-GMT	Position: 257° / 3,288 m Dir: West; Behavior: Slow travel	
	10	Good - 1	Er Total 1 — 0 Calves at sighting		
			11:00:00 PDT	Blow	
			18:00-GMT	Position: 116° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
			11:08:00 PDT	Blow	
			18:08-GMT	Position: 125° / 2,094 m Dir: West; Behavior: Slow travel	
			11:14:00 PDT	Blow	
			18:14-GMT	Position: 133° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	
			11:21:00 PDT	Blow	
			18:21-GMT	Position: 154° / 1,228 m Dir: West; Behavior: Slow travel	
			11:23:00 PDT	Blow	
			18:23-GMT	Position: 160° / 1,019 m Dir: West; Behavior: Slow travel	
			11:30:00 PDT	Blow	
			18:30-GMT	Position: 193° / 1,019 m Dir: West; Behavior: Slow travel	
			11:35:00 PDT	Body	
			18:35-GMT	Position: 229° / 1,113 m Dir: West; Behavior: Slow travel	
			11:42:00 PDT	Blow	Inside /
			18:42-GMT	Position: 250° / 1,369 m Dir: West; Behavior: Slow travel	Outside
	11	Good - 1	Er Total 1 — 0 Calves at sighting		
			11:10:00 PDT	Blow	
			18:10-GMT	Position: 121° / 3,288 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		11:20:00 PDT	Blow	
		18:20-GMT	Position: 130° / 2,872 m Dir: West; Behavior: Slow travel	
		11:28:00 PDT	Blow	
		18:28-GMT	Position: 136° / 2,553 m Dir: West; Behavior: Slow travel	
		11:37:00 PDT	Blow	
		18:37-GMT	Position: 150° / 1,778 m Dir: West; Behavior: Slow travel	
		11:43:00 PDT	Blow	
		18:43-GMT	Position: 164° / 1,778 m Dir: West; Behavior: Slow travel	
		11:49:00 PDT	Blow	
		18:49-GMT	Position: 189° / 1,228 m Dir: West; Behavior: Slow travel • Fluke	
		11:55:00 PDT	Blow	
		18:55-GMT	Position: 216° / 1,294 m Dir: West; Behavior: Slow travel	
		12:03:00 PDT	Blow	Inside /
		19:03-GMT	Position: 238° / 1,778 m Dir: West; Behavior: Slow travel	Outside
	17	Good - 1	Er Total 3 — 0 Calves at sighting	
		12:20:00 PDT	Blow	
		19:20-GMT	Position: 124° / 1,778 m Dir: West; Behavior: Slow travel	
		12:26:00 PDT	Blow	
		19:26-GMT	Position: 137° / 1,228 m Dir: West; Behavior: Slow travel	
		12:28:00 PDT	Blow	
		19:28-GMT	Position: 145° / 1,019 m Dir: West; Behavior: Slow travel • Fluke	
		12:33:00 PDT	Blow	
		19:33-GMT	Position: 167° / 812 m Dir: West; Behavior: Slow travel	
		12:44:00 PDT	Blow	
		19:44-GMT	Position: 230° / 840 m Dir: West; Behavior: Slow travel	
		13:04:00 PDT	Blow	Inside /
		20:04-GMT	Position: 271° / 2,094 m Dir: West; Behavior: Slow travel	Outside
	18	Good - 1	Er Total 4 — 0 Calves at sighting	
		12:29:00 PDT	Blow	
		19:29-GMT	Position: 169° / 3,288 m Dir: West; Behavior: Slow travel	
		12:34:00 PDT	Blow	
		19:34-GMT	Position: 175° / 3,288 m Dir: West; Behavior: Slow travel	
		12:37:00 PDT	Blow	
		19:37-GMT	Position: 180° / 3,288 m Dir: West; Behavior: Slow travel • Breach • Fast	
		12:39:00 PDT	Blow	
		19:39-GMT	Position: 182° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	
		12:45:00 PDT	Blow	
		19:45-GMT	Position: 191° / 2,872 m Dir: West; Behavior: Slow travel	
		12:51:00 PDT	Blow	
		19:51-GMT	Position: 200° / 2,872 m Dir: West; Behavior: Slow travel	
		12:53:00 PDT	Blow	
		19:53-GMT	Position: 201° / 3,288 m Dir: West; Behavior: Slow travel	
		12:58:00 PDT	Body	
		19:58-GMT	Position: 210° / 2,872 m Dir: West; Behavior: Slow travel • Rolling	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Bouys
			13:06:00 PDT	Blow	
			20:06-GMT	Position: 220° / 3,288 m Dir: West; Behavior: Slow travel	
			13:27:00 PDT	Blow	Outside /
			20:27-GMT	Position: 245° / 3,288 m Dir: West; Behavior: Slow travel	Outside
	21	Good - 1	Er Total 2 — 0 Calves at sighting		
			13:28:00 PDT	Blow	
			20:28-GMT	Position: 117° / 2,872 m Dir: West; Behavior: Slow travel	
			13:50:00 PDT	Body	
			20:50-GMT	Position: 148° / 1,294 m Dir: West; Behavior: Slow travel	
			13:57:00 PDT	Blow	
			20:57-GMT	Position: 169° / 1,228 m Dir: West; Behavior: Slow travel	
			14:03:00 PDT	Blow	
			21:03-GMT	Position: 196° / 1,113 m Dir: West; Behavior: Slow travel • Fluke	
			14:10:00 PDT	Blow	
			21:10-GMT	Position: 225° / 1,369 m Dir: West; Behavior: Slow travel	
			14:16:00 PDT	Blow	
			21:16-GMT	Position: 240° / 1,778 m Dir: West; Behavior: Slow travel	
			14:26:00 PDT	Blow	Inside /
			21:26-GMT	Position: 255° / 2,553 m Dir: West; Behavior: Slow travel	Outside
			<i>2 miles to west strong wind</i>		
	22	Good - 1	Er Total 3 — 0 Calves at sighting		
			13:29:00 PDT	Blow	
			20:29-GMT	Position: 141° / 3,288 m Dir: West; Behavior: Slow travel	
			13:35:00 PDT	Blow	
			20:35-GMT	Position: 142° / 2,872 m Dir: West; Behavior: Slow travel	
			13:40:00 PDT	Blow	
			20:40-GMT	Position: 143° / 2,872 m Dir: West; Behavior: Slow travel	
			13:46:00 PDT	Blow	
			20:46-GMT	Position: 144° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
			13:55:00 PDT	Blow	
			20:55-GMT	Position: 149° / 2,553 m Dir: West; Behavior: Slow travel	
			14:06:00 PDT	Blow	
			21:06-GMT	Position: 161° / 2,553 m Dir: West; Behavior: Slow travel	
			14:18:00 PDT	Blow	
			21:18-GMT	Position: 181° / 2,094 m Dir: West; Behavior: Slow travel	
			14:28:00 PDT	Blow	
			21:28-GMT	Position: 203° / 2,094 m Dir: West; Behavior: Slow travel	
			14:39:00 PDT	Blow	
			21:39-GMT	Position: 227° / 2,553 m Dir: West; Behavior: Slow travel	
			14:44:00 PDT	Blow	Inside /
			21:44-GMT	Position: 240° / 2,553 m Dir: West; Behavior: Slow travel	Outside

Mar 18 Total 8 Calves 0
Day 51 of 105

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Bouys
	01	Fair - 0	Er Total 1 — 0 Calves at sighting		
			9:01:00 PDT	Blow	
			16:01-GMT	Position: 131° / 2,094 m Dir: West; Behavior: Slow travel	
			9:15:00 PDT	Blow	
			16:15-GMT	Position: 150° / 871 m Dir: West; Behavior: Slow travel	
			9:24:00 PDT	Blow	
			16:24-GMT	Position: 119° / 310 m Dir: West; Behavior: Slow travel	
			9:25:00 PDT	Blow	
			16:25-GMT	Position: 144° / 281 m Dir: West; Behavior: Slow travel	
			9:35:00 PDT	Blow	
			16:35-GMT	Position: 170° / 505 m Dir: West; Behavior: Slow travel	
			9:42:00 PDT	Blow	
			16:42-GMT	Position: 237° / 551 m Dir: West; Behavior: Slow travel	
			9:48:00 PDT	Blow	Inside /
			16:48-GMT	Position: 280° / 1,113 m Dir: West; Behavior: Slow travel	Through
			<i>strange route: may have been resting- moved to kelp to feed? - traveled through bouys</i>		
	09	Fair - 0	Er Total 1 — 0 Calves at sighting		
			12:18:00 PDT	Blow	
			19:18-GMT	Position: 115° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
			12:25:00 PDT	Blow	
			19:25-GMT	Position: 122° / 1,778 m Dir: West; Behavior: Slow travel	
			12:27:00 PDT	Blow	ND / ND
			19:27-GMT	Position: 131° / 1,369 m Dir: West; Behavior: Slow travel	
			<i>disappeared approaching Zephyr</i>		
	12	Fair - 0	Er Total 5 — 0 Calves at sighting		
			13:47:00 PDT	Body	
			20:47-GMT	Position: 152° / 3,288 m Dir: West; Behavior: Slow travel • Breach	
			13:56:00 PDT	Blow	
			20:56-GMT	Position: 156° / 3,288 m Dir: West; Behavior: Slow travel	
			14:06:00 PDT	Blow	
			21:06-GMT	Position: 165° / 3,288 m Dir: West; Behavior: Slow travel	
			14:16:00 PDT	Blow	
			21:16-GMT	Position: 175° / 2,553 m Dir: West; Behavior: Slow travel	
			14:20:00 PDT	Blow	
			21:20-GMT	Position: 180° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
			14:25:00 PDT	Blow	
			21:25-GMT	Position: 189° / 2,553 m Dir: West; Behavior: Slow travel	
			14:32:00 PDT	Blow	
			21:32-GMT	Position: 203° / 2,553 m Dir: West; Behavior: Slow travel	
			14:37:00 PDT	Blow	
			21:37-GMT	Position: 211° / 2,553 m Dir: West; Behavior: Slow travel • Fluke • Fast	
			14:40:00 PDT	Blow	
			21:40-GMT	Position: 216° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Bouys
			14:46:00 PDT	Blow	
			21:46-GMT	Position: 225° / 2,872 m Dir: West; Behavior: Slow travel	
			14:52:00 PDT	Blow	
			21:52-GMT	Position: 230° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	
			14:56:00 PDT	Blow	
			21:56-GMT	Position: 236° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
			15:08:00 PDT	Blow	Outside /
			22:08-GMT	Position: 246° / 3,288 m Dir: West; Behavior: Slow travel	Outside
	25	Fair - 1	Er Total 1 — 0 Calves at sighting		
			16:59:00 PDT	Blow	
			23:59-GMT	Position: 156° / 2,553 m Dir: West; Behavior: Slow travel	
			17:08:00 PDT	Blow	ND / ND
			0:08; 3/19/2008-GMT	Position: 172° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	

Mar 19 Total 12 Calves 0
Day 52 of 105

	14	Poor - 0	Er Total 1 — 0 Calves at sighting		
			10:46:00 PDT	Blow	
			17:46-GMT	Position: 199° / 418 m Dir: West; Behavior: Slow travel	
			10:48:00 PDT	Body	
			17:48-GMT	Position: 219° / 466 m Dir: West; Behavior: Slow travel	
			10:50:00 PDT	Body	
			17:50-GMT	Position: 245° / 527 m Dir: West; Behavior: Slow travel	
			10:54:00 PDT	Body	
			17:54-GMT	Position: 277° / 715 m Dir: West; Behavior: not indicated	
			10:57:00 PDT	Blow	
			17:57-GMT	Position: 284° / 761 m Dir: West; Behavior: not indicated	
			10:59:00 PDT	Blow	Inside / Inside
			17:59-GMT	Position: 292° / 1,019 m Dir: West; Behavior: not indicated	
			<i>Maybe cow/calf - went to Sands</i>		
			<i>Saw what might have been little flukes</i>		
	20	Fair - 0	Er Total 2 — 0 Calves at sighting		
			12:26:00 PDT	Blow	
			19:26-GMT	Position: 236° / m Dir: West; Behavior: Slow travel	
			12:28:00 PDT	ni	Outside /
			19:28-GMT	Position: 238° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	Outside
	24	Fair - 0	Er Total 1 — 0 Calves at sighting		
			15:15:00 PDT	Blow	
			22:15-GMT	Position: 160° / 527 m Dir: West; Behavior: Slow travel	
			15:26:00 PDT	Blow	Inside /
			22:26-GMT	Position: 279° / 1,019 m Dir: West; Behavior: Slow travel	Through
	25	Fair - 0	Er Total 2 — 0 Calves at sighting		
			15:22:00 PDT	ni	
			22:22-GMT	Position: 171° / 871 m Dir: West; Behavior: not indicated	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		15:28:00 PDT	Blow	
		22:28-GMT	Position: 207° / 675 m Dir: West; Behavior: not indicated	
		15:41:00 PDT	Blow	
		22:41-GMT	Position: 225° / 715 m Dir: West; Behavior: Slow travel	
		15:42:00 PDT	Blow	
		22:42-GMT	Position: 223° / 715 m Dir: East; Behavior: Slow travel • Milling	
		15:49:00 PDT	Blow	
		22:49-GMT	Position: 227° / 840 m Dir: West; Behavior: not indicated	
		15:55:00 PDT	Blow	Inside /
		22:55-GMT	Position: 250° / 1,113 m Dir: West; Behavior: not indicated	Outside
	27	Fair - 0	Er Total 2 — 0 Calves at sighting	
		16:09:00 PDT	Blow	
		23:09-GMT	Position: 221° / 2,094 m Dir: West; Behavior: Slow travel	
		16:15:00 PDT	Blow	
		23:15-GMT	Position: 242° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
		16:20:00 PDT	Blow	Inside /
		23:20-GMT	Position: 244° / 2,553 m Dir: West; Behavior: Slow travel	Outside
	28	Fair - 0	Er Total 4 — 0 Calves at sighting	
		16:26:00 PDT	Blow	
		23:26-GMT	Position: 104° / 4,712 m Dir: West; Behavior: Slow travel	
		16:45:00 PDT	Blow	
		23:45-GMT	Position: 104° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	
		16:55:00 PDT	Blow	
		23:55-GMT	Position: 110° / 2,872 m Dir: West; Behavior: Slow travel	
		16:59:00 PDT	Blow	
		23:59-GMT	Position: 112° / 2,872 m Dir: West; Behavior: Slow travel	
		17:02:00 PDT	Blow	
		0:02; 3/20/2008-GMT	Position: 114° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
		17:05:00 PDT	ni	
		0:05; 3/20/2008-GMT	Position: 118° / 2,553 m Dir: West; Behavior: Slow travel • Rolling • Fluke	
		17:11:00 PDT	Blow	
		0:11; 3/20/2008-GMT	Position: 127° / 2,094 m Dir: West; Behavior: Slow travel • Rolling • Fluke	
		17:15:00 PDT	Blow	Inside /
		0:15; 3/20/2008-GMT	Position: 134° / 1,546 m Dir: West; Behavior: Slow travel	Outside
			<i>Stayed until 1738</i>	

Mar 20 Total 26 Calves 0
Day 53 of 105

01	Poor - 0	Er Total 2 — 0 Calves at sighting	
		8:51:00 PDT	Blow
		15:51-GMT	Position: 184° / 715 m Dir: West; Behavior: not indicated
		8:57:00 PDT	Blow
		15:57-GMT	Position: 225° / 871 m Dir: West; Behavior: not indicated

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		9:12:00 PDT	Blow	Inside /
		16:12-GMT	Position: 255° / 1,778 m Dir: West; Behavior: not indicated	Outside
		<i>Big whale/ small whale</i>		
	10	Poor - 0	Er Total 1 — 0 Calves at sighting	
		11:34:00 PDT	Blow	
		18:34-GMT	Position: 105° / 3,288 m Dir: West; Behavior: not indicated	
		11:54:00 PDT	Blow	
		18:54-GMT	Position: 141° / 871 m Dir: West; Behavior: not indicated	
		11:56:00 PDT	Blow	
		18:56-GMT	Position: 151° / 761 m Dir: West; Behavior: not indicated	
		11:57:00 PDT	Blow	
		18:57-GMT	Position: 167° / m Dir: West; Behavior: not indicated	
	14	Poor - 3	Er Total 4 — 0 Calves at sighting	
		12:56:00 PDT	Blow	
		19:56-GMT	Position: 117° / 3,288 m Dir: West; Behavior: Slow travel	
		13:02:00 PDT	Blow	
		20:02-GMT	Position: 124° / 3,288 m Dir: West; Behavior: Slow travel	
		13:06:00 PDT	Blow	
		20:06-GMT	Position: 127° / 2,872 m Dir: West; Behavior: Slow travel	
		13:08:00 PDT	Blow	
		20:08-GMT	Position: 129° / 2,872 m Dir: West; Behavior: Slow travel	
		13:11:00 PDT	Blow	
		20:11-GMT	Position: 131° / 2,553 m Dir: West; Behavior: Slow travel	
		13:13:00 PDT	Blow	
		20:13-GMT	Position: 135° / 2,553 m Dir: West; Behavior: Slow travel	
		13:15:00 PDT	Blow	
		20:15-GMT	Position: 138° / 2,553 m Dir: West; Behavior: Slow travel	
		13:17:00 PDT	Blow	
		20:17-GMT	Position: 142° / 2,553 m Dir: West; Behavior: Slow travel	
		13:20:00 PDT	Blow	
		20:20-GMT	Position: 148° / 2,094 m Dir: West; Behavior: Slow travel	
		13:23:00 PDT	Blow	
		20:23-GMT	Position: 150° / 2,094 m Dir: West; Behavior: Slow travel	
		13:25:00 PDT	Blow	
		20:25-GMT	Position: 155° / 2,094 m Dir: West; Behavior: Slow travel	
		13:26:00 PDT	Blow	
		20:26-GMT	Position: 161° / 2,094 m Dir: West; Behavior: Slow travel	
		13:34:00 PDT	Blow	
		20:34-GMT	Position: 187° / 1,546 m Dir: West; Behavior: Slow travel	
		13:37:00 PDT	Blow	
		20:37-GMT	Position: 197° / 1,546 m Dir: West; Behavior: Slow travel	
		13:39:00 PDT	Blow	
		20:39-GMT	Position: 206° / 1,546 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		13:43:00 PDT	Blow	
		20:43-GMT	Position: 219° / 1,778 m Dir: West; Behavior: Slow travel	
		13:45:00 PDT	Blow	
		20:45-GMT	Position: 224° / 1,778 m Dir: West; Behavior: not indicated	
		13:47:00 PDT	Blow	Inside /
		20:47-GMT	Position: 231° / 1,778 m Dir: West; Behavior: not indicated	Outside
	19	Poor - 3	Er Total 1 — 0 Calves at sighting	
		13:45:00 PDT	Blow	
		20:45-GMT	Position: 145° / 639 m Dir: West; Behavior: Slow travel	
		13:51:00 PDT	Blow	
		20:51-GMT	Position: 195° / 466 m Dir: West; Behavior: Slow travel	
		13:55:00 PDT	Body	
		20:55-GMT	Position: 236° / 639 m Dir: West; Behavior: Slow travel	
		13:57:00 PDT	Blow	
		20:57-GMT	Position: 250° / 761 m Dir: West; Behavior: Slow travel	
		14:09:00 PDT	Blow	Inside /
		21:09-GMT	Position: 274° / 1,778 m Dir: West; Behavior: Slow travel	Through
	21	Poor - 3	Er Total 2 — 0 Calves at sighting	
		14:37:00 PDT	Blow	
		21:37-GMT	Position: 206° / 2,872 m Dir: West; Behavior: Slow travel	
		14:39:00 PDT	Blow	
		21:39-GMT	Position: 210° / 2,872 m Dir: West; Behavior: Slow travel	
		14:49:00 PDT	Blow	
		21:49-GMT	Position: 223° / 2,872 m Dir: West; Behavior: Slow travel	
		15:01:00 PDT	Blow	
		22:01-GMT	Position: 236° / 2,872 m Dir: West; Behavior: Slow travel	
		15:07:00 PDT	Blow	Outside /
		22:07-GMT	Position: 243° / 3,288 m Dir: West; Behavior: Slow travel	Outside
	22	Poor - 3	Er Total 1 — 0 Calves at sighting	
		14:46:00 PDT	Blow	
		21:46-GMT	Position: 131° / 871 m Dir: West; Behavior: Slow travel	
		14:47:00 PDT	Blow	
		21:47-GMT	Position: 136° / 871 m Dir: West; Behavior: Slow travel	
		14:48:00 PDT	Blow	
		21:48-GMT	Position: 143° / 715 m Dir: West; Behavior: Slow travel	
		14:54:00 PDT	Blow	
		21:54-GMT	Position: 194° / 505 m Dir: West; Behavior: Slow travel	
		15:02:00 PDT	Blow	
		22:02-GMT	Position: 256° / 871 m Dir: West; Behavior: Slow travel	
		15:10:00 PDT	Blow	Inside /
		22:10-GMT	Position: 271° / 1,546 m Dir: West; Behavior: Slow travel	Outside

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Bouys
	25	Poor - 3	Er Total 2 — 0 Calves at sighting		
			15:13:00 PDT	Blow	
			22:13-GMT	Position: 145° / 1,019 m Dir: West; Behavior: Slow travel • Fluke	
			15:16:00 PDT	Blow	
			22:16-GMT	Position: 162° / 639 m Dir: West; Behavior: Slow travel	
			15:19:00 PDT	Blow	
			22:19-GMT	Position: 192° / 607 m Dir: West; Behavior: Slow travel	
			15:24:00 PDT	Blow	
			22:24-GMT	Position: 232° / 871 m Dir: West; Behavior: Slow travel	
			15:31:00 PDT	Blow	Inside /
			22:31-GMT	Position: 256° / 1,369 m Dir: West; Behavior: Slow travel • Fluke	Outside
	28	Poor - 3	Er Total 5 — 0 Calves at sighting		
			15:41:00 PDT	Blow	
			22:41-GMT	Position: 105° / 3,288 m Dir: West; Behavior: Slow travel	
			15:44:00 PDT	Blow	
			22:44-GMT	Position: 107° / 3,288 m Dir: West; Behavior: Slow travel	
			15:49:00 PDT	Blow	
			22:49-GMT	Position: 105° / 3,288 m Dir: West; Behavior: Slow travel	
			15:53:00 PDT	Blow	
			22:53-GMT	Position: 111° / 2,872 m Dir: West; Behavior: Slow travel • Rolling	
			15:58:00 PDT	Blow	
			22:58-GMT	Position: 115° / 2,553 m Dir: West; Behavior: Slow travel	
			16:02:00 PDT	Blow	
			23:02-GMT	Position: 119° / 2,553 m Dir: West; Behavior: Slow travel	
			16:05:00 PDT	Body	
			23:05-GMT	Position: 124° / 2,553 m Dir: West; Behavior: Slow travel	
			16:08:00 PDT	Body	
			23:08-GMT	Position: 129° / 2,094 m Dir: West; Behavior: Slow travel	
			16:17:00 PDT	Body	
			23:17-GMT	Position: 152° / 1,369 m Dir: West; Behavior: Slow travel • Fluke	
			16:25:00 PDT	Blow	
			23:25-GMT	Position: 184° / 1,369 m Dir: West; Behavior: Slow travel	
			<i>1617 and 1625 (and on) might be different groups</i>		
			<i>Saw 1625 inside of Condor</i>		
			<i>1617 were in front of Condor</i>		
			<i>Much earlier (1608) saw 3 with Condor</i>		
			16:34:00 PDT	Blow	
			23:34-GMT	Position: 213° / 1,228 m Dir: West; Behavior: Slow travel	
			16:38:00 PDT	Blow	
			23:38-GMT	Position: 224° / 1,369 m Dir: West; Behavior: Slow travel	
			16:40:00 PDT	Blow	
			23:40-GMT	Position: 232° / 1,546 m Dir: West; Behavior: Slow travel	
			16:42:00 PDT	Blow	Inside /
			23:42-GMT	Position: 290° / 1,369 m Dir: West; Behavior: Slow travel	Outside

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Bouys
	31	Poor - 3	Er Total 3 — 0 Calves at sighting		
			16:11:00 PDT	Blow	
			23:11-GMT	Position: 195° / 2,872 m Dir: West; Behavior: Slow travel	
			16:28:00 PDT	Blow	
			23:28-GMT	Position: 200° / 2,872 m Dir: West; Behavior: Slow travel	
			16:30:00 PDT	Blow	
			23:30-GMT	Position: 206° / 2,553 m Dir: West; Behavior: Slow travel • Breach	
			16:36:00 PDT	Blow	
			23:36-GMT	Position: 214° / 2,553 m Dir: West; Behavior: Slow travel • Breach • Fast	
			<i>Behaviors: 1, 6(2)</i>		
			16:40:00 PDT	Blow	
			23:40-GMT	Position: 219° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
			16:48:00 PDT	Blow	Outside /
			23:48-GMT	Position: 225° / 3,288 m Dir: West; Behavior: Slow travel	Outside
			<i>Glare to the SW</i>		
	32	Poor - 3	Er Total 5 — 0 Calves at sighting		
			16:12:00 PDT	Blow	
			23:12-GMT	Position: 203° / 2,872 m Dir: West; Behavior: Slow travel	
			16:14:00 PDT	Blow	
			23:14-GMT	Position: 207° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
			16:20:00 PDT	Blow	
			23:20-GMT	Position: 214° / 2,553 m Dir: West; Behavior: Slow travel	
			16:23:00 PDT	Blow	
			23:23-GMT	Position: 221° / 2,872 m Dir: West; Behavior: Slow travel	
			16:25:00 PDT	Blow	Outside /
			23:25-GMT	Position: 224° / 3,288 m Dir: West; Behavior: Slow travel	Outside

Mar 21 Total 13 Calves 0
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	08	Fair - 2	Er Total 2 — 0 Calves at sighting		
			10:19:00 PDT	Blow	
			17:19-GMT	Position: 156° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
			10:56:00 PDT	ni	
			17:56-GMT	Position: 161° / 2,553 m Dir: West; Behavior: Slow travel	
			11:02:00 PDT	ni	
			18:02-GMT	Position: 174° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
			11:10:00 PDT	Blow	
			18:10-GMT	Position: 196° / 2,094 m Dir: West; Behavior: Slow travel	
			11:12:00 PDT	Blow	
			18:12-GMT	Position: 204° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
			11:18:00 PDT	Blow	
			18:18-GMT	Position: 224° / 2,094 m Dir: West; Behavior: Slow travel	
			11:23:00 PDT	Blow	Inside /
			18:23-GMT	Position: 239° / 2,553 m Dir: West; Behavior: Slow travel	Outside

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Bouys
	16	Fair - 1	Er Total 3 — 0 Calves at sighting		
			11:47:00 PDT	Blow	
			18:47-GMT	Position: 159° / 1,113 m Dir: West; Behavior: Slow travel	
			11:54:00 PDT	ni	
			18:54-GMT	Position: 189° / 812 m Dir: West; Behavior: Slow travel • Milling	
			12:02:00 PDT	Blow	
			19:02-GMT	Position: 214° / 675 m Dir: West; Behavior: Slow travel	
			12:04:00 PDT	Body	
			19:04-GMT	Position: 231° / 675 m Dir: West; Behavior: not indicated	
			12:06:00 PDT	Blow	
			19:06-GMT	Position: 244° / 812 m Dir: West; Behavior: Slow travel • Rolling	
			12:13:00 PDT	Blow	
			19:13-GMT	Position: 261° / 1,019 m Dir: West; Behavior: Slow travel • Rolling	
			12:18:00 PDT	Blow	Inside /
			19:18-GMT	Position: 274° / 1,369 m Dir: West; Behavior: Slow travel • Fluke	Outside
	17	Fair - 1	Er Total 2 — 0 Calves at sighting		
			11:47:00 PDT	Blow	
			18:47-GMT	Position: 154° / 2,872 m Dir: West; Behavior: Slow travel	
			11:59:00 PDT	Blow	
			18:59-GMT	Position: 173° / 2,553 m Dir: West; Behavior: Slow travel	
			12:10:00 PDT	ni	
			19:10-GMT	Position: 201° / 2,553 m Dir: West; Behavior: Slow travel	
			12:19:00 PDT	Blow	
			19:19-GMT	Position: 219° / 2,553 m Dir: West; Behavior: Slow travel	
			12:31:00 PDT	Blow	Outside /
			19:31-GMT	Position: 236° / 3,288 m Dir: West; Behavior: Slow travel	Outside
	21	Good - 2	Er Total 3 — 0 Calves at sighting		
			13:25:00 PDT	Blow	
			20:25-GMT	Position: 146° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
			13:31:00 PDT	Blow	
			20:31-GMT	Position: 154° / 2,553 m Dir: West; Behavior: Slow travel	
			13:38:00 PDT	Blow	
			20:38-GMT	Position: 171° / 2,094 m Dir: West; Behavior: Slow travel	
			13:41:00 PDT	Blow	
			20:41-GMT	Position: 183° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	
			13:48:00 PDT	Blow	
			20:48-GMT	Position: 204° / 1,778 m Dir: West; Behavior: Slow travel • Fluke • Rolling	
			13:57:00 PDT	Blow	
			20:57-GMT	Position: 234° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
			14:08:00 PDT	Blow	Inside /
			21:08-GMT	Position: 258° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	Outside

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Bouys
	23	Good - 1	Er Total 3 — 0 Calves at sighting		
			14:29:00 PDT	Blow	
			21:29-GMT	Position: 161° / 3,288 m Dir: West; Behavior: Slow travel	
			14:37:00 PDT	Blow	
			21:37-GMT	Position: 165° / 3,288 m Dir: West; Behavior: Slow travel	
			14:40:00 PDT	Blow	
			21:40-GMT	Position: 169° / 3,288 m Dir: West; Behavior: Slow travel	
			14:57:00 PDT	Blow	
			21:57-GMT	Position: 199° / 2,553 m Dir: West; Behavior: Slow travel	
			15:09:00 PDT	Blow	
			22:09-GMT	Position: 220° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
			15:30:00 PDT	Blow	ND / Outside
			22:30-GMT	Position: 247° / 3,288 m Dir: West; Behavior: Slow travel	
Mar 22	Total 41 Calves 0		Day 55 of 105		
	01	Fair - 0	Er Total 4 — 0 Calves at sighting		
			8:53:00 PDT	Blow	
			15:53-GMT	Position: 140° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	
			8:58:00 PDT	Blow	
			15:58-GMT	Position: 151° / 1,019 m Dir: West; Behavior: Slow travel • Fluke	
			9:06:00 PDT	Blow	
			16:06-GMT	Position: 192° / 607 m Dir: West; Behavior: Slow travel	
			9:13:00 PDT	Blow	
			16:13-GMT	Position: 251° / 1,019 m Dir: West; Behavior: Slow travel	
			9:14:00 PDT	Blow	Inside /
			16:14-GMT	Position: 254° / 1,019 m Dir: West; Behavior: Slow travel	Outside
	02	Fair - 0	Er Total 1 — 0 Calves at sighting		
			8:56:00 PDT	Blow	
			15:56-GMT	Position: 142° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
			9:04:00 PDT	Blow	
			16:04-GMT	Position: 156° / 1,369 m Dir: West; Behavior: Slow travel • Fluke	
			9:19:00 PDT	Blow	Inside /
			16:19-GMT	Position: 250° / 1,019 m Dir: West; Behavior: Slow travel • Fluke	Outside
	09	Good - 1	Er Total 2 — 0 Calves at sighting		
			9:42:00 PDT	Blow	
			16:42-GMT	Position: 122° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	
			9:53:00 PDT	Blow	
			16:53-GMT	Position: 128° / 2,872 m Dir: West; Behavior: Slow travel	
			10:01:00 PDT	Blow	
			17:01-GMT	Position: 141° / 2,553 m Dir: West; Behavior: Slow travel	
			10:05:00 PDT	Blow	
			17:05-GMT	Position: 146° / 2,094 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		10:12:00 PDT	Blow	
		17:12-GMT	Position: 163° / 1,113 m Dir: West; Behavior: Slow travel	
		<i>Still some haze</i>		
		10:17:00 PDT	Blow	
		17:17-GMT	Position: 187° / 1,228 m Dir: West; Behavior: Slow travel	
		10:18:00 PDT	Blow	
		17:18-GMT	Position: 190° / 1,369 m Dir: West; Behavior: Slow travel • Fluke	
		10:26:00 PDT	Blow	Inside /
		17:26-GMT	Position: 234° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	Outside
	10	Fair - 0	Er Total 1 — 0 Calves at sighting	
		10:05:00 PDT	Blow	
		17:05-GMT	Position: 139° / 2,094 m Dir: West; Behavior: Slow travel	
		10:06:00 PDT	Blow	
		17:06-GMT	Position: 141° / 2,094 m Dir: West; Behavior: Slow travel	
		10:06:00 PDT	Blow	Inside /
		17:06-GMT	Position: 144° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	Outside
	11	Fair - 0	Er Total 2 — 0 Calves at sighting	
		10:46:00 PDT	Blow	
		17:46-GMT	Position: 166° / 2,872 m Dir: West; Behavior: Slow travel • Rolling	
		10:54:00 PDT	Blow	
		17:54-GMT	Position: 184° / 3,288 m Dir: West; Behavior: Slow travel	
		11:07:00 PDT	Blow	
		18:07-GMT	Position: 207° / 2,872 m Dir: West; Behavior: Slow travel	
		11:14:00 PDT	Body	NI / Outside
		18:14-GMT	Position: 225° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	
	13	Good - 2	Er Total 3 — 0 Calves at sighting	
		11:29:00 PDT	Blow	
		18:29-GMT	Position: 134° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
		11:32:00 PDT	Blow	
		18:32-GMT	Position: 142° / 2,094 m Dir: West; Behavior: Slow travel	
		11:35:00 PDT	Blow	
		18:35-GMT	Position: 145° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
		11:42:00 PDT	Blow	
		18:42-GMT	Position: 160° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	
		11:49:00 PDT	Body	
		18:49-GMT	Position: 194° / 1,113 m Dir: West; Behavior: Slow travel	
		11:55:00 PDT	Blow	Inside /
		18:55-GMT	Position: 231° / 1,019 m Dir: West; Behavior: Slow travel • Fluke	Outside
	15	Good - 2	Er Total 2 — 0 Calves at sighting	
		12:06:00 PDT	Blow	
		19:06-GMT	Position: 149° / 2,553 m Dir: West; Behavior: Slow travel	
		12:11:00 PDT	Blow	
		19:11-GMT	Position: 162° / 1,778 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Bouys
			12:13:00 PDT	Blow	
			19:13-GMT	Position: 168° / 1,778 m Dir: West; Behavior: Slow travel	
			12:20:00 PDT	Blow	
			19:20-GMT	Position: 198° / 1,778 m Dir: West; Behavior: Slow travel	
			12:31:00 PDT	Blow	Inside /
			19:31-GMT	Position: 237° / 2,094 m Dir: West; Behavior: Slow travel	Outside
	16	Good - 2	Er Total 2 — 0 Calves at sighting		
			12:33:00 PDT	Blow	
			19:33-GMT	Position: 146° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
			12:40:00 PDT	Blow	
			19:40-GMT	Position: 162° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
			12:48:00 PDT	Blow	
			19:48-GMT	Position: 182° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	
			12:55:00 PDT	Blow	NI / NI
			19:55-GMT	Position: 213° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	
	17	Good - 2	Er Total 3 — 0 Calves at sighting		
			13:00:00 PDT	Blow	
			20:00-GMT	Position: 128° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	
			13:04:00 PDT	Blow	
			20:04-GMT	Position: 133° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
			13:11:00 PDT	Blow	
			20:11-GMT	Position: 149° / 2,553 m Dir: West; Behavior: Slow travel	
			13:13:00 PDT	Blow	
			20:13-GMT	Position: 156° / m Dir: West; Behavior: Slow travel	
			13:19:00 PDT	Blow	
			20:19-GMT	Position: 166° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
			13:21:00 PDT	Blow	
			20:21-GMT	Position: 175° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
			13:25:00 PDT	ni	
			20:25-GMT	Position: 197° / 1,778 m Dir: West; Behavior: Slow travel	
			13:28:00 PDT	Blow	
			20:28-GMT	Position: 187° / 1,778 m Dir: West; Behavior: not indicated	
			13:30:00 PDT	Blow	
			20:30-GMT	Position: 215° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	
			13:38:00 PDT	Blow	
			20:38-GMT	Position: 240° / 2,094 m Dir: West; Behavior: not indicated	
			13:46:00 PDT	Blow	Inside /
			20:46-GMT	Position: 252° / 2,094 m Dir: West; Behavior: Slow travel	Outside
	19	Good - 2	Er Total 2 — 0 Calves at sighting		
			13:30:00 PDT	Blow	
			20:30-GMT	Position: 224° / 675 m Dir: West; Behavior: Slow travel	
			13:33:00 PDT	Blow	
			20:33-GMT	Position: 234° / 812 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		13:34:00 PDT	Blow	
		20:34-GMT	Position: 240° / 812 m Dir: West; Behavior: Slow travel • Fluke	
		13:45:00 PDT	Blow	Inside /
		20:45-GMT	Position: 269° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	Outside
	22	Good - 3	Er Total 2 — 0 Calves at sighting	
		14:11:00 PDT	Blow	
		21:11-GMT	Position: 153° / 2,553 m Dir: West; Behavior: Slow travel	
		14:19:00 PDT	Blow	
		21:19-GMT	Position: 164° / 2,094 m Dir: West; Behavior: Slow travel	
		14:23:00 PDT	Blow	
		21:23-GMT	Position: 175° / 1,778 m Dir: West; Behavior: Slow travel	
		14:28:00 PDT	Blow	
		21:28-GMT	Position: 191° / 1,369 m Dir: West; Behavior: not indicated	
		14:35:00 PDT	Blow	Inside /
		21:35-GMT	Position: 231° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	Outside
	23	Good - 3	Er Total 1 — 0 Calves at sighting	
		14:24:00 PDT	Blow	
		21:24-GMT	Position: 187° / 1,546 m Dir: West; Behavior: not indicated	
		14:26:00 PDT	Blow	
		21:26-GMT	Position: 194° / 1,546 m Dir: West; Behavior: not indicated	
		14:34:00 PDT	Blow	Inside /
		21:34-GMT	Position: 224° / 871 m Dir: West; Behavior: not indicated	Outside
	25	Good - 3	Er Total 2 — 0 Calves at sighting	
		14:30:00 PDT	ni	
		21:30-GMT	Position: 187° / 551 m Dir: West; Behavior: Slow travel	
		14:34:00 PDT	Blow	
		21:34-GMT	Position: 224° / 871 m Dir: West; Behavior: Slow travel	
		14:41:00 PDT	Blow	Inside /
		21:41-GMT	Position: 244° / 1,019 m Dir: West; Behavior: Slow travel	Outside
	27	Good - 3	Er Total 3 — 0 Calves at sighting	
		15:05:00 PDT	Blow	
		22:05-GMT	Position: 122° / 4,712 m Dir: West; Behavior: Slow travel	
		15:09:00 PDT	Blow	
		22:09-GMT	Position: 124° / 4,712 m Dir: West; Behavior: Slow travel	
		15:17:00 PDT	Blow	
		22:17-GMT	Position: 128° / 3,288 m Dir: West; Behavior: Slow travel	
		15:23:00 PDT	Blow	
		22:23-GMT	Position: 135° / 3,288 m Dir: West; Behavior: Slow travel	
		15:29:00 PDT	Blow	
		22:29-GMT	Position: 143° / 2,872 m Dir: West; Behavior: Slow travel	
		15:39:00 PDT	Blow	
		22:39-GMT	Position: 150° / 2,553 m Dir: West; Behavior: Slow travel • Rolling	

Rostrum first

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Bouys
			15:45:00 PDT	Blow	
			22:45-GMT	Position: 170° / 1,778 m Dir: West; Behavior: Slow travel	
			15:49:00 PDT	Blow	
			22:49-GMT	Position: 180° / 1,778 m Dir: West; Behavior: Slow travel	
			15:55:00 PDT	Blow	
			22:55-GMT	Position: 199° / 1,778 m Dir: West; Behavior: Slow travel	
			15:58:00 PDT	Blow	
			22:58-GMT	Position: 168° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	
			16:00:00 PDT	Blow	
			23:00-GMT	Position: 214° / 1,778 m Dir: West; Behavior: Slow travel	
			16:02:00 PDT	Blow	
			23:02-GMT	Position: 221° / 1,778 m Dir: West; Behavior: Slow travel	
			16:05:00 PDT	Blow	
			23:05-GMT	Position: 233° / 1,778 m Dir: West; Behavior: Slow travel	
			16:27:00 PDT	ni	Inside /
			23:27-GMT	Position: 259° / 3,288 m Dir: West; Behavior: Slow travel	Outside
	28	Good - 2	Er Total 2 — 0 Calves at sighting		
			15:59:00 PDT	Blow	
			22:59-GMT	Position: 120° / 1,778 m Dir: West; Behavior: Slow travel	
			16:05:00 PDT	Blow	
			23:05-GMT	Position: 125° / 1,778 m Dir: West; Behavior: Slow travel	
			16:11:00 PDT	Blow	
			23:11-GMT	Position: 138° / 1,113 m Dir: West; Behavior: Slow travel • Fluke	
			16:15:00 PDT	Blow	
			23:15-GMT	Position: 155° / 715 m Dir: West; Behavior: Slow travel	
			16:20:00 PDT	Blow	
			23:20-GMT	Position: 171° / 578 m Dir: West; Behavior: Slow travel	
			16:22:00 PDT	Blow	Inside /
			23:22-GMT	Position: 213° / 639 m Dir: West; Behavior: Slow travel	Outside
	29	Good - 2	Er Total 2 — 0 Calves at sighting		
			16:02:00 PDT	Blow	
			23:02-GMT	Position: 209° / 551 m Dir: West; Behavior: Slow travel	
			16:03:00 PDT	Blow	
			23:03-GMT	Position: 211° / 505 m Dir: West; Behavior: Slow travel • Fluke	
			16:16:00 PDT	Blow	Inside /
			23:16-GMT	Position: 264° / 1,546 m Dir: West; Behavior: Slow travel	Outside
	30	Good - 2	Er Total 2 — 0 Calves at sighting		
			16:06:00 PDT	Blow	
			23:06-GMT	Position: 120° / 1,778 m Dir: West; Behavior: Slow travel	
			16:11:00 PDT	Blow	
			23:11-GMT	Position: 127° / 1,113 m Dir: West; Behavior: Slow travel	
			16:15:00 PDT	Blow	
			23:15-GMT	Position: 152° / 578 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Bouys
			16:18:00 PDT	Blow	
			23:18-GMT	Position: 177° / 607 m Dir: West; Behavior: Slow travel	
			16:22:00 PDT	Blow	NI / NI
			23:22-GMT	Position: 224° / 551 m Dir: West; Behavior: Slow travel	
	31	Good - 2	Er Total 3 — 0 Calves at sighting		
			16:20:00 PDT	Blow	
			23:20-GMT	Position: 220° / 1,546 m Dir: West; Behavior: Slow travel	
			16:25:00 PDT	Blow	
			23:25-GMT	Position: 225° / 1,369 m Dir: West; Behavior: Slow travel • Rolling	
			16:28:00 PDT	Blow	Inside /
			23:28-GMT	Position: 233° / 1,369 m Dir: West; Behavior: Slow travel	Outside
	32	Good - 2	Er Total 2 — 0 Calves at sighting		
			16:34:00 PDT	Blow	
			23:34-GMT	Position: 137° / 1,778 m Dir: West; Behavior: Slow travel	
			16:49:00 PDT	Blow	
			23:49-GMT	Position: 208° / 1,228 m Dir: West; Behavior: Slow travel	
			16:53:00 PDT	Blow	
			23:53-GMT	Position: 224° / 1,369 m Dir: West; Behavior: Slow travel	
			16:56:00 PDT	Blow	Inside /
			23:56-GMT	Position: 236° / 1,778 m Dir: West; Behavior: Slow travel	Outside

Mar 23 Total 16 Calves 0
Day 56 of 105

	04	Fair - 1	Er Total 1 — 0 Calves at sighting <i>Disappeared</i>		
			9:34:00 PDT	Blow	ND / ND
			16:34-GMT	Position: 144° / 840 m Dir: West; Behavior: Slow travel	
			<i>3 surfacings between 130 and 139 - not seen again - disappeared</i>		
	05	Fair - 0	Er Total 2 — 0 Calves at sighting		
			10:22:00 PDT	Blow	
			17:22-GMT	Position: 161° / 1,019 m Dir: West; Behavior: Slow travel	
			10:29:00 PDT	Body	Inside / ND
			17:29-GMT	Position: 217° / 761 m Dir: West; Behavior: Slow travel	
			<i>Faint to no blows - very small whale close in lead</i>		
	07	Fair - 0	Er Total 1 — 0 Calves at sighting		
			11:07:00 PDT	Blow	
			18:07-GMT	Position: 133° / 2,094 m Dir: West; Behavior: Slow travel	
			11:16:00 PDT	Blow	
			18:16-GMT	Position: 144° / 1,546 m Dir: West; Behavior: Slow travel	
			11:26:00 PDT	Blow	Inside / ND
			18:26-GMT	Position: 194° / 578 m Dir: West; Behavior: Slow travel • Fluke	
			<i>Still quite hazy - some 1 beaufort</i>		
	09	Good - 2	Er Total 2 — 0 Calves at sighting		
			13:41:00 PDT	Blow	
			20:41-GMT	Position: 164° / 2,553 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting	Quality - Beau	Blow/Body	Holly/Bouys
	Number	Time		
		13:49:00 PDT	Blow	
		20:49-GMT	Position: 183° / 2,094 m Dir: West; Behavior: Slow travel	
		13:53:00 PDT	Blow	
		20:53-GMT	Position: 198° / 2,094 m Dir: West; Behavior: Slow travel	
		14:06:00 PDT	ni	
		21:06-GMT	Position: 226° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
		14:18:00 PDT	Blow	Inside /
		21:18-GMT	Position: 244° / 2,553 m Dir: West; Behavior: not indicated	Outside
	10	Good - 2	Er Total 2 — 0 Calves at sighting	
		14:11:00 PDT	Blow	
		21:11-GMT	Position: 127° / 1,019 m Dir: West; Behavior: Slow travel	
		14:12:00 PDT	Blow	
		21:12-GMT	Position: 139° / 871 m Dir: West; Behavior: Slow travel	
		14:13:00 PDT	Blow	
		21:13-GMT	Position: 144° / 715 m Dir: West; Behavior: Slow travel • Fluke	
		14:19:00 PDT	Blow	
		21:19-GMT	Position: 203° / 466 m Dir: West; Behavior: Slow travel • Fluke	
		14:26:00 PDT	Blow	
		21:26-GMT	Position: 223° / 2,094 m Dir: West; Behavior: not indicated	
		14:26:00 PDT	Blow	
		21:26-GMT	Position: 263° / 871 m Dir: West; Behavior: Slow travel	
		14:30:00 PDT	Blow	Inside /
		21:30-GMT	Position: 274° / 871 m Dir: West; Behavior: Slow travel	Outside
	11	Good - 2	Er Total 1 — 0 Calves at sighting	
		14:31:00 PDT	Blow	
		21:31-GMT	Position: 144° / 1,369 m Dir: West; Behavior: Slow travel	
		14:38:00 PDT	Blow	
		21:38-GMT	Position: 187° / 812 m Dir: West; Behavior: Slow travel	
		14:42:00 PDT	Blow	
		21:42-GMT	Position: 212° / 871 m Dir: West; Behavior: Slow travel	
		14:47:00 PDT	Blow	Inside /
		21:47-GMT	Position: 250° / 1,369 m Dir: West; Behavior: Slow travel • Fluke	Outside
	12	Good - 2	Er Total 3 — 0 Calves at sighting	
		15:12:00 PDT	Blow	ND / ND
		22:12-GMT	Position: 246° / 2,553 m Dir: West; Behavior: Slow travel	
	13	Good - 1	Er Total 1 — 0 Calves at sighting	
		15:45:00 PDT	Blow	
		22:45-GMT	Position: 214° / 639 m Dir: West; Behavior: Slow travel	
		15:52:00 PDT	Blow	
		22:52-GMT	Position: 253° / 1,019 m Dir: West; Behavior: Slow travel	
		15:54:00 PDT	Blow	Inside /
		22:54-GMT	Position: 260° / 1,369 m Dir: West; Behavior: Slow travel	Outside

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau Time	Blow/Body	Holly/Bouys
	16	Fair - 1	Er Total 3 — 0 Calves at sighting	
		16:19:00 PDT	Blow	
		23:19-GMT	Position: 96° / 2,872 m Dir: West; Behavior: Slow travel	
		16:40:00 PDT	Blow	
		23:40-GMT	Position: 120° / 1,778 m Dir: West; Behavior: Slow travel	
		16:46:00 PDT	Body	
		23:46-GMT	Position: 131° / 1,546 m Dir: West; Behavior: Slow travel • Fluke	
		17:04:00 PDT	Blow	
		0:04;	Position: 225° / 1,019 m Dir: West; Behavior: Slow travel	
		3/24/2008-GMT		
		17:08:00 PDT	Blow	Inside /
		0:08;	Position: 232° / 1,019 m Dir: West; Behavior: not indicated	Outside
		3/24/2008-GMT		
		<i>Whale other side of Campus Point - Speed Twin on whale - left at 1625</i>		

Mar 24 Total 26 Calves 0
Day 57 of 105

	01	Poor - 1	Er Total 2 — 0 Calves at sighting	
		9:00:00 PDT	Blow	
		16:00-GMT	Position: 144° / 2,553 m Dir: West; Behavior: Slow travel	
		9:06:00 PDT	Blow	
		16:06-GMT	Position: 156° / 2,553 m Dir: West; Behavior: Slow travel	
		9:33:00 PDT	Blow	Inside /
		16:33-GMT	Position: 218° / 1,019 m Dir: West; Behavior: Slow travel	Outside
	02	Poor - 1	Er Total 1 — 0 Calves at sighting	
		9:11:00 PDT	Blow	
		16:11-GMT	Position: 124° / 2,094 m Dir: West; Behavior: Slow travel	
		9:15:00 PDT	Blow	
		16:15-GMT	Position: 130° / 1,546 m Dir: West; Behavior: Slow travel	
		9:16:00 PDT	Blow	
		16:16-GMT	Position: 134° / 1,369 m Dir: West; Behavior: Slow travel • Fluke	
		9:26:00 PDT	Blow	
		16:26-GMT	Position: 162° / 871 m Dir: West; Behavior: Slow travel	
		9:36:00 PDT	Blow	Inside /
		16:36-GMT	Position: 247° / 1,113 m Dir: West; Behavior: Slow travel	Outside
	07	Poor - 1	Er Total 4 — 0 Calves at sighting	
		9:48:00 PDT	Blow	
		16:48-GMT	Position: 125° / 2,094 m Dir: West; Behavior: Slow travel	
		9:53:00 PDT	Blow	
		16:53-GMT	Position: 140° / 1,369 m Dir: West; Behavior: Slow travel	
		9:57:00 PDT	Body	
		16:57-GMT	Position: 160° / 812 m Dir: West; Behavior: Slow travel	
		9:59:00 PDT	Body	
		16:59-GMT	Position: 176° / 812 m Dir: West; Behavior: Slow travel • Fluke	
		10:04:00 PDT	Body	
		17:04-GMT	Position: 222° / 812 m Dir: West; Behavior: not indicated	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		10:18:00 PDT	Body	Inside /
		17:18-GMT	Position: 263° / 1,778 m Dir: West; Behavior: Slow travel • Rolling	Outside
		<i>Saw baleen - different heads</i>		
	09	Poor - 2	Er Total 2 — 0 Calves at sighting	
		10:28:00 PDT	Blow	
		17:28-GMT	Position: 118° / 2,094 m Dir: West; Behavior: not indicated	
		10:39:00 PDT	Blow	
		17:39-GMT	Position: 140° / 1,369 m Dir: West; Behavior: Slow travel • Fluke	
		10:44:00 PDT	Blow	
		17:44-GMT	Position: 164° / 1,228 m Dir: West; Behavior: Slow travel	
		10:48:00 PDT	Blow	Inside / ND
		17:48-GMT	Position: 194° / 1,019 m Dir: West; Behavior: Slow travel	
	11	Poor - 2	Er Total 2 — 0 Calves at sighting	
		10:37:00 PDT	ni	
		17:37-GMT	Position: 120° / 2,553 m Dir: West; Behavior: Slow travel	
		10:55:00 PDT	ni	
		17:55-GMT	Position: 129° / 715 m Dir: West; Behavior: not indicated	
		10:57:00 PDT	Blow	
		17:57-GMT	Position: 139° / 607 m Dir: West; Behavior: not indicated	
		10:59:00 PDT	Blow	
		17:59-GMT	Position: 167° / 505 m Dir: West; Behavior: not indicated	
		11:01:00 PDT	Blow	
		18:01-GMT	Position: 205° / 466 m Dir: West; Behavior: not indicated	
		<i>Big blow/ small blow (no body)</i>		
		11:03:00 PDT	ni	
		18:03-GMT	Position: 242° / 639 m Dir: West; Behavior: Slow travel	
		11:05:00 PDT	Blow	Inside / ND
		18:05-GMT	Position: 250° / 675 m Dir: West; Behavior: Slow travel	
	12	Fair - 2	Er Total 2 — 0 Calves at sighting	
		11:07:00 PDT	ni	
		18:07-GMT	Position: 134° / 1,546 m Dir: West; Behavior: Slow travel	
		11:11:00 PDT	Blow	
		18:11-GMT	Position: 141° / 1,546 m Dir: West; Behavior: Slow travel	
		11:13:00 PDT	Blow	
		18:13-GMT	Position: 153° / 1,228 m Dir: West; Behavior: Slow travel	
		11:20:00 PDT	Blow	
		18:20-GMT	Position: 187° / 871 m Dir: West; Behavior: Slow travel • Fluke	
		11:25:00 PDT	Body	
		18:25-GMT	Position: 225° / 1,019 m Dir: West; Behavior: Slow travel	
		<i>Still hazy - bigger wind outside</i>		
		11:37:00 PDT	Body	Inside /
		18:37-GMT	Position: 265° / 1,546 m Dir: West; Behavior: Slow travel	Outside

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Bouys
	13	Fair - 3	Er Total 1 — 0 Calves at sighting		
			11:46:00 PDT	Blow	
			18:46-GMT	Position: 123° / 1,228 m Dir: West; Behavior: Slow travel • Fluke	
			11:51:00 PDT	Blow	
			18:51-GMT	Position: 146° / 675 m Dir: West; Behavior: Slow travel	
			11:55:00 PDT	Blow	
			18:55-GMT	Position: 175° / 466 m Dir: West; Behavior: Slow travel	
			12:00:00 PDT	Blow	Inside / ND
			19:00-GMT	Position: 234° / 939 m Dir: West; Behavior: Slow travel • Fluke	
	14	Poor - 3	Er Total 2 — 0 Calves at sighting		
			11:48:00 PDT	Blow	
			18:48-GMT	Position: 115° / 2,872 m Dir: West; Behavior: Slow travel	
			11:51:00 PDT	Blow	
			18:51-GMT	Position: 117° / 2,872 m Dir: West; Behavior: Slow travel	
			12:03:00 PDT	Blow	
			19:03-GMT	Position: 124° / 2,094 m Dir: West; Behavior: Slow travel	
			12:08:00 PDT	ni	
			19:08-GMT	Position: 136° / 1,778 m Dir: West; Behavior: Slow travel	
			12:12:00 PDT	Blow	
			19:12-GMT	Position: 150° / 1,228 m Dir: West; Behavior: Slow travel	
			12:19:00 PDT	Blow	
			19:19-GMT	Position: 181° / 939 m Dir: West; Behavior: not indicated	
			12:21:00 PDT	Blow	
			19:21-GMT	Position: 198° / 1,019 m Dir: West; Behavior: Slow travel	
			12:28:00 PDT	Blow	
			19:28-GMT	Position: 242° / 1,019 m Dir: West; Behavior: Slow travel	
			12:32:00 PDT	Body	
			19:32-GMT	Position: 256° / 1,369 m Dir: West; Behavior: Slow travel	
			12:36:00 PDT	Body	Inside /
			19:36-GMT	Position: 270° / 1,778 m Dir: West; Behavior: Slow travel • Rolling	Outside
	15	Poor - 1	Er Total 3 — 0 Calves at sighting		
			11:54:00 PDT	ni	
			18:54-GMT	Position: 114° / 3,288 m Dir: West; Behavior: Slow travel	
			11:57:00 PDT	Blow	
			18:57-GMT	Position: 114° / 2,553 m Dir: West; Behavior: Slow travel	
			12:01:00 PDT	ni	
			19:01-GMT	Position: 116° / 1,546 m Dir: West; Behavior: Slow travel	
			12:04:00 PDT	Blow	
			19:04-GMT	Position: 120° / 1,113 m Dir: West; Behavior: Slow travel	
			12:08:00 PDT	Blow	
			19:08-GMT	Position: 132° / 1,113 m Dir: West; Behavior: Slow travel	
			12:11:00 PDT	Blow	
			19:11-GMT	Position: 172° / 527 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting	Quality - Beau	Blow/Body	Holly/Bouys
	Number	Time		
		12:13:00 PDT	Blow	
		19:13-GMT	Position: 197° / 715 m Dir: West; Behavior: Slow travel	
		12:18:00 PDT	Blow	
		19:18-GMT	Position: 247° / 871 m Dir: West; Behavior: Slow travel	
		12:33:00 PDT	Blow	Inside /
		19:33-GMT	Position: 267° / 2,553 m Dir: West; Behavior: Slow travel	Outside
	16	Poor - 1	Er Total 2 — 0 Calves at sighting	
		12:51:00 PDT	Blow	
		19:51-GMT	Position: 165° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
		12:58:00 PDT	Blow	
		19:58-GMT	Position: 180° / 2,553 m Dir: West; Behavior: Slow travel	
		13:09:00 PDT	Blow	Inside / ND
		20:09-GMT	Position: 204° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	
	17	Poor - 1	Er Total 2 — 0 Calves at sighting	
		13:14:00 PDT	Blow	
		20:14-GMT	Position: 154° / 551 m Dir: West; Behavior: Slow travel	
		13:19:00 PDT	Blow	
		20:19-GMT	Position: 196° / 466 m Dir: West; Behavior: Slow travel • Fluke	
		13:21:00 PDT	Blow	Inside /
		20:21-GMT	Position: 233° / 2,094 m Dir: West; Behavior: not indicated	Outside
	20	Fair - 2	Er Total 2 — 0 Calves at sighting	
		14:21:00 PDT	Blow	ND / ND
		21:21-GMT	Position: 244° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	
	23	Good - 1	Er Total 1 — 0 Calves at sighting	
		16:14:00 PDT	Blow	
		23:14-GMT	Position: 219° / 2,094 m Dir: West; Behavior: Slow travel	
		16:19:00 PDT	Blow	Inside /
		23:19-GMT	Position: 229° / 2,094 m Dir: West; Behavior: Slow travel	Outside

Mar 25 Total 31 Calves 0
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	05	Poor - 3	Er Total 3 — 0 Calves at sighting	
		10:24:00 PDT	Blow	
		17:24-GMT	Position: 96° / 3,288 m Dir: West; Behavior: Slow travel	
		10:32:00 PDT	Blow	
		17:32-GMT	Position: 104° / 2,872 m Dir: West; Behavior: Slow travel	
		10:41:00 PDT	Blow	
		17:41-GMT	Position: 106° / 2,872 m Dir: West; Behavior: Slow travel	
		10:43:00 PDT	Blow	
		17:43-GMT	Position: 116° / 2,553 m Dir: West; Behavior: Slow travel	
		10:45:00 PDT	ni	
		17:45-GMT	Position: 119° / 2,094 m Dir: West; Behavior: Slow travel	
		<i>Condor on whale(s) the other side of Campus Point</i>		
		10:49:00 PDT	Blow	
		17:49-GMT	Position: 126° / 1,546 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		10:53:00 PDT	Blow	
		17:53-GMT	Position: 144° / 1,546 m Dir: West; Behavior: Slow travel • Fluke	
		11:08:00 PDT	ni	
		18:08-GMT	Position: 174° / 607 m Dir: West; Behavior: not indicated	
		11:10:00 PDT	Blow	
		18:10-GMT	Position: 196° / 551 m Dir: West; Behavior: Slow travel	
		11:12:00 PDT	Blow	
		18:12-GMT	Position: 213° / 715 m Dir: West; Behavior: Slow travel • Rolling	
		11:14:00 PDT	Blow	
		18:14-GMT	Position: 223° / 871 m Dir: West; Behavior: Slow travel	
		11:19:00 PDT	Blow	Inside /
		18:19-GMT	Position: 249° / 1,228 m Dir: West; Behavior: Slow travel	Outside
	06	Poor - 3	Er Total 4 — 0 Calves at sighting	
		10:35:00 PDT	Blow	
		17:35-GMT	Position: 115° / 2,553 m Dir: West; Behavior: Slow travel	
			<i>Very low 3 beaufort</i>	
		10:44:00 PDT	Blow	
		17:44-GMT	Position: 128° / 2,094 m Dir: West; Behavior: Slow travel	
		10:46:00 PDT	ni	
		17:46-GMT	Position: 132° / 1,778 m Dir: West; Behavior: Slow travel	
		10:52:00 PDT	Blow	
		17:52-GMT	Position: 144° / 1,369 m Dir: West; Behavior: Slow travel	
		10:53:00 PDT	Blow	
		17:53-GMT	Position: 156° / 1,369 m Dir: West; Behavior: Slow travel • Fluke	
		10:59:00 PDT	Blow	
		17:59-GMT	Position: 193° / 607 m Dir: West; Behavior: Slow travel	
		11:03:00 PDT	Blow	
		18:03-GMT	Position: 220° / 715 m Dir: West; Behavior: Slow travel	
		11:07:00 PDT	ni	Inside /
		18:07-GMT	Position: 246° / 1,019 m Dir: West; Behavior: Slow travel	Outside
			<i>Sightings #5 and #7 joined</i>	
	07	Poor - 3	Er Total 3 — 0 Calves at sighting	
		10:36:00 PDT	Blow	
		17:36-GMT	Position: 102° / 2,872 m Dir: West; Behavior: Slow travel	
		10:47:00 PDT	Blow	
		17:47-GMT	Position: 112° / 2,553 m Dir: West; Behavior: Slow travel	
		10:55:00 PDT	Blow	
		17:55-GMT	Position: 122° / 2,094 m Dir: West; Behavior: Slow travel	
		10:58:00 PDT	Blow	
		17:58-GMT	Position: 128° / 1,113 m Dir: West; Behavior: Slow travel	
		11:06:00 PDT	Blow	
		18:06-GMT	Position: 170° / 639 m Dir: West; Behavior: Slow travel	
		11:12:00 PDT	Blow	
		18:12-GMT	Position: 209° / 639 m Dir: West; Behavior: not indicated	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		11:14:00 PDT	Blow	
		18:14-GMT	Position: 223° / 871 m Dir: West; Behavior: not indicated	
		11:19:00 PDT	Blow	Inside /
		18:19-GMT	Position: 249° / 1,228 m Dir: West; Behavior: Slow travel	Outside
	08	Poor - 3	Er Total 2 — 0 Calves at sighting	
		11:11:00 PDT	Blow	
		18:11-GMT	Position: 144° / 1,369 m Dir: West; Behavior: Slow travel	
		11:13:00 PDT	Blow	
		18:13-GMT	Position: 159° / 871 m Dir: West; Behavior: Slow travel	
		11:19:00 PDT	ni	
		18:19-GMT	Position: 199° / 761 m Dir: West; Behavior: Slow travel	
		11:20:00 PDT	ni	NI / NI
		18:20-GMT	Position: 206° / 761 m Dir: West; Behavior: Slow travel • Fluke	
	10	Poor - 2	Er Total 2 — 0 Calves at sighting	
		11:42:00 PDT	Blow	
		18:42-GMT	Position: 130° / 1,294 m Dir: West; Behavior: Slow travel	
		11:45:00 PDT	ni	
		18:45-GMT	Position: 137° / 871 m Dir: West; Behavior: Slow travel	
		11:48:00 PDT	ni	
		18:48-GMT	Position: 147° / 761 m Dir: West; Behavior: Slow travel	
		11:50:00 PDT	Blow	
		18:50-GMT	Position: 165° / 639 m Dir: West; Behavior: Slow travel	
		11:53:00 PDT	Blow	
		18:53-GMT	Position: 195° / 551 m Dir: West; Behavior: Slow travel	
		11:55:00 PDT	Blow	
		18:55-GMT	Position: 217° / 639 m Dir: West; Behavior: Slow travel	
		11:56:00 PDT	Blow	Inside / ND
		18:56-GMT	Position: 229° / 639 m Dir: West; Behavior: Slow travel	
	11	Fair - 2	Er Total 3 — 0 Calves at sighting	
		12:30:00 PDT	Blow	
		19:30-GMT	Position: 110° / 2,094 m Dir: West; Behavior: not indicated	
		12:33:00 PDT	ni	
		19:33-GMT	Position: 114° / 2,094 m Dir: West; Behavior: not indicated	
		12:37:00 PDT	Blow	
		19:37-GMT	Position: 119° / 2,094 m Dir: West; Behavior: not indicated	
		12:42:00 PDT	Blow	
		19:42-GMT	Position: 124° / 1,778 m Dir: West; Behavior: not indicated	
		12:48:00 PDT	Blow	
		19:48-GMT	Position: 139° / 1,113 m Dir: West; Behavior: Slow travel • Fluke	
		12:53:00 PDT	Blow	
		19:53-GMT	Position: 165° / 639 m Dir: West; Behavior: Slow travel	
		12:56:00 PDT	Blow	
		19:56-GMT	Position: 194° / 578 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		13:00:00 PDT	Blow	Inside /
		20:00-GMT	Position: 235° / 715 m Dir: West; Behavior: not indicated	Outside
	12	Fair - 2	Er Total 2 — 0 Calves at sighting	
		12:34:00 PDT	ni	
		19:34-GMT	Position: 124° / 2,094 m Dir: West; Behavior: not indicated	
		12:38:00 PDT	ni	
		19:38-GMT	Position: 129° / 1,369 m Dir: West; Behavior: not indicated	
		12:40:00 PDT	Blow	
		19:40-GMT	Position: 134° / 1,019 m Dir: West; Behavior: not indicated	
		12:44:00 PDT	Blow	
		19:44-GMT	Position: 137° / 871 m Dir: West; Behavior: not indicated	
		12:45:00 PDT	ni	
		19:45-GMT	Position: 166° / 675 m Dir: West; Behavior: not indicated	
		12:47:00 PDT	Blow	
		19:47-GMT	Position: 185° / 639 m Dir: West; Behavior: not indicated	
		12:51:00 PDT	Blow	Inside / ND
		19:51-GMT	Position: 211° / 551 m Dir: West; Behavior: Slow travel • Fluke	
	13	Fair - 2	Er Total 3 — 0 Calves at sighting	
		12:37:00 PDT	ni	
		19:37-GMT	Position: 117° / 2,094 m Dir: West; Behavior: not indicated	
		12:39:00 PDT	ni	
		19:39-GMT	Position: 117° / 2,094 m Dir: West; Behavior: Slow travel • Rolling	
		12:41:00 PDT	Blow	
		19:41-GMT	Position: 117° / 2,094 m Dir: West; Behavior: not indicated	
		12:43:00 PDT	Blow	
		19:43-GMT	Position: 122° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	
		12:46:00 PDT	ni	
		19:46-GMT	Position: 120° / 2,094 m Dir: West; Behavior: Slow travel • Rolling	
		12:49:00 PDT	ni	
		19:49-GMT	Position: 122° / 2,094 m Dir: West; Behavior: Slow travel	
		12:51:00 PDT	Blow	
		19:51-GMT	Position: 122° / 2,094 m Dir: West; Behavior: Slow travel	
		12:55:00 PDT	ni	
		19:55-GMT	Position: 123° / 1,778 m Dir: West; Behavior: Slow travel	
		12:57:00 PDT	ni	
		19:57-GMT	Position: 124° / 1,778 m Dir: West; Behavior: not indicated	
		13:00:00 PDT	Blow	
		20:00-GMT	Position: 125° / 1,778 m Dir: West; Behavior: Slow travel • Rolling	
		13:02:00 PDT	Blow	
		20:02-GMT	Position: 127° / 1,546 m Dir: West; Behavior: Slow travel • Rolling • Fluke	
		13:08:00 PDT	Blow	
		20:08-GMT	Position: 133° / 1,369 m Dir: West; Behavior: Slow travel • Rolling	
		13:12:00 PDT	Blow	
		20:12-GMT	Position: 137° / 1,294 m Dir: West; Behavior: Slow travel • Rolling • Fluke	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Bouys
			13:14:00 PDT	Blow	
			20:14-GMT	Position: 140° / 1,228 m Dir: West; Behavior: Slow travel • Fluke • Rolling	
			13:18:00 PDT	Blow	
			20:18-GMT	Position: 144° / 871 m Dir: West; Behavior: Slow travel • Rolling • Fluke	
				<i>Pink Floyd at 1311 and 1318 and 1322(?)</i>	
			13:22:00 PDT	Blow	
			20:22-GMT	Position: 147° / 812 m Dir: West; Behavior: Slow travel • Rolling • Fluke	
			13:27:00 PDT	Blow	
			20:27-GMT	Position: 159° / 623 m Dir: West; Behavior: Slow travel • Rolling • Fluke	
			13:28:00 PDT	Blow	
			20:28-GMT	Position: 169° / 639 m Dir: West; Behavior: Slow travel • Rolling • Fluke	
			13:30:00 PDT	Blow	
			20:30-GMT	Position: 179° / 639 m Dir: West; Behavior: Slow travel • Fluke • Rolling	
			13:33:00 PDT	Blow	
			20:33-GMT	Position: 189° / m Dir: West; Behavior: Slow travel	
				<i>Sea lions swimming with the whales (about 3)</i>	
			13:35:00 PDT	Blow	
			20:35-GMT	Position: 196° / 639 m Dir: West; Behavior: Slow travel	
			13:37:00 PDT	Body	
			20:37-GMT	Position: 208° / 639 m Dir: West; Behavior: Slow travel • Fluke	
			13:41:00 PDT	Blow	
			20:41-GMT	Position: 220° / 715 m Dir: West; Behavior: Slow travel • Rolling • Fluke	
			13:42:00 PDT	Blow	
			20:42-GMT	Position: 226° / 761 m Dir: West; Behavior: Slow travel • Rolling • Fluke	
			13:46:00 PDT	Blow	
			20:46-GMT	Position: 236° / 812 m Dir: West; Behavior: Slow travel • Rolling • Fluke	
			13:50:00 PDT	Blow	
			20:50-GMT	Position: 245° / 812 m Dir: West; Behavior: Slow travel • Fluke • Rolling	
			13:52:00 PDT	Blow	
			20:52-GMT	Position: 250° / 1,019 m Dir: West; Behavior: Slow travel • Fluke • Rolling	
			14:08:00 PDT	Blow	
			21:08-GMT	Position: 264° / 1,228 m Dir: West; Behavior: Slow travel • Rolling • Fluke	
			14:31:00 PDT	ni	
			21:31-GMT	Position: 276° / 2,553 m Dir: West; Behavior: Slow travel • Rolling • Fluke	
			14:54:00 PDT	Blow	Inside /
			21:54-GMT	Position: 286° / 2,872 m Dir: West; Behavior: not indicated	Outside
15	Fair - 3	Er Total 2 — 0 Calves at sighting			
			13:39:00 PDT	ni	
			20:39-GMT	Position: 165° / 1,778 m Dir: West; Behavior: Slow travel	
			13:43:00 PDT	Blow	
			20:43-GMT	Position: 181° / 1,369 m Dir: West; Behavior: Slow travel	
			13:46:00 PDT	Blow	
			20:46-GMT	Position: 202° / 1,369 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		13:48:00 PDT	Blow	Inside / Outside
		20:48-GMT	Position: 214° / 1,228 m Dir: West; Behavior: Slow travel	
	17	Good - 3	Er Total 3 — 0 Calves at sighting	
		14:03:00 PDT	Blow	
		21:03-GMT	Position: 104° / 2,872 m Dir: West; Behavior: Slow travel	
		14:07:00 PDT	Blow	
		21:07-GMT	Position: 107° / 2,872 m Dir: West; Behavior: Slow travel	
		14:14:00 PDT	Blow	
		21:14-GMT	Position: 115° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
		14:22:00 PDT	Blow	
		21:22-GMT	Position: 130° / 1,369 m Dir: West; Behavior: Fluke	
		14:27:00 PDT	Blow	
		21:27-GMT	Position: 152° / 639 m Dir: West; Behavior: not indicated	
		14:29:00 PDT	Blow	
		21:29-GMT	Position: 171° / 527 m Dir: West; Behavior: not indicated	
		14:31:00 PDT	Blow	
		21:31-GMT	Position: 199° / 466 m Dir: West; Behavior: Fluke	
		14:33:00 PDT	Blow	
		21:33-GMT	Position: 224° / 578 m Dir: West; Behavior: not indicated	
		14:36:00 PDT	Blow	
		21:36-GMT	Position: 246° / 871 m Dir: West; Behavior: not indicated	
		14:39:00 PDT	Blow	Inside / Outside
		21:39-GMT	Position: 256° / 1,369 m Dir: West; Behavior: not indicated	
		14:42:00 PDT	Blow	
		21:42-GMT	Position: 266° / 1,294 m Dir: West; Behavior: not indicated	
	19	Good - 2	Er Total 1 — 0 Calves at sighting	
		15:39:00 PDT	Blow	
		22:39-GMT	Position: 111° / 2,872 m Dir: West; Behavior: Slow travel	
		15:47:00 PDT	Blow	
		22:47-GMT	Position: 122° / 2,094 m Dir: West; Behavior: Slow travel	
		15:52:00 PDT	Blow	
		22:52-GMT	Position: 138° / 1,778 m Dir: West; Behavior: not indicated	
		15:58:00 PDT	ni	
		22:58-GMT	Position: 165° / 840 m Dir: West; Behavior: Slow travel	
		16:04:00 PDT	Blow	
		23:04-GMT	Position: 220° / 578 m Dir: West; Behavior: Slow travel • Fluke	
		16:09:00 PDT	Blow	Inside / Outside
		23:09-GMT	Position: 256° / 871 m Dir: West; Behavior: not indicated	
	20	Good - 2	Er Total 3 — 0 Calves at sighting	
		15:56:00 PDT	Blow	
		22:56-GMT	Position: 147° / 2,872 m Dir: West; Behavior: not indicated	
		16:06:00 PDT	Blow	
		23:06-GMT	Position: 166° / 2,553 m Dir: West; Behavior: not indicated	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting	Quality - Beau		
	Number	Time	Blow/Body	Holly/Bouys
		16:11:00 PDT	Blow	
		23:11-GMT	Position: 180° / 2,553 m Dir: West; Behavior: not indicated	
		16:13:00 PDT	Blow	
		23:13-GMT	Position: 186° / 2,553 m Dir: West; Behavior: not indicated	
		16:16:00 PDT	Blow	
		23:16-GMT	Position: 194° / 2,094 m Dir: West; Behavior: not indicated	
		16:18:00 PDT	Blow	
		23:18-GMT	Position: 200° / 2,094 m Dir: West; Behavior: not indicated	
		16:21:00 PDT	Blow	
		23:21-GMT	Position: 211° / 2,094 m Dir: West; Behavior: not indicated	
		16:25:00 PDT	Blow	
		23:25-GMT	Position: 222° / 2,094 m Dir: West; Behavior: not indicated	
		16:30:00 PDT	Blow	Inside /
		23:30-GMT	Position: 232° / 2,553 m Dir: West; Behavior: not indicated	Outside
		<i>Very close to Holly (on inside)</i>		

Mar 26 Total 22 Calves 0
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01 Fair - 0 Er Total 2 — 0 Calves at sighting

9:01:00 PDT	Blow	
16:01-GMT	Position: 121° / 3,288 m Dir: West; Behavior: Slow travel	
9:12:00 PDT	Blow	
16:12-GMT	Position: 121° / 2,872 m Dir: West; Behavior: Slow travel	
9:19:00 PDT	Blow	
16:19-GMT	Position: 122° / 2,553 m Dir: West; Behavior: Slow travel	
9:25:00 PDT	Blow	
16:25-GMT	Position: 122° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
9:30:00 PDT	Blow	
16:30-GMT	Position: 123° / 1,778 m Dir: West; Behavior: not indicated	
9:33:00 PDT	Blow	
16:33-GMT	Position: 123° / 1,228 m Dir: West; Behavior: Slow travel • Fluke	
9:38:00 PDT	Blow	
16:38-GMT	Position: 136° / 812 m Dir: West; Behavior: Slow travel • Fluke	
9:45:00 PDT	Blow	
16:45-GMT	Position: 192° / 505 m Dir: West; Behavior: Slow travel	
9:48:00 PDT	Blow	
16:48-GMT	Position: 215° / 505 m Dir: West; Behavior: Slow travel	
9:52:00 PDT	Blow	
16:52-GMT	Position: 250° / 840 m Dir: West; Behavior: Slow travel	
9:54:00 PDT	Blow	Inside /
16:54-GMT	Position: 259° / 939 m Dir: West; Behavior: not indicated	Outside

07 Fair - 1 Er Total 3 — 0 Calves at sighting

10:07:00 PDT	Blow	
17:07-GMT	Position: 133° / 1,019 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		10:09:00 PDT	Blow	
		17:09-GMT	Position: 147° / 840 m Dir: West; Behavior: Slow travel	
		10:13:00 PDT	Blow	
		17:13-GMT	Position: 180° / 527 m Dir: West; Behavior: Slow travel	
		10:20:00 PDT	Blow	Inside /
		17:20-GMT	Position: 257° / 840 m Dir: West; Behavior: Slow travel • Rolling • Fluke	Outside
	08	Fair - 2	Er Total 1 — 0 Calves at sighting	
		10:28:00 PDT	Blow	
		17:28-GMT	Position: 107° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
		<i>Mixed beaufort 2-1-0</i>		
		<i>Still hazy</i>		
		10:31:00 PDT	Blow	
		17:31-GMT	Position: 113° / 2,094 m Dir: West; Behavior: Slow travel	
		10:36:00 PDT	Blow	
		17:36-GMT	Position: 121° / 1,228 m Dir: West; Behavior: Slow travel • Fluke	
		10:41:00 PDT	Blow	
		17:41-GMT	Position: 146° / 812 m Dir: West; Behavior: not indicated	
		10:46:00 PDT	Blow	
		17:46-GMT	Position: 209° / 551 m Dir: West; Behavior: Slow travel • Fluke	
		10:50:00 PDT	Blow	
		17:50-GMT	Position: 251° / 812 m Dir: West; Behavior: Slow travel • Fluke	
		10:54:00 PDT	Blow	Inside /
		17:54-GMT	Position: 267° / 1,369 m Dir: West; Behavior: not indicated	Outside
	09	Fair - 1	Er Total 3 — 0 Calves at sighting	
		10:56:00 PDT	Blow	
		17:56-GMT	Position: 105° / 3,288 m Dir: West; Behavior: not indicated	
		10:58:00 PDT	Body	
		17:58-GMT	Position: 107° / 2,872 m Dir: West; Behavior: Slow travel • Breach	
		11:03:00 PDT	Blow	
		18:03-GMT	Position: 109° / 2,872 m Dir: West; Behavior: not indicated	
		11:07:00 PDT	Blow	
		18:07-GMT	Position: 114° / 2,553 m Dir: West; Behavior: not indicated	
		11:14:00 PDT	Blow	
		18:14-GMT	Position: 124° / 1,546 m Dir: West; Behavior: not indicated	
		11:16:00 PDT	Blow	
		18:16-GMT	Position: 130° / 1,369 m Dir: West; Behavior: Slow travel	
		11:20:00 PDT	Blow	
		18:20-GMT	Position: 146° / 1,019 m Dir: West; Behavior: Slow travel	
		11:22:00 PDT	Blow	
		18:22-GMT	Position: 155° / 812 m Dir: West; Behavior: Slow travel • Fluke	
		11:27:00 PDT	Blow	
		18:27-GMT	Position: 204° / 812 m Dir: West; Behavior: Slow travel	
		11:29:00 PDT	Blow	
		18:29-GMT	Position: 223° / 939 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		11:31:00 PDT	Blow	
		18:31-GMT	Position: 234° / 1,019 m Dir: West; Behavior: Slow travel • Rolling	
		11:38:00 PDT	Blow	Inside /
		18:38-GMT	Position: 254° / 1,294 m Dir: West; Behavior: Slow travel • Rolling	Outside
	10	Fair - 1	Er Total 3 — 0 Calves at sighting	
		11:02:00 PDT	Blow	
		18:02-GMT	Position: 127° / 1,369 m Dir: West; Behavior: Slow travel	
		11:04:00 PDT	Blow	
		18:04-GMT	Position: 136° / 1,228 m Dir: West; Behavior: Slow travel	
		11:08:00 PDT	Blow	
		18:08-GMT	Position: 166° / 840 m Dir: West; Behavior: Slow travel	
		11:13:00 PDT	Blow	Inside / ND
		18:13-GMT	Position: 220° / 675 m Dir: West; Behavior: Slow travel	
	11	Fair - 1	Er Total 3 — 0 Calves at sighting	
		11:05:00 PDT	Blow	
		18:05-GMT	Position: 147° / 2,553 m Dir: West; Behavior: Slow travel	
		11:11:00 PDT	Blow	
		18:11-GMT	Position: 161° / 2,094 m Dir: West; Behavior: Slow travel	
		11:15:00 PDT	Blow	
		18:15-GMT	Position: 174° / 1,778 m Dir: West; Behavior: Slow travel	
		11:17:00 PDT	Blow	
		18:17-GMT	Position: 183° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	
		11:24:00 PDT	Blow	
		18:24-GMT	Position: 212° / 1,778 m Dir: West; Behavior: Slow travel	
		11:26:00 PDT	Blow	
		18:26-GMT	Position: 223° / 1,778 m Dir: West; Behavior: Slow travel	
		11:29:00 PDT	Blow	
		18:29-GMT	Position: 231° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	
		11:38:00 PDT	Blow	Inside /
		18:38-GMT	Position: 250° / 2,094 m Dir: West; Behavior: Slow travel	Outside
	13	Fair - 1	Er Total 3 — 0 Calves at sighting	
		11:43:00 PDT	Blow	
		18:43-GMT	Position: 173° / 1,019 m Dir: West; Behavior: Slow travel	
		11:46:00 PDT	Blow	
		18:46-GMT	Position: 187° / 871 m Dir: West; Behavior: Slow travel • Rolling	
		11:49:00 PDT	Blow	
		18:49-GMT	Position: 212° / 1,228 m Dir: West; Behavior: Slow travel	
		11:52:00 PDT	Blow	Inside /
		18:52-GMT	Position: 223° / 1,113 m Dir: West; Behavior: Slow travel • Rolling	Outside
	14	Good - 1	Er Total 1 — 0 Calves at sighting	
		12:43:00 PDT	Blow	
		19:43-GMT	Position: 138° / 1,294 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		12:47:00 PDT	Blow	
		19:47-GMT	Position: 171° / 939 m Dir: West; Behavior: Slow travel	
		12:50:00 PDT	Blow	
		19:50-GMT	Position: 191° / 761 m Dir: West; Behavior: Slow travel • Fluke	
		12:59:00 PDT	Blow	Inside /
		19:59-GMT	Position: 244° / 1,294 m Dir: West; Behavior: Slow travel	Outside
	15	Good - 3	Er Total 3 — 0 Calves at sighting	
		13:08:00 PDT	Body	
		20:08-GMT	Position: 154° / 675 m Dir: West; Behavior: Slow travel • Breach • Fluke	
		13:11:00 PDT	Blow	
		20:11-GMT	Position: 169° / 639 m Dir: West; Behavior: Slow travel • Fluke	
		13:13:00 PDT	Blow	
		20:13-GMT	Position: 186° / 527 m Dir: West; Behavior: Slow travel	
		13:16:00 PDT	Blow	
		20:16-GMT	Position: 217° / 527 m Dir: West; Behavior: Slow travel	
		13:21:00 PDT	Blow	
		20:21-GMT	Position: 251° / 639 m Dir: West; Behavior: Slow travel	
		13:22:00 PDT	Body	NI / NI
		20:22-GMT	Position: 254° / 840 m Dir: West; Behavior: Slow travel	
		lunge @ 240/1.25		

Mar 27 Total 25 Calves 0
Day 60 of 105

	01	Fair - 3	Er Total 2 — 0 Calves at sighting	
		8:52:00 PDT	Blow	
		15:52-GMT	Position: 138° / 3,288 m Dir: West; Behavior: Slow travel	
		8:56:00 PDT	Blow	
		15:56-GMT	Position: 140° / 3,288 m Dir: West; Behavior: Slow travel	
		9:05:00 PDT	Blow	
		16:05-GMT	Position: 144° / 3,288 m Dir: West; Behavior: Slow travel	
		9:12:00 PDT	Blow	
		16:12-GMT	Position: 154° / 2,872 m Dir: West; Behavior: Slow travel	
		9:19:00 PDT	Blow	
		16:19-GMT	Position: 166° / 1,778 m Dir: West; Behavior: Slow travel	
		9:21:00 PDT	Blow	Inside /
		16:21-GMT	Position: 179° / 1,019 m Dir: West; Behavior: Slow travel	Outside
	02	Fair - 3	Er Total 3 — 0 Calves at sighting	
		9:01:00 PDT	Blow	
		16:01-GMT	Position: 122° / 2,553 m Dir: West; Behavior: Slow travel	
		9:02:00 PDT	Blow	
		16:02-GMT	Position: 126° / 2,094 m Dir: West; Behavior: Slow travel	
		9:06:00 PDT	Blow	
		16:06-GMT	Position: 130° / 2,094 m Dir: West; Behavior: Slow travel	
		9:13:00 PDT	Blow	
		16:13-GMT	Position: 143° / 1,546 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		9:17:00 PDT	Blow	
		16:17-GMT	Position: 148° / 1,228 m Dir: West; Behavior: Slow travel	
		9:30:00 PDT	Blow	
		16:30-GMT	Position: 256° / 433 m Dir: West; Behavior: Slow travel	
		9:32:00 PDT	Blow	Inside / Inside
		16:32-GMT	Position: 266° / 675 m Dir: West; Behavior: Slow travel	
	03	Fair - 3	Er Total 2 — 0 Calves at sighting	
		9:02:00 PDT	Blow	
		16:02-GMT	Position: 127° / 551 m Dir: West; Behavior: Slow travel	
		9:05:00 PDT	Blow	
		16:05-GMT	Position: 132° / 485 m Dir: West; Behavior: Slow travel	
		9:09:00 PDT	Blow	
		16:09-GMT	Position: 168° / 433 m Dir: West; Behavior: Slow travel	
		9:11:00 PDT	Body	
		16:11-GMT	Position: 184° / 418 m Dir: West; Behavior: Slow travel	
		9:12:00 PDT	Blow	Inside /
		16:12-GMT	Position: 207° / 378 m Dir: West; Behavior: Slow travel	Outside
	05	Fair - 3	Er Total 2 — 0 Calves at sighting	
		9:18:00 PDT	Blow	
		16:18-GMT	Position: 181° / 378 m Dir: West; Behavior: Slow travel	
		9:22:00 PDT	Blow	
		16:22-GMT	Position: 235° / 449 m Dir: West; Behavior: Slow travel	
		9:25:00 PDT	Blow	
		16:25-GMT	Position: 260° / 607 m Dir: West; Behavior: Slow travel	
		9:28:00 PDT	Blow	Inside / ND
		16:28-GMT	Position: 266° / 675 m Dir: West; Behavior: Slow travel	
	06	Fair - 4	Er Total 2 — 0 Calves at sighting	
		9:56:00 PDT	Blow	
		16:56-GMT	Position: 141° / 2,094 m Dir: West; Behavior: Slow travel	
		10:01:00 PDT	Blow	
		17:01-GMT	Position: 146° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
		10:06:00 PDT	Blow	
		17:06-GMT	Position: 162° / 1,778 m Dir: West; Behavior: Slow travel	
		10:10:00 PDT	Blow	
		17:10-GMT	Position: 172° / 1,546 m Dir: West; Behavior: Slow travel • Fluke	
		10:14:00 PDT	Blow	
		17:14-GMT	Position: 196° / 1,294 m Dir: West; Behavior: Slow travel	
		10:18:00 PDT	Blow	
		17:18-GMT	Position: 220° / 1,228 m Dir: West; Behavior: Slow travel	
		10:20:00 PDT	Blow	
		17:20-GMT	Position: 228° / 1,369 m Dir: West; Behavior: Slow travel	
		10:21:00 PDT	Blow	
		17:21-GMT	Position: 236° / 1,546 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		10:27:00 PDT	Blow	Inside /
		17:27-GMT	Position: 254° / 2,094 m Dir: West; Behavior: Slow travel	Outside
	08	Fair - 4	Er Total 2 — 0 Calves at sighting	
		10:37:00 PDT	Blow	
		17:37-GMT	Position: 144° / 1,369 m Dir: West; Behavior: Slow travel	
		10:43:00 PDT	Blow	
		17:43-GMT	Position: 170° / 1,228 m Dir: West; Behavior: Slow travel	
		10:48:00 PDT	Blow	Inside / ND
		17:48-GMT	Position: 195° / 1,228 m Dir: West; Behavior: Slow travel	
	10	Fair - 4	Er Total 3 — 0 Calves at sighting	
		10:37:00 PDT	Blow	
		17:37-GMT	Position: 148° / 3,288 m Dir: West; Behavior: Slow travel	
		10:47:00 PDT	Blow	
		17:47-GMT	Position: 155° / 3,288 m Dir: West; Behavior: Slow travel	
		10:51:00 PDT	Blow	
		17:51-GMT	Position: 158° / 3,288 m Dir: West; Behavior: Slow travel	
		10:58:00 PDT	Blow	
		17:58-GMT	Position: 167° / 2,872 m Dir: West; Behavior: Slow travel	
		11:08:00 PDT	Blow	
		18:08-GMT	Position: 184° / 2,553 m Dir: West; Behavior: Slow travel	
		11:20:00 PDT	Blow	
		18:20-GMT	Position: 229° / 2,094 m Dir: West; Behavior: Slow travel	
		11:39:00 PDT	Blow	Inside /
		18:39-GMT	Position: 252° / 2,872 m Dir: West; Behavior: Slow travel	Outside
	11	Fair - 4	Er Total 1 — 0 Calves at sighting	
		11:07:00 PDT	Blow	
		18:07-GMT	Position: 215° / 378 m Dir: West; Behavior: Slow travel	
		11:12:00 PDT	Blow	Inside / Inside
		18:12-GMT	Position: 266° / 607 m Dir: West; Behavior: Slow travel	
	13	Fair - 4	Er Total 2 — 0 Calves at sighting	
		11:30:00 PDT	Blow	
		18:30-GMT	Position: 119° / 1,546 m Dir: West; Behavior: Slow travel	
		11:32:00 PDT	Blow	
		18:32-GMT	Position: 123° / 1,113 m Dir: West; Behavior: Slow travel	
		11:35:00 PDT	Blow	
		18:35-GMT	Position: 134° / 761 m Dir: West; Behavior: Slow travel	
		11:40:00 PDT	Blow	
		18:40-GMT	Position: 154° / 715 m Dir: West; Behavior: Slow travel	
		11:41:00 PDT	Blow	
		18:41-GMT	Position: 162° / 505 m Dir: West; Behavior: Slow travel	
		11:42:00 PDT	Blow	
		18:42-GMT	Position: 176° / 485 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Bouys
			11:45:00 PDT	Blow	
			18:45-GMT	Position: 215° / 551 m Dir: West; Behavior: Slow travel	
			11:46:00 PDT	Blow	
			18:46-GMT	Position: 224° / 578 m Dir: West; Behavior: Slow travel	
			11:47:00 PDT	Blow	Inside /
			18:47-GMT	Position: 233° / 607 m Dir: West; Behavior: Slow travel	Outside
	14	Fair - 4	Er Total 1 — 0 Calves at sighting		
			11:36:00 PDT	Blow	ND / Outside
			18:36-GMT	Position: 239° / 939 m Dir: West; Behavior: Slow travel	
	15	Fair - 4	Er Total 2 — 0 Calves at sighting		
			11:38:00 PDT	Blow	
			18:38-GMT	Position: 137° / 4,712 m Dir: West; Behavior: Slow travel	
			11:49:00 PDT	Blow	
			18:49-GMT	Position: 143° / 4,712 m Dir: West; Behavior: Slow travel	
			12:07:00 PDT	Blow	
			19:07-GMT	Position: 159° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
			12:19:00 PDT	Blow	
			19:19-GMT	Position: 171° / 2,872 m Dir: West; Behavior: Slow travel	
			12:23:00 PDT	Blow	
			19:23-GMT	Position: 180° / 2,872 m Dir: West; Behavior: Slow travel	
			12:24:00 PDT	Blow	NI / NI
			19:24-GMT	Position: 185° / 2,872 m Dir: West; Behavior: Slow travel	
	16	Fair - 4	Er Total 3 — 0 Calves at sighting		
			11:45:00 PDT	Blow	
			18:45-GMT	Position: 127° / 1,019 m Dir: West; Behavior: Slow travel	
			11:47:00 PDT	Blow	
			18:47-GMT	Position: 136° / 812 m Dir: West; Behavior: Slow travel	
			11:51:00 PDT	Blow	
			18:51-GMT	Position: 161° / 607 m Dir: West; Behavior: Slow travel	
			11:53:00 PDT	Blow	
			18:53-GMT	Position: 185° / 527 m Dir: West; Behavior: Slow travel	
			11:55:00 PDT	Body	
			18:55-GMT	Position: 211° / 639 m Dir: West; Behavior: Slow travel • Breach	
			11:58:00 PDT	Body	Inside /
			18:58-GMT	Position: 243° / 675 m Dir: West; Behavior: Slow travel • Rolling	Outside

Mar 28 Total 21 Calves 0
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	01	Poor - 2	Er Total 2 — 0 Calves at sighting		
			8:50:00 PDT	Blow	
			15:50-GMT	Position: 124° / 433 m Dir: West; Behavior: Slow travel • Rolling	
			8:52:00 PDT	Blow	
			15:52-GMT	Position: 171° / 433 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Bouys
			8:54:00 PDT	Blow	
			15:54-GMT	Position: 215° / 336 m Dir: West; Behavior: Slow travel	
			8:57:00 PDT	Blow	
			15:57-GMT	Position: 244° / 485 m Dir: West; Behavior: Slow travel • Rolling	
			9:01:00 PDT	Blow	
			16:01-GMT	Position: 260° / 715 m Dir: West; Behavior: Slow travel • Rolling	
			9:05:00 PDT	Blow	Inside / Inside
			16:05-GMT	Position: 282° / 840 m Dir: West; Behavior: Slow travel • Rolling	
	02	Poor - 2	Er Total 1 — 0 Calves at sighting		
			9:13:00 PDT	Blow	ND / ND
			16:13-GMT	Position: 146° / 1,228 m Dir: West; Behavior: Slow travel	
	03	Fair - 1	Er Total 2 — 0 Calves at sighting		
			9:29:00 PDT	Blow	
			16:29-GMT	Position: 137° / 2,094 m Dir: West; Behavior: Slow travel	
			9:32:00 PDT	Blow	
			16:32-GMT	Position: 147° / 1,228 m Dir: West; Behavior: Slow travel	
			9:35:00 PDT	Blow	
			16:35-GMT	Position: 159° / 1,019 m Dir: West; Behavior: Slow travel	
			9:37:00 PDT	Blow	
			16:37-GMT	Position: 169° / 1,019 m Dir: West; Behavior: Slow travel	
			9:42:00 PDT	ni	
			16:42-GMT	Position: 204° / 871 m Dir: West; Behavior: Slow travel	
			9:49:00 PDT	Blow	Inside / Outside
			16:49-GMT	Position: 250° / 1,113 m Dir: West; Behavior: Slow travel	
	04	Fair - 1	Er Total 2 — 0 Calves at sighting		
			9:30:00 PDT	Blow	
			16:30-GMT	Position: 127° / 1,546 m Dir: West; Behavior: Slow travel	
			9:34:00 PDT	Blow	
			16:34-GMT	Position: 144° / 871 m Dir: West; Behavior: Slow travel	
			9:38:00 PDT	Body	
			16:38-GMT	Position: 169° / 715 m Dir: West; Behavior: Slow travel	
			9:39:00 PDT	Blow	
			16:39-GMT	Position: 177° / 761 m Dir: West; Behavior: Slow travel	
			9:44:00 PDT	Blow	
			16:44-GMT	Position: 237° / 715 m Dir: West; Behavior: Slow travel	
			9:52:00 PDT	Blow	Inside / Through
			16:52-GMT	Position: 276° / 1,369 m Dir: West; Behavior: Slow travel	
	05	Fair - 1	Er Total 3 — 0 Calves at sighting		
			9:53:00 PDT	Blow	
			16:53-GMT	Position: 140° / 505 m Dir: West; Behavior: Slow travel	
			9:56:00 PDT	Blow	
			16:56-GMT	Position: 168° / 390 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting	Quality - Beau	Blow/Body	Holly/Bouys
	Number	Time		
		10:01:00 PDT	Blow	
		17:01-GMT	Position: 236° / 527 m Dir: West; Behavior: Slow travel	
		10:09:00 PDT	Blow	Inside / Inside
		17:09-GMT	Position: 288° / 1,369 m Dir: West; Behavior: Slow travel	
	06	Fair - 1	Er Total 2 — 0 Calves at sighting	
		10:12:00 PDT	Blow	
		17:12-GMT	Position: 136° / 1,369 m Dir: West; Behavior: Slow travel	
		10:15:00 PDT	Blow	
		17:15-GMT	Position: 145° / 1,113 m Dir: West; Behavior: Slow travel	
		10:20:00 PDT	Blow	
		17:20-GMT	Position: 177° / 675 m Dir: West; Behavior: Slow travel	
		10:27:00 PDT	Blow	Inside / ND
		17:27-GMT	Position: 236° / 812 m Dir: West; Behavior: Slow travel	
	07	Fair - 2	Er Total 1 — 0 Calves at sighting	
		10:35:00 PDT	Blow	
		17:35-GMT	Position: 138° / 1,019 m Dir: West; Behavior: Slow travel	
		10:43:00 PDT	Blow	
		17:43-GMT	Position: 177° / 840 m Dir: West; Behavior: Slow travel • Fluke	
		10:48:00 PDT	Blow	Inside /
		17:48-GMT	Position: 224° / 812 m Dir: West; Behavior: Slow travel	Outside
	10	Fair - 1	Er Total 2 — 0 Calves at sighting	
		11:23:00 PDT	Blow	
		18:23-GMT	Position: 168° / 2,553 m Dir: West; Behavior: Slow travel	
		11:29:00 PDT	Blow	
		18:29-GMT	Position: 180° / 2,553 m Dir: West; Behavior: Slow travel	
		11:41:00 PDT	Blow	
		18:41-GMT	Position: 213° / 2,553 m Dir: West; Behavior: Slow travel	
		11:46:00 PDT	Blow	
		18:46-GMT	Position: 224° / 2,553 m Dir: West; Behavior: Slow travel	
		11:49:00 PDT	Blow	
		18:49-GMT	Position: 231° / 2,553 m Dir: West; Behavior: Slow travel	
		11:51:00 PDT	Blow	Inside /
		18:51-GMT	Position: 235° / 2,553 m Dir: West; Behavior: Slow travel	Outside
	12	Fair - 1	Er Total 2 — 0 Calves at sighting	
		12:21:00 PDT	Blow	
		19:21-GMT	Position: 120° / 1,369 m Dir: West; Behavior: Slow travel	
		12:25:00 PDT	Blow	
		19:25-GMT	Position: 127° / 812 m Dir: West; Behavior: Slow travel	
		12:28:00 PDT	Blow	
		19:28-GMT	Position: 146° / 527 m Dir: West; Behavior: Slow travel	
		12:31:00 PDT	Blow	
		19:31-GMT	Position: 180° / 418 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		12:35:00 PDT	Blow	NI / NI
		19:35-GMT	Position: 235° / 505 m Dir: West; Behavior: Slow travel	
	13	Fair - 1	Er Total 1 — 0 Calves at sighting	
		12:48:00 PDT	Blow	
		19:48-GMT	Position: 128° / 607 m Dir: West; Behavior: Slow travel	
		12:52:00 PDT	Blow	
		19:52-GMT	Position: 186° / 367 m Dir: West; Behavior: Slow travel	
		12:54:00 PDT	Blow	
		19:54-GMT	Position: 226° / 418 m Dir: West; Behavior: Slow travel	
		12:55:00 PDT	Blow	NI / NI
		19:55-GMT	Position: 234° / 466 m Dir: West; Behavior: Slow travel	
		<i>some haze but good contrast</i>		
	15	Good - 1	Er Total 3 — 0 Calves at sighting	
		13:39:00 PDT	Blow	
		20:39-GMT	Position: 131° / 1,546 m Dir: West; Behavior: Slow travel	
		13:44:00 PDT	Blow	
		20:44-GMT	Position: 147° / 1,019 m Dir: West; Behavior: Slow travel	
		13:48:00 PDT	Blow	
		20:48-GMT	Position: 173° / 715 m Dir: West; Behavior: Slow travel	
		13:52:00 PDT	Blow	
		20:52-GMT	Position: 202° / 840 m Dir: West; Behavior: Slow travel	
		13:53:00 PDT	Blow	
		20:53-GMT	Position: 215° / 939 m Dir: West; Behavior: Slow travel	
		13:56:00 PDT	Blow	Inside /
		20:56-GMT	Position: 231° / 939 m Dir: West; Behavior: Slow travel	Outside

Mar 29 Total 13 Calves 0
Day 62 of 105

	04	Fair - 2	Er Total 1 — 0 Calves at sighting	
		9:49:00 PDT	Blow	
		16:49-GMT	Position: 127° / 1,778 m Dir: West; Behavior: Slow travel	
		9:59:00 PDT	Blow	
		16:59-GMT	Position: 168° / 639 m Dir: West; Behavior: Slow travel	
		10:02:00 PDT	Blow	
		17:02-GMT	Position: 228° / 675 m Dir: West; Behavior: Slow travel	
		10:07:00 PDT	Blow	Inside /
		17:07-GMT	Position: 248° / 871 m Dir: West; Behavior: Slow travel	Outside
	06	Fair - 2	Er Total 5 — 0 Calves at sighting	
		11:21:00 PDT	Blow	
		18:21-GMT	Position: 109° / 4,712 m Dir: West; Behavior: Slow travel	
		12:47:00 PDT	Blow	
		19:47-GMT	Position: 160° / 2,553 m Dir: West; Behavior: Slow travel	
		12:50:00 PDT	Blow	
		19:50-GMT	Position: 164° / 2,872 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		12:53:00 PDT	Blow	
		19:53-GMT	Position: 168° / 2,553 m Dir: West; Behavior: Slow travel	
		12:55:00 PDT	Blow	
		19:55-GMT	Position: 172° / 2,872 m Dir: West; Behavior: Slow travel	
		12:59:00 PDT	Blow	
		19:59-GMT	Position: 177° / 2,872 m Dir: West; Behavior: Slow travel	
		13:01:00 PDT	Blow	
		20:01-GMT	Position: 184° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
		13:03:00 PDT	Blow	
		20:03-GMT	Position: 187° / 2,872 m Dir: West; Behavior: Slow travel	
		13:06:00 PDT	Blow	
		20:06-GMT	Position: 193° / 2,553 m Dir: West; Behavior: Slow travel	
		13:10:00 PDT	Blow	
		20:10-GMT	Position: 204° / 2,553 m Dir: West; Behavior: Slow travel	
		13:15:00 PDT	Blow	
		20:15-GMT	Position: 214° / 2,872 m Dir: West; Behavior: Slow travel	
		13:21:00 PDT	Blow	
		20:21-GMT	Position: 222° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
		13:23:00 PDT	Blow	
		20:23-GMT	Position: 224° / 2,872 m Dir: West; Behavior: Slow travel • Breach • Fast	
		13:28:00 PDT	Blow	
		20:28-GMT	Position: 229° / 2,872 m Dir: West; Behavior: Slow travel	
		13:29:00 PDT	Blow	
		20:29-GMT	Position: 227° / 2,872 m Dir: West; Behavior: Slow travel	
		13:30:00 PDT	Blow	
		20:30-GMT	Position: 229° / 2,872 m Dir: West; Behavior: Slow travel	
		13:39:00 PDT	Blow	
		20:39-GMT	Position: 241° / 3,288 m Dir: West; Behavior: Slow travel	
		13:57:00 PDT	Blow	Outside /
		20:57-GMT	Position: 260° / 4,712 m Dir: West; Behavior: Slow travel	Outside
	07	Good - 3	Er Total 2 — 0 Calves at sighting	
		12:09:00 PDT	Blow	
		19:09-GMT	Position: 143° / 1,113 m Dir: West; Behavior: Slow travel	
		12:14:00 PDT	Blow	
		19:14-GMT	Position: 163° / 871 m Dir: West; Behavior: Slow travel	
		12:16:00 PDT	Blow	
		19:16-GMT	Position: 181° / 812 m Dir: West; Behavior: Slow travel	
		12:23:00 PDT	Blow	Inside /
		19:23-GMT	Position: 223° / 1,019 m Dir: West; Behavior: Slow travel	Outside
	08	Good - 3	Er Total 1 — 0 Calves at sighting	
		12:21:00 PDT	Blow	
		19:21-GMT	Position: 134° / 1,019 m Dir: West; Behavior: Slow travel	
		12:26:00 PDT	Blow	
		19:26-GMT	Position: 159° / 761 m Dir: West; Behavior: Slow travel • Fluke	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		12:36:00 PDT	Blow	Inside /
		19:36-GMT	Position: 236° / 1,019 m Dir: West; Behavior: Slow travel	Outside
	09	Good - 3	Er Total 2 — 0 Calves at sighting	
		13:20:00 PDT	Blow	
		20:20-GMT	Position: 107° / 2,094 m Dir: West; Behavior: Slow travel	
		13:24:00 PDT	Blow	
		20:24-GMT	Position: 105° / 1,778 m Dir: West; Behavior: Slow travel	
		13:26:00 PDT	Blow	
		20:26-GMT	Position: 106° / 1,546 m Dir: West; Behavior: Slow travel	
		13:30:00 PDT	Blow	
		20:30-GMT	Position: 113° / 1,778 m Dir: West; Behavior: Slow travel	
		13:36:00 PDT	Blow	
		20:36-GMT	Position: 115° / 1,369 m Dir: West; Behavior: Slow travel	
		13:40:00 PDT	Blow	
		20:40-GMT	Position: 118° / 1,019 m Dir: West; Behavior: Slow travel	
		13:42:00 PDT	Blow	
		20:42-GMT	Position: 126° / 812 m Dir: West; Behavior: Slow travel	
		13:42:00 PDT	Blow	
		20:42-GMT	Position: 129° / 812 m Dir: West; Behavior: Slow travel	
		13:44:00 PDT	Blow	
		20:44-GMT	Position: 141° / 675 m Dir: West; Behavior: Slow travel	
		13:49:00 PDT	Blow	
		20:49-GMT	Position: 184° / 449 m Dir: West; Behavior: Slow travel	
		13:56:00 PDT	Blow	
		20:56-GMT	Position: 252° / 578 m Dir: West; Behavior: Slow travel	
		13:59:00 PDT	Blow	
		20:59-GMT	Position: 263° / 761 m Dir: West; Behavior: Slow travel	
		14:03:00 PDT	Blow	Inside / Inside
		21:03-GMT	Position: 271° / 1,369 m Dir: West; Behavior: Slow travel	
	10	Good - 3	Er Total 1 — 0 Calves at sighting	
		13:31:00 PDT	Blow	
		20:31-GMT	Position: 232° / 639 m Dir: West; Behavior: Slow travel	
		13:38:00 PDT	Body	Inside /
		20:38-GMT	Position: 264° / 1,369 m Dir: West; Behavior: Slow travel • Fluke	Outside
	13	Fair - 4	Er Total 1 — 0 Calves at sighting	
		14:51:00 PDT	Blow	
		21:51-GMT	Position: 168° / 607 m Dir: West; Behavior: Slow travel	
		14:55:00 PDT	Blow	
		21:55-GMT	Position: 203° / 527 m Dir: West; Behavior: Slow travel	
		14:57:00 PDT	Blow	Inside /
		21:57-GMT	Position: 240° / 675 m Dir: West; Behavior: Slow travel	Outside

Mar 30 Total 3 Calves 0
Day 63 of 105

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Bouys
	01	Poor - 3	Er Total 1 — 0 Calves at sighting		
			8:50:00 PDT	Blow	
			15:50-GMT	Position: 123° / 1,228 m Dir: West; Behavior: Slow travel	
			9:04:00 PDT	Blow	
			16:04-GMT	Position: 188° / 367 m Dir: West; Behavior: Slow travel	
			9:06:00 PDT	Blow	
			16:06-GMT	Position: 226° / 466 m Dir: West; Behavior: Slow travel	
			9:10:00 PDT	Blow	Inside / ND
			16:10-GMT	Position: 252° / 607 m Dir: West; Behavior: Slow travel	
	03	Poor - 3	Er Total 2 — 0 Calves at sighting		
			9:36:00 PDT	Blow	
			16:36-GMT	Position: 121° / 2,553 m Dir: West; Behavior: Slow travel	
			9:42:00 PDT	Blow	ND / ND
			16:42-GMT	Position: 143° / 1,778 m Dir: West; Behavior: Slow travel	
			<i>lost whale in wind possibly group of 3 or more.</i>		

Mar 31 Total 25 Calves 0
Day 64 of 105

	05	Fair - 1	Er Total 2 — 0 Calves at sighting		
			10:38:00 PDT	Blow	
			17:38-GMT	Position: 132° / 2,872 m Dir: West; Behavior: Slow travel	
			10:46:00 PDT	Blow	
			17:46-GMT	Position: 140° / 2,872 m Dir: West; Behavior: Slow travel	
			10:53:00 PDT	Blow	
			17:53-GMT	Position: 145° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
			11:01:00 PDT	Blow	
			18:01-GMT	Position: 155° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
			11:10:00 PDT	Blow	
			18:10-GMT	Position: 173° / 1,778 m Dir: West; Behavior: Slow travel	
			11:17:00 PDT	Blow	
			18:17-GMT	Position: 195° / 1,546 m Dir: West; Behavior: Slow travel • Fluke	
			11:24:00 PDT	Blow	
			18:24-GMT	Position: 221° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	
			11:30:00 PDT	Blow	Inside /
			18:30-GMT	Position: 237° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	Outside
			<i>mixed beaufort of 2-1-0</i>		
	06	Fair - 2	Er Total 3 — 0 Calves at sighting		
			11:46:00 PDT	Blow	
			18:46-GMT	Position: 108° / 2,872 m Dir: West; Behavior: Slow travel	
			11:49:00 PDT	Blow	
			18:49-GMT	Position: 109° / 2,872 m Dir: West; Behavior: Slow travel	
			11:51:00 PDT	Blow	
			18:51-GMT	Position: 109° / 2,553 m Dir: West; Behavior: Slow travel	
			11:54:00 PDT	Blow	
			18:54-GMT	Position: 110° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Bouys
			12:00:00 PDT	Blow	
			19:00-GMT	Position: 117° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	
			12:03:00 PDT	Blow	
			19:03-GMT	Position: 121° / 1,546 m Dir: West; Behavior: Slow travel	
			12:07:00 PDT	Blow	
			19:07-GMT	Position: 138° / 871 m Dir: West; Behavior: Slow travel	
			12:09:00 PDT	Blow	
			19:09-GMT	Position: 147° / 761 m Dir: West; Behavior: Slow travel • Fluke	
			12:12:00 PDT	Blow	
			19:12-GMT	Position: 164° / 527 m Dir: West; Behavior: Slow travel	
			12:14:00 PDT	Blow	
			19:14-GMT	Position: 187° / 485 m Dir: West; Behavior: Slow travel • Fluke	
			12:18:00 PDT	Blow	
			19:18-GMT	Position: 228° / 607 m Dir: West; Behavior: Slow travel	
			12:19:00 PDT	Blow	
			19:19-GMT	Position: 238° / 675 m Dir: West; Behavior: Slow travel • Fluke	
			12:22:00 PDT	Blow	Inside /
			19:22-GMT	Position: 255° / 1,019 m Dir: West; Behavior: Slow travel	Outside
	07	Fair - 3	Er Total 3 — 0 Calves at sighting		
			12:04:00 PDT	Blow	
			19:04-GMT	Position: 204° / 1,113 m Dir: West; Behavior: Slow travel	
			12:10:00 PDT	Blow	
			19:10-GMT	Position: 224° / 1,228 m Dir: West; Behavior: Slow travel	
			12:15:00 PDT	Blow	Inside /
			19:15-GMT	Position: 236° / 1,546 m Dir: West; Behavior: Slow travel	Outside
	08	Good - 3	Er Total 2 — 0 Calves at sighting		
			12:06:00 PDT	Blow	
			19:06-GMT	Position: 141° / 2,094 m Dir: West; Behavior: Slow travel	
			12:13:00 PDT	Blow	
			19:13-GMT	Position: 162° / 1,546 m Dir: West; Behavior: Slow travel	
			12:24:00 PDT	Blow	
			19:24-GMT	Position: 193° / 1,778 m Dir: West; Behavior: Slow travel	
			12:30:00 PDT	Blow	Inside /
			19:30-GMT	Position: 214° / 2,094 m Dir: West; Behavior: Slow travel	Outside
	09	Good - 3	Er Total 3 — 0 Calves at sighting		
			12:32:00 PDT	Blow	
			19:32-GMT	Position: 169° / 3,288 m Dir: West; Behavior: Slow travel	
			12:39:00 PDT	Blow	
			19:39-GMT	Position: 174° / 3,288 m Dir: West; Behavior: Slow travel	
			12:43:00 PDT	Blow	
			19:43-GMT	Position: 180° / 3,288 m Dir: West; Behavior: Slow travel	
			12:48:00 PDT	Blow	
			19:48-GMT	Position: 192° / 2,553 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		13:06:00 PDT	Blow	
		20:06-GMT	Position: 222° / 2,553 m Dir: West; Behavior: Slow travel • Breach	
		13:10:00 PDT	Blow	Outside /
		20:10-GMT	Position: 226° / 2,872 m Dir: West; Behavior: Slow travel	Outside
	10	Good - 3	Er Total 5 — 0 Calves at sighting	
		12:47:00 PDT	Blow	
		19:47-GMT	Position: 170° / 1,778 m Dir: West; Behavior: Slow travel	
		12:49:00 PDT	Blow	
		19:49-GMT	Position: 172° / 1,546 m Dir: West; Behavior: Slow travel • Rolling • Fluke	
		12:53:00 PDT	Blow	
		19:53-GMT	Position: 193° / 1,778 m Dir: West; Behavior: Slow travel	
		12:59:00 PDT	Blow	
		19:59-GMT	Position: 218° / 2,094 m Dir: West; Behavior: Slow travel	
		13:05:00 PDT	Blow	Inside /
		20:05-GMT	Position: 236° / 2,553 m Dir: West; Behavior: Slow travel	Outside
	13	Fair - 3	Er Total 2 — 0 Calves at sighting	
		13:56:00 PDT	Blow	
		20:56-GMT	Position: 121° / 1,778 m Dir: West; Behavior: Slow travel	
		14:12:00 PDT	Blow	
		21:12-GMT	Position: 144° / 715 m Dir: West; Behavior: Slow travel	
		14:22:00 PDT	Blow	
		21:22-GMT	Position: 158° / 639 m Dir: West; Behavior: Slow travel	
		14:29:00 PDT	Blow	ND / ND
		21:29-GMT	Position: 192° / 715 m Dir: West; Behavior: Slow travel	
			<i>possible calf but could not see animal in swell</i>	
	14	Good - 3	Er Total 1 — 0 Calves at sighting	
		14:49:00 PDT	Blow	
		21:49-GMT	Position: 148° / 1,369 m Dir: West; Behavior: Slow travel	
		14:59:00 PDT	Blow	
		21:59-GMT	Position: 187° / 1,019 m Dir: West; Behavior: Slow travel	
		15:05:00 PDT	Blow	Inside /
		22:05-GMT	Position: 233° / 1,369 m Dir: West; Behavior: Slow travel	Outside
	16	Good - 3	Er Total 2 — 0 Calves at sighting	
		15:14:00 PDT	Blow	
		22:14-GMT	Position: 115° / 3,288 m Dir: West; Behavior: Slow travel	
		15:25:00 PDT	Blow	
		22:25-GMT	Position: 114° / 2,872 m Dir: West; Behavior: Slow travel	
		15:31:00 PDT	Blow	
		22:31-GMT	Position: 111° / 2,553 m Dir: West; Behavior: Slow travel	
		15:39:00 PDT	Blow	
		22:39-GMT	Position: 124° / 1,778 m Dir: West; Behavior: Slow travel	
		15:45:00 PDT	Blow	
		22:45-GMT	Position: 136° / 1,228 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		15:53:00 PDT	Blow	Inside / ND
		22:53-GMT	Position: 193° / 433 m Dir: West; Behavior: Slow travel	
	18	Good - 3	Er Total 2 — 0 Calves at sighting	
		15:54:00 PDT	ni	
		22:54-GMT	Position: 184° / 505 m Dir: West; Behavior: Slow travel	
		15:56:00 PDT	Blow	
		22:56-GMT	Position: 192° / 607 m Dir: West; Behavior: Slow travel	
		16:02:00 PDT	Blow	
		23:02-GMT	Position: 224° / 607 m Dir: West; Behavior: Slow travel	
		16:03:00 PDT	Blow	
		23:03-GMT	Position: 236° / 871 m Dir: West; Behavior: Slow travel	
		16:10:00 PDT	Blow	Inside /
		23:10-GMT	Position: 247° / 1,294 m Dir: West; Behavior: Slow travel	Outside

Apr 01 Total 15 Calves 0
Day 65 of 105

	10	Fair - 1	Er Total 5 — 0 Calves at sighting	
		10:11:00 PDT	Blow	
		17:11-GMT	Position: 102° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	
		10:21:00 PDT	Blow	
		17:21-GMT	Position: 111° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
		10:28:00 PDT	Blow	
		17:28-GMT	Position: 116° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
		10:30:00 PDT	Blow	
		17:30-GMT	Position: 119° / 2,553 m Dir: West; Behavior: Slow travel	
		10:34:00 PDT	Blow	
		17:34-GMT	Position: 126° / 1,546 m Dir: West; Behavior: Slow travel	
		10:35:00 PDT	Blow	
		17:35-GMT	Position: 128° / 1,369 m Dir: West; Behavior: Slow travel	
		10:36:00 PDT	Blow	
		17:36-GMT	Position: 130° / 1,369 m Dir: West; Behavior: Slow travel	
		10:37:00 PDT	Blow	
		17:37-GMT	Position: 135° / 1,294 m Dir: West; Behavior: Slow travel	
		10:40:00 PDT	Blow	
		17:40-GMT	Position: 148° / 939 m Dir: West; Behavior: Slow travel	
		10:41:00 PDT	Blow	
		17:41-GMT	Position: 156° / 871 m Dir: West; Behavior: Slow travel	
		10:44:00 PDT	Blow	
		17:44-GMT	Position: 179° / 761 m Dir: West; Behavior: Slow travel • Fluke	
		10:47:00 PDT	Blow	
		17:47-GMT	Position: 202° / 639 m Dir: West; Behavior: Slow travel	
		10:48:00 PDT	Blow	
		17:48-GMT	Position: 209° / 639 m Dir: West; Behavior: Slow travel	
		10:52:00 PDT	Body	
		17:52-GMT	Position: 226° / 871 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		10:54:00 PDT	Blow	
		17:54-GMT	Position: 239° / 715 m Dir: West; Behavior: Slow travel	
		<i>all whales at surface - rostrum first buleen - young whale - not calves</i>		
		10:59:00 PDT	Blow	Inside /
		17:59-GMT	Position: 261° / 1,369 m Dir: West; Behavior: Slow travel	Outside
	15	Fair - 1	Er Total 1 — 0 Calves at sighting	
		11:08:00 PDT	Blow	
		18:08-GMT	Position: 114° / 2,094 m Dir: West; Behavior: Slow travel	
		11:13:00 PDT	Blow	
		18:13-GMT	Position: 123° / 1,228 m Dir: West; Behavior: Slow travel	
		11:20:00 PDT	Blow	
		18:20-GMT	Position: 142° / 812 m Dir: West; Behavior: Slow travel	
		11:25:00 PDT	Blow	
		18:25-GMT	Position: 184° / 578 m Dir: West; Behavior: Slow travel	
		11:34:00 PDT	Body	Inside /
		18:34-GMT	Position: 256° / 871 m Dir: West; Behavior: Slow travel	Outside
	18	Fair - 2	Er Total 2 — 0 Calves at sighting	
		11:45:00 PDT	Blow	
		18:45-GMT	Position: 117° / 2,872 m Dir: West; Behavior: Slow travel	
		11:51:00 PDT	Blow	
		18:51-GMT	Position: 122° / 2,872 m Dir: West; Behavior: Slow travel	
		11:52:00 PDT	Blow	
		18:52-GMT	Position: 124° / 2,094 m Dir: West; Behavior: Slow travel	
		11:55:00 PDT	Blow	
		18:55-GMT	Position: 126° / 2,094 m Dir: West; Behavior: Slow travel	
		11:59:00 PDT	Blow	
		18:59-GMT	Position: 129° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
		12:04:00 PDT	Blow	
		19:04-GMT	Position: 151° / 1,228 m Dir: West; Behavior: Slow travel	
		12:09:00 PDT	Body	
		19:09-GMT	Position: 171° / 1,228 m Dir: West; Behavior: Slow travel	
		12:25:00 PDT	Body	Inside /
		19:25-GMT	Position: 244° / 1,369 m Dir: West; Behavior: Slow travel	Outside
	25	Good - 3	Er Total 2 — 0 Calves at sighting	
		13:23:00 PDT	Blow	
		20:23-GMT	Position: 196° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	
		13:27:00 PDT	Blow	
		20:27-GMT	Position: 201° / 3,288 m Dir: West; Behavior: Slow travel	
		13:32:00 PDT	Blow	
		20:32-GMT	Position: 209° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	
		13:35:00 PDT	Blow	
		20:35-GMT	Position: 224° / 3,288 m Dir: West; Behavior: Slow travel	
		13:40:00 PDT	Blow	
		20:40-GMT	Position: 225° / 3,288 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau Time	Blow/Body	Holly/Bouys
	26	Good - 3	Er Total 1 — 0 Calves at sighting	
		13:41:00 PDT	Blow	
		20:41-GMT	Position: 150° / 871 m Dir: West; Behavior: Slow travel	
		13:44:00 PDT	Blow	
		20:44-GMT	Position: 164° / 715 m Dir: West; Behavior: Slow travel	
		13:48:00 PDT	Blow	
		20:48-GMT	Position: 176° / 761 m Dir: West; Behavior: Slow travel	
		13:51:00 PDT	Blow	Inside / ND
		20:51-GMT	Position: 201° / 871 m Dir: West; Behavior: Slow travel	
	34	Good - 3	Er Total 4 — 0 Calves at sighting	
		14:55:00 PDT	ni	
		21:55-GMT	Position: 110° / 3,288 m Dir: West; Behavior: Slow travel	
		15:00:00 PDT	Blow	
		22:00-GMT	Position: 115° / 2,872 m Dir: West; Behavior: Slow travel	
		15:07:00 PDT	Blow	
		22:07-GMT	Position: 123° / 2,553 m Dir: West; Behavior: Slow travel	
		15:10:00 PDT	Blow	
		22:10-GMT	Position: 127° / 2,094 m Dir: West; Behavior: Slow travel	
		15:19:00 PDT	Blow	
		22:19-GMT	Position: 150° / 1,294 m Dir: West; Behavior: Slow travel	
		15:24:00 PDT	Blow	
		22:24-GMT	Position: 171° / 1,019 m Dir: West; Behavior: Slow travel	
		15:31:00 PDT	Blow	
		22:31-GMT	Position: 212° / 1,019 m Dir: West; Behavior: Slow travel	
		15:44:00 PDT	Blow	Inside /
		22:44-GMT	Position: 263° / 1,546 m Dir: West; Behavior: Slow travel	Outside

Apr 02 Total **9** Calves **1**
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	08	Fair - 2	Er Total 1 — 0 Calves at sighting	
		10:28:00 PDT	Blow	ND / ND
		17:28-GMT	Position: 153° / 715 m Dir: West; Behavior: Slow travel	
	11	Fair - 3	Er Total 2 — 1 Calf at sighting	
		11:21:00 PDT	Blow	
		18:21-GMT	Position: 112° / 2,553 m Dir: West; Behavior: Slow travel	
		<i>First calf</i>		
		11:26:00 PDT	Blow	
		18:26-GMT	Position: 114° / 2,094 m Dir: West; Behavior: Slow travel	
		11:36:00 PDT	Blow	
		18:36-GMT	Position: 135° / 871 m Dir: West; Behavior: Slow travel	
		11:42:00 PDT	Body	
		18:42-GMT	Position: 189° / 495 m Dir: West; Behavior: Slow travel • Fluke	
		11:47:00 PDT	Blow	
		18:47-GMT	Position: 236° / 639 m Dir: West; Behavior: Slow travel • Fluke	
		<i>low three beaufort</i>		

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		11:55:00 PDT	Blow	Inside /
		18:55-GMT	Position: 266° / 1,546 m Dir: West; Behavior: Slow travel	Outside
	12	Fair - 3	Er Total 2 — 0 Calves at sighting	
		12:12:00 PDT	Blow	
		19:12-GMT	Position: 112° / 1,369 m Dir: West; Behavior: Slow travel	
		12:15:00 PDT	Blow	
		19:15-GMT	Position: 114° / 1,228 m Dir: West; Behavior: Slow travel	
		12:17:00 PDT	Blow	
		19:17-GMT	Position: 113° / 1,019 m Dir: West; Behavior: Slow travel	
			<i>in kelp</i>	
		12:42:00 PDT	Blow	
		19:42-GMT	Position: 240° / 1,546 m Dir: West; Behavior: Slow travel	
		12:50:00 PDT	Blow	
		19:50-GMT	Position: 258° / 2,553 m Dir: West; Behavior: Slow travel	
		12:55:00 PDT	Blow	Inside /
		19:55-GMT	Position: 266° / 3,288 m Dir: West; Behavior: Slow travel	Outside
	14	Fair - 2	Er Total 1 — 0 Calves at sighting	
		14:06:00 PDT	Blow	
		21:06-GMT	Position: 114° / 1,369 m Dir: West; Behavior: Slow travel	
		14:18:00 PDT	Blow	
		21:18-GMT	Position: 185° / 336 m Dir: West; Behavior: Slow travel	
		14:21:00 PDT	Blow	
		21:21-GMT	Position: 222° / 378 m Dir: West; Behavior: Slow travel	
		14:22:00 PDT	Blow	
		21:22-GMT	Position: 234° / 449 m Dir: West; Behavior: Slow travel	
		14:27:00 PDT	Blow	Inside / ND
		21:27-GMT	Position: 257° / 607 m Dir: West; Behavior: Slow travel	
			<i>was on course to travel through buoys, but did not resurface</i>	
	15	Fair - 2	Er Total 1 — 0 Calves at sighting	
		14:29:00 PDT	Blow	
		21:29-GMT	Position: 114° / 1,369 m Dir: West; Behavior: Slow travel	
		14:42:00 PDT	Blow	
		21:42-GMT	Position: 151° / 505 m Dir: West; Behavior: Slow travel	
		14:46:00 PDT	Blow	
		21:46-GMT	Position: 184° / 356 m Dir: West; Behavior: Slow travel	
		14:51:00 PDT	Blow	
		21:51-GMT	Position: 253° / 527 m Dir: West; Behavior: Slow travel	
		14:55:00 PDT	Blow	Inside /
		21:55-GMT	Position: 271° / 715 m Dir: West; Behavior: Slow travel	Through
	17	Fair - 2	Er Total 2 — 0 Calves at sighting	
		15:44:00 PDT	Blow	
		22:44-GMT	Position: 121° / 1,228 m Dir: West; Behavior: Slow travel	
		15:52:00 PDT	Body	
		22:52-GMT	Position: 156° / 449 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		15:56:00 PDT	Blow	
		22:56-GMT	Position: 214° / 367 m Dir: West; Behavior: Slow travel	
		15:59:00 PDT	Blow	
		22:59-GMT	Position: 247° / 505 m Dir: West; Behavior: Slow travel	
		16:03:00 PDT	Blow	
		23:03-GMT	Position: 274° / 812 m Dir: West; Behavior: Slow travel	
		<i>Low light / poor contrast all around</i>		
		16:05:00 PDT	Blow	Inside /
		23:05-GMT	Position: 279° / 1,113 m Dir: West; Behavior: Slow travel • Fluke	Through

Apr 03 Total 11 Calves 0
Day 67 of 105

01	Fair - 2	<i>Er Total 4 — 0 Calves at sighting</i>		
		8:56:00 PDT	Body	
		15:56-GMT	Position: 192° / 2,094 m Dir: West; Behavior: Slow travel	
		9:04:00 PDT	ni	
		16:04-GMT	Position: 235° / 1,113 m Dir: West; Behavior: Slow travel • Fluke	
		9:11:00 PDT	Body	
		16:11-GMT	Position: 254° / 1,228 m Dir: West; Behavior: Slow travel • Breach • Rolling	
		9:13:00 PDT	ni	Inside /
		16:13-GMT	Position: 264° / 1,369 m Dir: West; Behavior: Slow travel • Fluke	Outside

10	Excellent -	<i>Er Total 2 — 0 Calves at sighting</i>		
		9:51:00 PDT	Blow	
		16:51-GMT	Position: 105° / 2,553 m Dir: West; Behavior: Slow travel	
		<i>Slight haze but good contrast and back lit blows in target E and SE</i>		
		9:55:00 PDT	Blow	
		16:55-GMT	Position: 109° / 2,094 m Dir: West; Behavior: Slow travel	
		10:00:00 PDT	Blow	
		17:00-GMT	Position: 112° / 1,778 m Dir: West; Behavior: Slow travel	
		10:08:00 PDT	Blow	
		17:08-GMT	Position: 135° / 761 m Dir: West; Behavior: Slow travel • Fluke	
		10:14:00 PDT	Blow	
		17:14-GMT	Position: 203° / 607 m Dir: West; Behavior: Slow travel • Fluke	
		10:17:00 PDT	Blow	
		17:17-GMT	Position: 240° / 675 m Dir: West; Behavior: Slow travel	
		10:21:00 PDT	Blow	
		17:21-GMT	Position: 254° / 1,113 m Dir: West; Behavior: Breach	
		10:28:00 PDT	Blow	Inside /
		17:28-GMT	Position: 269° / 2,094 m Dir: West; Behavior: Slow travel • Rolling	Outside
		<i>Lunge at 0952</i>		

13	Excellent -	<i>Er Total 2 — 0 Calves at sighting</i>		
		10:45:00 PDT	Blow	
		17:45-GMT	Position: 140° / 871 m Dir: West; Behavior: Slow travel	
		<i>Maybe calf - likely yearling</i>		

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		10:49:00 PDT	Blow	
		17:49-GMT	Position: 175° / 607 m Dir: West; Behavior: not indicated	
		10:52:00 PDT	Blow	
		17:52-GMT	Position: 191° / 607 m Dir: West; Behavior: Slow travel	
		10:59:00 PDT	Body	Inside /
		17:59-GMT	Position: 258° / 871 m Dir: West; Behavior: Slow travel	Outside
	17	Excellent - Er Total 1 — 0 Calves at sighting		
		12:12:00 PDT	Blow	
		19:12-GMT	Position: 146° / 551 m Dir: West; Behavior: Slow travel	
		12:15:00 PDT	Blow	
		19:15-GMT	Position: 176° / 485 m Dir: West; Behavior: Slow travel	
		12:19:00 PDT	Body	Inside / ND
		19:19-GMT	Position: 238° / 578 m Dir: West; Behavior: Slow travel	
	25	Good - 2 Er Total 1 — 0 Calves at sighting		
		14:56:00 PDT	Blow	
		21:56-GMT	Position: 131° / 2,553 m Dir: West; Behavior: Slow travel	
		15:04:00 PDT	Blow	
		22:04-GMT	Position: 140° / 2,553 m Dir: West; Behavior: Slow travel	
		15:10:00 PDT	Blow	
		22:10-GMT	Position: 152° / 1,778 m Dir: West; Behavior: Slow travel	
		15:14:00 PDT	Blow	
		22:14-GMT	Position: 170° / 1,778 m Dir: West; Behavior: Slow travel	
		15:18:00 PDT	Blow	
		22:18-GMT	Position: 176° / 2,553 m Dir: West; Behavior: Slow travel	
		15:19:00 PDT	Blow	
		22:19-GMT	Position: 189° / 1,369 m Dir: West; Behavior: Slow travel	
		15:27:00 PDT	Blow	
		22:27-GMT	Position: 221° / 1,778 m Dir: West; Behavior: Slow travel	
		15:31:00 PDT	Blow	Inside /
		22:31-GMT	Position: 237° / 1,778 m Dir: West; Behavior: Slow travel	Outside
	29	Good - 2 Er Total 1 — 0 Calves at sighting		
		15:41:00 PDT	Blow	
		22:41-GMT	Position: 109° / 1,369 m Dir: West; Behavior: not indicated	
		15:43:00 PDT	Blow	
		22:43-GMT	Position: 110° / 1,113 m Dir: West; Behavior: Slow travel	
		15:48:00 PDT	Blow	
		22:48-GMT	Position: 113° / 2,553 m Dir: West; Behavior: Slow travel	
		15:51:00 PDT	Blow	
		22:51-GMT	Position: 124° / 505 m Dir: West; Behavior: Slow travel	
		15:53:00 PDT	Blow	
		22:53-GMT	Position: 129° / 449 m Dir: West; Behavior: Slow travel	
		<i>Close to shore</i>		
		15:57:00 PDT	Blow	
		22:57-GMT	Position: 175° / 257 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		16:02:00 PDT	Blow	
		23:02-GMT	Position: 254° / 485 m Dir: West; Behavior: Slow travel	
		16:03:00 PDT	Blow	
		23:03-GMT	Position: 263° / 607 m Dir: West; Behavior: Slow travel • Fluke	
		16:10:00 PDT	Blow	Inside /
		23:10-GMT	Position: 278° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	Through

Apr 04 Total 5 Calves 1
Day 68 of 105

05 Poor - 1 Er Total 2 — 1 Calf at sighting

11:23:00 PDT	Body	
18:23-GMT	Position: 201° / 485 m Dir: West; Behavior: not indicated	
<i>Very slow - quiet - good look at calf head/blowhole through buoys - almost "sleeping" - very few blows from either whale - originally saw disturbance in water in front of Point</i>		
11:25:00 PDT	Body	
18:25-GMT	Position: 235° / 505 m Dir: West; Behavior: not indicated	
11:28:00 PDT	Body	
18:28-GMT	Position: 257° / 675 m Dir: West; Behavior: not indicated	
11:30:00 PDT	Body	
18:30-GMT	Position: 268° / 761 m Dir: West; Behavior: not indicated	
11:34:00 PDT	Body	Inside /
18:34-GMT	Position: 280° / 1,019 m Dir: West; Behavior: not indicated	Through

13 Poor - 1 Er Total 1 — 0 Calves at sighting

14:00:00 PDT	Body	
21:00-GMT	Position: 171° / 466 m Dir: West; Behavior: Slow travel	
14:03:00 PDT	Body	
21:03-GMT	Position: 214° / 607 m Dir: West; Behavior: Slow travel • Fluke	
14:09:00 PDT	Blow	Inside /
21:09-GMT	Position: 269° / 812 m Dir: West; Behavior: Slow travel	Through

22 Poor - 2 Er Total 1 — 0 Calves at sighting

16:21:00 PDT	Blow	
23:21-GMT	Position: 108° / 1,019 m Dir: West; Behavior: Slow travel	
16:26:00 PDT	Blow	
23:26-GMT	Position: 113° / 527 m Dir: West; Behavior: Slow travel	
16:29:00 PDT	Blow	
23:29-GMT	Position: 132° / 310 m Dir: West; Behavior: Slow travel	
16:31:00 PDT	Blow	
23:31-GMT	Position: 179° / 232 m Dir: West; Behavior: Slow travel	
16:35:00 PDT	Blow	
23:35-GMT	Position: 256° / 242 m Dir: West; Behavior: Slow travel	
<i>Dolphins trail behind near the whale and pass it</i>		
16:37:00 PDT	Blow	
23:37-GMT	Position: 269° / 295 m Dir: West; Behavior: Slow travel	
16:39:00 PDT	Blow	
23:39-GMT	Position: 283° / 404 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		16:43:00 PDT	Blow	Inside / Inside
		23:43-GMT	Position: 293° / 761 m Dir: West; Behavior: Slow travel	
	24	Poor - 2	Er Total 1 — 0 Calves at sighting	
		16:52:00 PDT	Blow	ND / ND
		23:52-GMT	Position: 136° / 495 m Dir: West; Behavior: Slow travel	
			<i>Got good look at whale blow hole</i>	
			<i>First "saw" whale disturbance in water</i>	
<hr/>				
Apr 05	Total 9	Calves 1		
		Day 69 of 105		
	13	Fair - 3	Er Total 3 — 1 Calf at sighting	
		11:15:00 PDT	Blow	
		18:15-GMT	Position: 106° / 2,553 m Dir: West; Behavior: Slow travel	
			<i>Calf - juvenile - mom</i>	
			<i>Not sure of calf position to cow</i>	
			<i>Barge between buoys - did not see where whales traveled RE/buoys -</i>	
			<i>Got looks at calf blow between other whales, spyhop, and good look in score along back</i>	
		11:19:00 PDT	Blow	
		18:19-GMT	Position: 114° / 1,778 m Dir: West; Behavior: Slow travel	
		11:25:00 PDT	Blow	
		18:25-GMT	Position: 116° / 1,369 m Dir: West; Behavior: Slow travel	
		11:29:00 PDT	Blow	
		18:29-GMT	Position: 118° / 1,228 m Dir: West; Behavior: Slow travel	
		11:34:00 PDT	Blow	
		18:34-GMT	Position: 125° / 715 m Dir: West; Behavior: Slow travel	
		11:38:00 PDT	Blow	
		18:38-GMT	Position: 156° / 433 m Dir: West; Behavior: Slow travel	
		11:40:00 PDT	Blow	
		18:40-GMT	Position: 186° / 418 m Dir: West; Behavior: Slow travel	
		11:42:00 PDT	Blow	
		18:42-GMT	Position: 207° / 356 m Dir: West; Behavior: Slow travel	
		11:48:00 PDT	Blow	
		18:48-GMT	Position: 241° / 433 m Dir: West; Behavior: Slow travel	
		11:51:00 PDT	Blow	Inside / ND
		18:51-GMT	Position: 255° / 578 m Dir: West; Behavior: not indicated	
			<i>Barge between buoys</i>	
	19	Fair - 2	Er Total 1 — 0 Calves at sighting	
		13:19:00 PDT	Body	
		20:19-GMT	Position: 157° / 551 m Dir: West; Behavior: Slow travel	
		13:25:00 PDT	Blow	
		20:25-GMT	Position: 222° / 715 m Dir: West; Behavior: Slow travel	
		13:27:00 PDT	Blow	
		20:27-GMT	Position: 246° / 551 m Dir: West; Behavior: Slow travel	
		13:32:00 PDT	Blow	
		20:32-GMT	Position: 283° / 607 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		13:37:00 PDT	Blow	Inside / Inside
		20:37-GMT	Position: 294° / 1,228 m Dir: West; Behavior: Slow travel	
	24	Fair - 2	Er Total 3 — 0 Calves at sighting	
		14:21:00 PDT	Blow	
		21:21-GMT	Position: 136° / 2,872 m Dir: West; Behavior: Slow travel	
		14:29:00 PDT	Blow	
		21:29-GMT	Position: 144° / 2,872 m Dir: West; Behavior: Slow travel	
		14:34:00 PDT	Blow	
		21:34-GMT	Position: 150° / 2,872 m Dir: West; Behavior: Slow travel	
		14:40:00 PDT	Blow	
		21:40-GMT	Position: 163° / 2,553 m Dir: West; Behavior: Slow travel	
		14:45:00 PDT	Blow	
		21:45-GMT	Position: 180° / 2,553 m Dir: West; Behavior: not indicated	
		14:48:00 PDT	Blow	
		21:48-GMT	Position: 183° / 2,094 m Dir: West; Behavior: Slow travel	
		14:50:00 PDT	Blow	
		21:50-GMT	Position: 193° / 1,778 m Dir: West; Behavior: Slow travel	
		14:52:00 PDT	Blow	
		21:52-GMT	Position: 200° / 1,778 m Dir: West; Behavior: Slow travel	
		14:54:00 PDT	Blow	
		21:54-GMT	Position: 205° / 1,778 m Dir: West; Behavior: Slow travel	
		15:03:00 PDT	Blow	
		22:03-GMT	Position: 233° / 2,094 m Dir: West; Behavior: Slow travel	
		15:20:00 PDT	Blow	
		22:20-GMT	Position: 259° / 3,288 m Dir: West; Behavior: Slow travel	
		15:23:00 PDT	Blow	Inside /
		22:23-GMT	Position: 261° / 3,288 m Dir: West; Behavior: Slow travel	Outside
	31	Good - 2	Er Total 2 — 0 Calves at sighting	
		15:13:00 PDT	Blow	ND / ND
		22:13-GMT	Position: 244° / 1,019 m Dir: West; Behavior: Slow travel	
		<i>Saw once - past Point</i>		

Apr 06 Total 12 Calves 1
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08	Poor - 2	Er Total 2 — 0 Calves at sighting	
		9:44:00 PDT	Blow
		16:44-GMT	Position: 140° / 3,288 m Dir: West; Behavior: Slow travel
		9:52:00 PDT	Blow
		16:52-GMT	Position: 143° / 3,288 m Dir: West; Behavior: Slow travel
		9:59:00 PDT	Blow
		16:59-GMT	Position: 146° / 2,553 m Dir: West; Behavior: Slow travel • Fluke
		10:14:00 PDT	Blow
		17:14-GMT	Position: 162° / 2,872 m Dir: West; Behavior: Fluke

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Bouys
			10:28:00 PDT	Blow	
			17:28-GMT	Position: 200° / 1,778 m Dir: West; Behavior: Slow travel	
			<i>Small tug (#11) headed toward whales</i>		
			10:30:00 PDT	Blow	
			17:30-GMT	Position: 206° / 1,778 m Dir: West; Behavior: Slow travel	
			10:39:00 PDT	Blow	NI / NI
			17:39-GMT	Position: 237° / 2,094 m Dir: West; Behavior: Slow travel	
	12	Poor - 2	Er Total 2 — 0 Calves at sighting		
			11:03:00 PDT	Blow	
			18:03-GMT	Position: 192° / 3,288 m Dir: West; Behavior: Fluke	
			11:12:00 PDT	Blow	
			18:12-GMT	Position: 219° / 2,553 m Dir: West; Behavior: Fluke	
			11:21:00 PDT	Blow	Inside /
			18:21-GMT	Position: 241° / 2,553 m Dir: West; Behavior: Fluke	Outside
	16	Fair - 2	Er Total 3 — 0 Calves at sighting		
			13:10:00 PDT	Blow	
			20:10-GMT	Position: 111° / 1,369 m Dir: West; Behavior: Slow travel	
			13:12:00 PDT	Blow	
			20:12-GMT	Position: 114° / 1,228 m Dir: West; Behavior: Slow travel	
			13:15:00 PDT	Blow	
			20:15-GMT	Position: 122° / 1,019 m Dir: West; Behavior: Slow travel • Fluke	
			13:19:00 PDT	Blow	
			20:19-GMT	Position: 144° / 715 m Dir: West; Behavior: Slow travel	
			13:22:00 PDT	Blow	
			20:22-GMT	Position: 176° / 449 m Dir: West; Behavior: Slow travel	
			13:24:00 PDT	Blow	
			20:24-GMT	Position: 202° / 418 m Dir: West; Behavior: Slow travel	
			13:26:00 PDT	Blow	
			20:26-GMT	Position: 217° / 607 m Dir: West; Behavior: Slow travel • Fluke	
			13:28:00 PDT	Blow	
			20:28-GMT	Position: 221° / 527 m Dir: West; Behavior: Slow travel	
			13:32:00 PDT	Blow	
			20:32-GMT	Position: 263° / 715 m Dir: West; Behavior: Slow travel	
			13:33:00 PDT	Blow	
			20:33-GMT	Position: 270° / 812 m Dir: West; Behavior: Slow travel • Fluke	
			<i>Went through buoys</i>		
			13:36:00 PDT	Blow	Inside /
			20:36-GMT	Position: 284° / 939 m Dir: West; Behavior: Slow travel	Through

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time		Blow/Body	Holly/Bouys	
	22	Fair - 3	Er Total 2 — 1 Calf at sighting				
			14:32:00 PDT		Blow		
			21:32-GMT		Position: 158° / 378 m Dir: West; Behavior: Slow travel		
			<i>Supervisors: 21, 47, 27, 33</i>				
			<i>More than one animal was determined because "just strong suspicion"</i>				
			<i>They turned right along beach</i>				
			<i>Calf Body-Parts Observed: Head, Blowhole, Back, Flipper at Sands (None until observer Cole Paris went to overlook of Sands)</i>				
			<i>Appeared in front of us - very close - Inside buoys, turned right along Sands/Ellwood - Cole Paris went to overlook and observed both cow and calf spyhop - breach - rolling</i>				
			14:33:00 PDT		Blow		
			21:33-GMT		Position: 174° / 288 m Dir: West; Behavior: Slow travel		
			14:43:00 PDT		Blow	Inside / Inside	
			21:43-GMT		Position: 289° / 715 m Dir: West; Behavior: Slow travel		
	25	Good - 2	Er Total 3 — 0 Calves at sighting				
			15:50:00 PDT		Blow		
			22:50-GMT		Position: 221° / 2,553 m Dir: West; Behavior: Slow travel		
			15:53:00 PDT		Blow		
			22:53-GMT		Position: 232° / 2,553 m Dir: West; Behavior: Slow travel		
			15:54:00 PDT		Blow		
			22:54-GMT		Position: 235° / 2,553 m Dir: West; Behavior: Slow travel • Rolling		
			16:01:00 PDT		Blow	Outside /	
			23:01-GMT		Position: 246° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	Outside	

Apr 07 Total 14 Calves 2
Day 71 of 105

	01	Good - 2	Er Total 2 — 1 Calf at sighting				
			8:47:00 PDT		Blow		
			15:47-GMT		Position: 120° / 1,228 m Dir: West; Behavior: Slow travel		
			<i>good looks - calf bobbing in front - at first on outside, then inside</i>				
			8:52:00 PDT		Blow		
			15:52-GMT		Position: 137° / 715 m Dir: West; Behavior: Slow travel		
			8:56:00 PDT		Blow		
			15:56-GMT		Position: 150° / 418 m Dir: West; Behavior: Slow travel		
			8:58:00 PDT		Body		
			15:58-GMT		Position: 175° / 356 m Dir: West; Behavior: Slow travel		
			9:00:00 PDT		Body		
			16:00-GMT		Position: 215° / 310 m Dir: West; Behavior: Slow travel		
			9:05:00 PDT		Blow		
			16:05-GMT		Position: 257° / 485 m Dir: West; Behavior: Slow travel		
			9:06:00 PDT		Blow		
			16:06-GMT		Position: 263° / 527 m Dir: West; Behavior: Slow travel		
			9:10:00 PDT		Blow	Inside / Inside	
			16:10-GMT		Position: 284° / 871 m Dir: West; Behavior: Slow travel		
	05	Good - 2	Er Total 2 — 0 Calves at sighting				
			10:07:00 PDT		Blow		
			17:07-GMT		Position: 124° / 715 m Dir: West; Behavior: Slow travel		

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		10:08:00 PDT	Body	
		17:08-GMT	Position: 132° / 715 m Dir: West; Behavior: Slow travel • Breach <i>2 breaches at 2nd position</i>	
		10:10:00 PDT	Blow	
		17:10-GMT	Position: 151° / 505 m Dir: West; Behavior: Slow travel	
		10:11:00 PDT	Blow	
		17:11-GMT	Position: 154° / 449 m Dir: West; Behavior: Slow travel	
		10:12:00 PDT	Blow	
		17:12-GMT	Position: 183° / 418 m Dir: West; Behavior: Slow travel	
		10:14:00 PDT	Blow	
		17:14-GMT	Position: 202° / 433 m Dir: West; Behavior: Slow travel	
		10:15:00 PDT	Blow	
		17:15-GMT	Position: 223° / 433 m Dir: West; Behavior: Slow travel • Fluke	
		10:21:00 PDT	Blow	
		17:21-GMT	Position: 266° / 761 m Dir: West; Behavior: Slow travel	
		10:24:00 PDT	Blow	
		17:24-GMT	Position: 273° / 1,113 m Dir: West; Behavior: Slow travel	
		10:26:00 PDT	Blow	Inside /
		17:26-GMT	Position: 278° / 1,369 m Dir: West; Behavior: Slow travel	Through
	06	Fair - 2	Er Total 1 — 0 Calves at sighting	
		11:26:00 PDT	Blow	
		18:26-GMT	Position: 109° / 2,872 m Dir: West; Behavior: Slow travel	
		11:32:00 PDT	Blow	
		18:32-GMT	Position: 117° / 2,094 m Dir: West; Behavior: Slow travel	
		11:35:00 PDT	Blow	
		18:35-GMT	Position: 119° / 2,094 m Dir: West; Behavior: Slow travel	
		11:39:00 PDT	Blow	
		18:39-GMT	Position: 137° / 1,546 m Dir: West; Behavior: Slow travel • Fluke	
		11:47:00 PDT	Blow	
		18:47-GMT	Position: 185° / 675 m Dir: West; Behavior: Slow travel	
		11:53:00 PDT	Blow	
		18:53-GMT	Position: 236° / 715 m Dir: West; Behavior: Slow travel	
		11:55:00 PDT	Blow	NI / NI
		18:55-GMT	Position: 249° / 1,019 m Dir: West; Behavior: Slow travel	
	07	Fair - 2	Er Total 2 — 0 Calves at sighting	
		12:15:00 PDT	Blow	
		19:15-GMT	Position: 151° / 318 m Dir: West; Behavior: Slow travel <i>good looks at mom(?) - appeared in front - several blows - saw calf(?) blow from oceanside of large whale - disappeared in front of buoys - never saw small animal</i>	
		12:16:00 PDT	ni	
		19:16-GMT	Position: 169° / 318 m Dir: West; Behavior: Slow travel	
		12:18:00 PDT	Blow	
		19:18-GMT	Position: 218° / 275 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting	Quality - Beau	Blow/Body	Holly/Bouys
	Number	Time		
		12:20:00 PDT	Blow	Inside / ND
		19:20-GMT	Position: 255° / 449 m Dir: West; Behavior: Slow travel	
			<i>disappeared before buoys</i>	
	10	Good - 2	Er Total 1 — 0 Calves at sighting	
		13:16:00 PDT	Blow	
		20:16-GMT	Position: 211° / 2,553 m Dir: West; Behavior: Slow travel	
		13:24:00 PDT	Blow	Outside /
		20:24-GMT	Position: 224° / 2,553 m Dir: West; Behavior: Slow travel	Outside
	12	Good - 2	Er Total 1 — 0 Calves at sighting	
		14:00:00 PDT	Blow	
		21:00-GMT	Position: 144° / 715 m Dir: West; Behavior: Slow travel	
		14:05:00 PDT	Blow	
		21:05-GMT	Position: 189° / 505 m Dir: West; Behavior: Slow travel	
		14:13:00 PDT	Blow	Inside / ND
		21:13-GMT	Position: 255° / 527 m Dir: West; Behavior: Slow travel	
			<i>disappeared before buoys</i>	
	13	Good - 3	Er Total 1 — 0 Calves at sighting	
		14:35:00 PDT	Blow	
		21:35-GMT	Position: 147° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
		14:38:00 PDT	Blow	
		21:38-GMT	Position: 149° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
		14:43:00 PDT	Blow	
		21:43-GMT	Position: 164° / 1,369 m Dir: West; Behavior: Slow travel	
		14:48:00 PDT	Blow	
		21:48-GMT	Position: 189° / 1,228 m Dir: West; Behavior: Slow travel	
		14:57:00 PDT	Blow	
		21:57-GMT	Position: 231° / 1,546 m Dir: West; Behavior: Slow travel	
		15:09:00 PDT	Blow	
		22:09-GMT	Position: 260° / 3,288 m Dir: West; Behavior: Slow travel	
		15:14:00 PDT	Blow	Inside /
		22:14-GMT	Position: 264° / 3,288 m Dir: West; Behavior: Slow travel	Outside
	14	Good - 3	Er Total 2 — 1 Calf at sighting	
		14:48:00 PDT	Blow	
		21:48-GMT	Position: 159° / 336 m Dir: West; Behavior: Slow travel	
			<i>mother's blow 1st, close in relatively shallow water, calf stayed mostly inside of mother, lost before they hit buoys</i>	
		14:53:00 PDT	Blow	
		21:53-GMT	Position: 197° / 310 m Dir: West; Behavior: Slow travel	
		14:58:00 PDT	Blow	
		21:58-GMT	Position: 203° / 302 m Dir: West; Behavior: Slow travel	
		15:02:00 PDT	Blow	
		22:02-GMT	Position: 234° / 449 m Dir: West; Behavior: Slow travel	
		15:05:00 PDT	Blow	Inside / ND
		22:05-GMT	Position: 260° / 639 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Bouys
	17	Fair - 4	Er Total 2 — 0 Calves at sighting		
			16:43:00 PDT	Blow	
			23:43-GMT	Position: 155° / 607 m Dir: West; Behavior: Slow travel	
			16:49:00 PDT	Blow	
			23:49-GMT	Position: 219° / 378 m Dir: West; Behavior: Slow travel	
			16:57:00 PDT	Blow	Inside /
			23:57-GMT	Position: 274° / 715 m Dir: West; Behavior: Slow travel	Through
			<i>lost in glare - chop - swell</i>		
<hr/>					
Apr 08	Total 6	Calves 0			
Day 72 of 105					
	11	Fair - 3	Er Total 3 — 0 Calves at sighting		
			11:07:00 PDT	Blow	
			18:07-GMT	Position: 148° / 2,094 m Dir: West; Behavior: Slow travel	
			11:10:00 PDT	Blow	
			18:10-GMT	Position: 157° / 1,294 m Dir: West; Behavior: Slow travel	
			11:14:00 PDT	Blow	
			18:14-GMT	Position: 180° / 1,228 m Dir: West; Behavior: Slow travel	
			11:17:00 PDT	Blow	
			18:17-GMT	Position: 199° / 1,228 m Dir: West; Behavior: Slow travel	
			11:26:00 PDT	Blow	Inside /
			18:26-GMT	Position: 236° / 1,546 m Dir: West; Behavior: Slow travel	Outside
	16	Fair - 4	Er Total 3 — 0 Calves at sighting		
			12:45:00 PDT	Blow	
			19:45-GMT	Position: 105° / 2,553 m Dir: West; Behavior: Slow travel	
			12:50:00 PDT	Body	
			19:50-GMT	Position: 105° / 2,553 m Dir: West; Behavior: Slow travel • Breach	
			12:54:00 PDT	Blow	
			19:54-GMT	Position: 107° / 2,553 m Dir: West; Behavior: Slow travel	
			12:59:00 PDT	Blow	
			19:59-GMT	Position: 110° / 2,094 m Dir: West; Behavior: Slow travel	
			13:06:00 PDT	Blow	
			20:06-GMT	Position: 117° / 1,369 m Dir: West; Behavior: Slow travel	
			13:09:00 PDT	Blow	
			20:09-GMT	Position: 122° / 1,019 m Dir: West; Behavior: Slow travel	
			13:12:00 PDT	Blow	
			20:12-GMT	Position: 134° / 715 m Dir: West; Behavior: Slow travel	
			13:19:00 PDT	Blow	
			20:19-GMT	Position: 221° / 551 m Dir: West; Behavior: Slow travel	
			13:23:00 PDT	Blow	Inside / ND
			20:23-GMT	Position: 259° / 761 m Dir: West; Behavior: Slow travel	
<hr/>					
Apr 10	Total 5	Calves 2			
Day 74 of 105					

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Bouys
	07	Fair - 0	Er Total 2 — 1 Calf at sighting		
			9:06:00 PDT	Blow	
			16:06-GMT	Position: 115° / 1,369 m Dir: West; Behavior: Slow travel	
			<i>Calf had no barnacles but had black and white speckles on head; noticed a difference in blow sizes early on, but became uncertain as they passed by the point; confirmed calf as they went through the buoys by noting the lack of barnacles and rostrum - first surface</i>		
			9:13:00 PDT	Blow	
			16:13-GMT	Position: 128° / 761 m Dir: West; Behavior: Slow travel	
			9:15:00 PDT	Body	
			16:15-GMT	Position: 137° / 607 m Dir: West; Behavior: Slow travel	
			9:19:00 PDT	Blow	
			16:19-GMT	Position: 168° / 505 m Dir: West; Behavior: Slow travel	
			9:23:00 PDT	Blow	
			16:23-GMT	Position: 215° / 418 m Dir: West; Behavior: Slow travel	
			9:25:00 PDT	Blow	
			16:25-GMT	Position: 234° / 466 m Dir: West; Behavior: Slow travel	
			9:27:00 PDT	Blow	
			16:27-GMT	Position: 255° / 675 m Dir: West; Behavior: Slow travel	
			9:29:00 PDT	Blow	
			16:29-GMT	Position: 262° / 675 m Dir: West; Behavior: Slow travel	
			9:32:00 PDT	Blow	
			16:32-GMT	Position: 270° / 1,019 m Dir: West; Behavior: Slow travel	
			9:36:00 PDT	Blow	Inside /
			16:36-GMT	Position: 270° / 1,546 m Dir: West; Behavior: Slow travel	Through
	08	Fair - 0	Er Total 2 — 1 Calf at sighting		
			9:40:00 PDT	Blow	
			16:40-GMT	Position: 112° / 1,228 m Dir: West; Behavior: Slow travel	
			<i>IDed the calf early on due to its blow hole</i>		
			9:46:00 PDT	Blow	
			16:46-GMT	Position: 123° / 675 m Dir: West; Behavior: Slow travel	
			9:49:00 PDT	Blow	
			16:49-GMT	Position: 141° / 449 m Dir: West; Behavior: Slow travel	
			9:54:00 PDT	Blow	
			16:54-GMT	Position: 198° / 318 m Dir: West; Behavior: Slow travel	
			9:56:00 PDT	Blow	
			16:56-GMT	Position: 240° / 390 m Dir: West; Behavior: Slow travel	
			<i>@ 226 / 2.9 surface just east of an otter</i>		
			10:06:00 PDT	Blow	Inside / Inside
			17:06-GMT	Position: 280° / 871 m Dir: West; Behavior: Slow travel	
	23	Fair - 0	Er Total 1 — 0 Calves at sighting		
			14:45:00 PDT	Blow	
			21:45-GMT	Position: 152° / 4,712 m Dir: West; Behavior: Slow travel	
			14:52:00 PDT	Blow	
			21:52-GMT	Position: 184° / 607 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Bouys
			14:54:00 PDT	Blow	
			21:54-GMT	Position: 202° / 578 m Dir: West; Behavior: Slow travel	
			14:58:00 PDT	Blow	
			21:58-GMT	Position: 235° / 675 m Dir: West; Behavior: Slow travel	
			15:06:00 PDT	Blow	Inside /
			22:06-GMT	Position: 263° / 1,546 m Dir: West; Behavior: Slow travel	Outside
				<i>possible vessel and dolphin interaction. Dolphins surrounding whale.</i>	

Apr 11 Total **9** Calves **0**
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06	Fair - 0	Er Total 1 — 0 Calves at sighting			
			9:05:00 PDT	Blow	
			16:05-GMT	Position: 136° / 1,228 m Dir: West; Behavior: Slow travel • Fluke	
			9:08:00 PDT	Blow	
			16:08-GMT	Position: 142° / 1,228 m Dir: West; Behavior: Slow travel	
			9:15:00 PDT	Blow	
			16:15-GMT	Position: 176° / 812 m Dir: West; Behavior: Slow travel • Fluke	
			9:24:00 PDT	Blow	Inside / ND
			16:24-GMT	Position: 239° / 812 m Dir: West; Behavior: Slow travel	
12	Fair - 0	Er Total 1 — 0 Calves at sighting			
			9:49:00 PDT	Blow	
			16:49-GMT	Position: 130° / 2,553 m Dir: West; Behavior: Slow travel	
			9:57:00 PDT	Blow	
			16:57-GMT	Position: 138° / 2,553 m Dir: West; Behavior: Slow travel	
			10:03:00 PDT	Blow	
			17:03-GMT	Position: 145° / 2,553 m Dir: West; Behavior: Slow travel	
			10:11:00 PDT	Blow	
			17:11-GMT	Position: 160° / 1,778 m Dir: West; Behavior: Slow travel	
			10:20:00 PDT	Body	
			17:20-GMT	Position: 188° / 1,228 m Dir: West; Behavior: Slow travel	
			10:27:00 PDT	Blow	
			17:27-GMT	Position: 220° / 1,778 m Dir: West; Behavior: Slow travel	
			10:36:00 PDT	Blow	Inside /
			17:36-GMT	Position: 243° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	Outside
14	Fair - 0	Er Total 1 — 0 Calves at sighting			
			10:39:00 PDT	Blow	
			17:39-GMT	Position: 118° / 2,872 m Dir: West; Behavior: Slow travel	
			10:46:00 PDT	Blow	
			17:46-GMT	Position: 123° / 2,553 m Dir: West; Behavior: Slow travel	
			10:49:00 PDT	Blow	
			17:49-GMT	Position: 126° / 2,553 m Dir: West; Behavior: Slow travel	
			10:59:00 PDT	Blow	ND / ND
			17:59-GMT	Position: 132° / 2,094 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Bouys
	16	Fair - 0	Er Total 2 — 0 Calves at sighting		
			11:42:00 PDT	Blow	
			18:42-GMT	Position: 132° / 2,553 m Dir: West; Behavior: Slow travel	
			11:52:00 PDT	Blow	
			18:52-GMT	Position: 148° / 2,094 m Dir: West; Behavior: Slow travel	
			12:03:00 PDT	Blow	
			19:03-GMT	Position: 183° / 1,546 m Dir: West; Behavior: Slow travel	
			12:07:00 PDT	Blow	
			19:07-GMT	Position: 202° / 1,546 m Dir: West; Behavior: Slow travel	
			12:24:00 PDT	Blow	Inside /
			19:24-GMT	Position: 250° / 2,553 m Dir: West; Behavior: Slow travel	Outside
	20	Fair - 1	Er Total 3 — 0 Calves at sighting		
			13:48:00 PDT	Blow	
			20:48-GMT	Position: 234° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
			13:56:00 PDT	Blow	Inside /
			20:56-GMT	Position: 245° / 2,553 m Dir: West; Behavior: Slow travel	Outside
			<i>did not see before Holly</i>		
	21	Good - 1	Er Total 1 — 0 Calves at sighting		
			16:29:00 PDT	Blow	
			23:29-GMT	Position: 104° / 2,094 m Dir: West; Behavior: Slow travel	
			16:33:00 PDT	Blow	
			23:33-GMT	Position: 108° / 1,778 m Dir: West; Behavior: Slow travel	
			16:37:00 PDT	Blow	
			23:37-GMT	Position: 110° / 1,546 m Dir: West; Behavior: Slow travel	
			16:43:00 PDT	Blow	
			23:43-GMT	Position: 122° / 675 m Dir: West; Behavior: Slow travel	
			16:48:00 PDT	Blow	
			23:48-GMT	Position: 164° / 275 m Dir: West; Behavior: Slow travel	
			16:49:00 PDT	Blow	
			23:49-GMT	Position: 209° / 269 m Dir: West; Behavior: Slow travel	
			16:51:00 PDT	Blow	
			23:51-GMT	Position: 243° / 275 m Dir: West; Behavior: Slow travel	
			16:52:00 PDT	Blow	
			23:52-GMT	Position: 260° / 336 m Dir: West; Behavior: Slow travel	
			16:54:00 PDT	Blow	Inside / Inside
			23:54-GMT	Position: 278° / 639 m Dir: West; Behavior: Slow travel	
			<i>skinny whale - ribs</i>		

Apr 12 Total 3 Calves 0
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	12	Fair - 0	Er Total 1 — 0 Calves at sighting		
			10:43:00 PDT	Body	
			17:43-GMT	Position: 152° / 715 m Dir: West; Behavior: Slow travel	
			10:53:00 PDT	Body	Inside /
			17:53-GMT	Position: 229° / 675 m Dir: West; Behavior: Slow travel	Outside

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Bouys
	26	Good - 0	Er Total 1 — 0 Calves at sighting		
			13:56:00 PDT	Blow	
			20:56-GMT	Position: 126° / 715 m Dir: West; Behavior: Slow travel	
			14:00:00 PDT	Blow	
			21:00-GMT	Position: 142° / 485 m Dir: West; Behavior: Slow travel	
			14:05:00 PDT	Blow	
			21:05-GMT	Position: 168° / 327 m Dir: West; Behavior: Slow travel	
			14:08:00 PDT	Blow	
			21:08-GMT	Position: 210° / 302 m Dir: West; Behavior: Slow travel	
			14:12:00 PDT	Body	
			21:12-GMT	Position: 239° / 449 m Dir: West; Behavior: Slow travel	
			14:16:00 PDT	Blow	
			21:16-GMT	Position: 256° / 607 m Dir: West; Behavior: Slow travel	
			14:20:00 PDT	Blow	Inside /
			21:20-GMT	Position: 265° / 812 m Dir: West; Behavior: Slow travel	Through
	31	Good - 0	Er Total 1 — 0 Calves at sighting		
			14:36:00 PDT	Blow	
			21:36-GMT	Position: 192° / 871 m Dir: West; Behavior: Slow travel	
			14:44:00 PDT	Blow	
			21:44-GMT	Position: 238° / 1,294 m Dir: West; Behavior: Slow travel	
			14:46:00 PDT	Blow	Inside /
			21:46-GMT	Position: 242° / 1,369 m Dir: West; Behavior: Slow travel • Fluke	Outside

Apr 13 Total 3 Calves 1
Day 77 of 105

	20	Fair - 1	Er Total 2 — 1 Calf at sighting		
			11:23:00 PDT	Blow	
			18:23-GMT	Position: 112° / 1,778 m Dir: West; Behavior: Slow travel	
			<i>halting at Campus Point made wide turn - slow travel (regular) saw rostrum first - surface - surface again little blow - saw back and knuckles good look - little me clean - no barnacles</i>		
			11:31:00 PDT	Blow	
			18:31-GMT	Position: 124° / 1,546 m Dir: West; Behavior: Slow travel	
			11:40:00 PDT	Blow	
			18:40-GMT	Position: 152° / 871 m Dir: West; Behavior: Slow travel	
			11:47:00 PDT	Blow	
			18:47-GMT	Position: 203° / 761 m Dir: West; Behavior: Slow travel	
			11:54:00 PDT	Blow	
			18:54-GMT	Position: 239° / 1,019 m Dir: West; Behavior: Slow travel	
	25	Fair - 1	Er Total 1 — 0 Calves at sighting		
			13:00:00 PDT	Blow	
			20:00-GMT	Position: 123° / 1,113 m Dir: West; Behavior: Slow travel • Fluke	
			13:06:00 PDT	Body	
			20:06-GMT	Position: 150° / 485 m Dir: West; Behavior: Slow travel • Fluke	
			13:13:00 PDT	Blow	
			20:13-GMT	Position: 230° / 449 m Dir: West; Behavior: Slow travel • Fluke	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		13:22:00 PDT	Blow	Inside /
		20:22-GMT	Position: 274° / 1,019 m Dir: West; Behavior: Slow travel • Fluke	Through

Apr 14 Total 3 Calves 0
Day 78 of 105

01	Fair - 1	Er Total 1 — 0 Calves at sighting		
		8:47:00 PDT	Blow	
		15:47-GMT	Position: 114° / 1,546 m Dir: West; Behavior: Slow travel	
		8:52:00 PDT	Blow	
		15:52-GMT	Position: 124° / 761 m Dir: West; Behavior: Slow travel	
		9:01:00 PDT	Blow	
		16:01-GMT	Position: 200° / 505 m Dir: West; Behavior: Slow travel	
		9:07:00 PDT	Blow	
		16:07-GMT	Position: 256° / 871 m Dir: West; Behavior: Slow travel • Fluke	
		9:14:00 PDT	Blow	Inside /
		16:14-GMT	Position: 276° / 1,778 m Dir: West; Behavior: Slow travel	Through

07	Fair - 3	Er Total 1 — 0 Calves at sighting		
		9:39:00 PDT	Blow	
		16:39-GMT	Position: 114° / 2,094 m Dir: West; Behavior: Slow travel	
		9:59:00 PDT	Blow	ND / ND
		16:59-GMT	Position: 138° / 761 m Dir: West; Behavior: Slow travel	
		<i>visibility best S and W, whale disappeared, blows backlit E and SE</i>		

28	Fair - 3	Er Total 1 — 0 Calves at sighting		
		16:05:00 PDT	Blow	
		23:05-GMT	Position: 129° / 2,553 m Dir: West; Behavior: Slow travel	
		16:11:00 PDT	Body	
		23:11-GMT	Position: 139° / 2,094 m Dir: West; Behavior: Slow travel	
		16:14:00 PDT	Blow	
		23:14-GMT	Position: 147° / 1,778 m Dir: West; Behavior: Slow travel	
		16:23:00 PDT	Blow	
		23:23-GMT	Position: 187° / 1,228 m Dir: West; Behavior: Slow travel	
		16:27:00 PDT	Blow	
		23:27-GMT	Position: 213° / 1,228 m Dir: West; Behavior: Slow travel	
		16:30:00 PDT	Blow	Inside /
		23:30-GMT	Position: 233° / 1,369 m Dir: West; Behavior: Slow travel	Outside

Apr 15 Total 4 Calves 1
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08	Fair - 2	Er Total 2 — 0 Calves at sighting		
		10:19:00 PDT	Blow	
		17:19-GMT	Position: 120° / 840 m Dir: West; Behavior: Slow travel • Fluke	
		10:31:00 PDT	Blow	Inside / ND
		17:31-GMT	Position: 244° / 466 m Dir: West; Behavior: Slow travel • Fluke	

09	Fair - 2	Er Total 2 — 1 Calf at sighting		
		10:28:00 PDT	Blow	
		17:28-GMT	Position: 140° / 302 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		10:30:00 PDT	Blow	
		17:30-GMT	Position: 182° / 449 m Dir: West; Behavior: Slow travel	
		10:34:00 PDT	Blow	
		17:34-GMT	Position: 224° / 351 m Dir: West; Behavior: Slow travel	
		10:38:00 PDT	Blow	
		17:38-GMT	Position: 242° / 485 m Dir: West; Behavior: Slow travel	
		10:43:00 PDT	Blow	Inside / Inside
		17:43-GMT	Position: 280° / 466 m Dir: West; Behavior: Slow travel	
			<i>little blows</i>	

Apr 16 Total 6 Calves 3
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13 Fair - 1 Er Total 2 — 1 Calf at sighting

10:41:00 PDT	Blow	
17:41-GMT	Position: 109° / 1,778 m Dir: West; Behavior: Slow travel	
	<i>Comment did not see calf until 218/1.3 surfaced with cow good look at back and blowhole</i>	
10:42:00 PDT	Blow	
17:42-GMT	Position: 114° / 1,228 m Dir: West; Behavior: Slow travel	
10:47:00 PDT	Blow	
17:47-GMT	Position: 115° / 1,019 m Dir: West; Behavior: Slow travel	
10:53:00 PDT	Blow	
17:53-GMT	Position: 130° / 505 m Dir: West; Behavior: Slow travel	
10:57:00 PDT	ni	
17:57-GMT	Position: 185° / 295 m Dir: West; Behavior: Slow travel	
11:01:00 PDT	ni	Inside / ND
18:01-GMT	Position: 232° / 812 m Dir: West; Behavior: Slow travel	

19 Good - 1 Er Total 2 — 1 Calf at sighting

13:53:00 PDT	Body	
20:53-GMT	Position: 180° / 433 m Dir: West; Behavior: Slow travel	
	<i>Didn't see whales until Point. Calf head popped up alongside mom</i>	
13:56:00 PDT	Body	
20:56-GMT	Position: 211° / 485 m Dir: West; Behavior: Slow travel	
13:57:00 PDT	Body	
20:57-GMT	Position: 221° / 485 m Dir: West; Behavior: Slow travel	
13:59:00 PDT	Body	
20:59-GMT	Position: 237° / 639 m Dir: West; Behavior: Slow travel	
14:01:00 PDT	Blow	NI / NI
21:01-GMT	Position: 249° / 812 m Dir: West; Behavior: Slow travel	

26 Good - 1 Er Total 2 — 1 Calf at sighting

16:34:00 PDT	Body	
23:34-GMT	Position: 161° / 578 m Dir: West; Behavior: Slow travel	
	<i>Calf up and down many times - cow smooth - only one good sized blow - calm conditions - good eyes - did not pick up whale until in front of us.</i>	
16:37:00 PDT	Blow	
23:37-GMT	Position: 183° / 418 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		16:42:00 PDT	Blow	
		23:42-GMT	Position: 221° / 505 m Dir: West; Behavior: Slow travel	
		16:44:00 PDT	Body	
		23:44-GMT	Position: 237° / 578 m Dir: West; Behavior: Slow travel	
		16:47:00 PDT	Blow	
		23:47-GMT	Position: 255° / 871 m Dir: West; Behavior: Slow travel	
		16:49:00 PDT	Blow	Inside /
		23:49-GMT	Position: 262° / 939 m Dir: West; Behavior: Slow travel	Outside

Apr 17 Total 9 Calves 1
Day 81 of 105

05 Fair - 0 Er Total 1 — 0 Calves at sighting

9:16:00 PDT	Blow	
16:16-GMT	Position: 103° / 2,553 m Dir: West; Behavior: Slow travel	
9:20:00 PDT	Blow	
16:20-GMT	Position: 104° / 2,094 m Dir: West; Behavior: Slow travel	
9:25:00 PDT	Blow	
16:25-GMT	Position: 106° / 2,094 m Dir: West; Behavior: Slow travel	
9:29:00 PDT	Blow	
16:29-GMT	Position: 111° / 2,094 m Dir: West; Behavior: Slow travel	
9:31:00 PDT	Blow	
16:31-GMT	Position: 113° / 1,369 m Dir: West; Behavior: Slow travel	
9:32:00 PDT	Blow	
16:32-GMT	Position: 113° / 1,228 m Dir: West; Behavior: Slow travel	
9:33:00 PDT	Blow	
16:33-GMT	Position: 116° / 1,113 m Dir: West; Behavior: Slow travel	
9:41:00 PDT	Blow	
16:41-GMT	Position: 156° / 466 m Dir: West; Behavior: Slow travel	
9:42:00 PDT	Blow	
16:42-GMT	Position: 184° / 449 m Dir: West; Behavior: Slow travel	
9:45:00 PDT	Blow	
16:45-GMT	Position: 228° / 433 m Dir: West; Behavior: Slow travel	
9:48:00 PDT	Blow	Inside /
16:48-GMT	Position: 248° / 675 m Dir: West; Behavior: Slow travel	Outside

06 Fair - 0 Er Total 2 — 0 Calves at sighting

9:23:00 PDT	Blow	
16:23-GMT	Position: 100° / 3,288 m Dir: West; Behavior: Slow travel	
9:28:00 PDT	Blow	
16:28-GMT	Position: 101° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	
9:33:00 PDT	Blow	
16:33-GMT	Position: 108° / 2,553 m Dir: West; Behavior: Slow travel	
9:40:00 PDT	Blow	
16:40-GMT	Position: 115° / 2,094 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Bouys
			9:45:00 PDT	Blow	
			16:45-GMT	Position: 118° / 1,546 m Dir: West; Behavior: Slow travel	
				<i>strongly suspected 3 but didn't have proof</i>	
			9:50:00 PDT	Blow	
			16:50-GMT	Position: 138° / 1,019 m Dir: West; Behavior: Slow travel	
			9:52:00 PDT	Blow	
			16:52-GMT	Position: 146° / 812 m Dir: West; Behavior: Slow travel • Fluke	
			10:05:00 PDT	Blow	
			17:05-GMT	Position: 257° / 1,113 m Dir: West; Behavior: Slow travel	
			10:12:00 PDT	Blow	Inside /
			17:12-GMT	Position: 271° / 1,778 m Dir: West; Behavior: Slow travel	Outside
	11	Fair - 0	Er Total 1 — 0 Calves at sighting		
			10:19:00 PDT	Body	
			17:19-GMT	Position: 187° / 2,094 m Dir: West; Behavior: Slow travel • Breach	
			10:40:00 PDT	Blow	Inside /
			17:40-GMT	Position: 253° / 2,553 m Dir: West; Behavior: Slow travel	Outside
				<i>stuck its head out, but not a spy hop.</i>	
	26	Good - 1	Er Total 2 — 1 Calf at sighting		
			15:13:00 PDT	Blow	
			22:13-GMT	Position: 111° / 1,546 m Dir: West; Behavior: Slow travel	
				<i>saw @ Campus point, calf started on inside of cow, switched to outside, switched back to inside @ buoys. Traveled close to shove. Tracked all the way through buoys.</i>	
			15:18:00 PDT	Body	
			22:18-GMT	Position: 117° / 1,369 m Dir: West; Behavior: Slow travel	
			15:22:00 PDT	Blow	
			22:22-GMT	Position: 125° / 761 m Dir: West; Behavior: Slow travel	
			15:27:00 PDT	Blow	
			22:27-GMT	Position: 152° / 433 m Dir: West; Behavior: Slow travel	
			15:38:00 PDT	Blow	
			22:38-GMT	Position: 257° / 607 m Dir: West; Behavior: Slow travel	
			15:41:00 PDT	Blow	
			22:41-GMT	Position: 274° / 1,113 m Dir: West; Behavior: Slow travel	
			15:45:00 PDT	Blow	Inside / Inside
			22:45-GMT	Position: 279° / 1,369 m Dir: West; Behavior: Slow travel	
	29	Fair - 2	Er Total 1 — 0 Calves at sighting		
			16:25:00 PDT	Blow	
			23:25-GMT	Position: 149° / 2,553 m Dir: West; Behavior: Slow travel	
			16:34:00 PDT	Blow	
			23:34-GMT	Position: 176° / 1,546 m Dir: West; Behavior: Slow travel	
			16:41:00 PDT	Blow	Inside / ND
			23:41-GMT	Position: 204° / 1,546 m Dir: West; Behavior: Slow travel	
	33	Fair - 2	Er Total 2 — 0 Calves at sighting		
			16:55:00 PDT	Body	
			23:55-GMT	Position: 144° / 761 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		17:00:00 PDT	Blow	
		0:00;	Position: 165° / 639 m Dir: West; Behavior: Slow travel	
		4/18/2008-GMT		

Apr 18 Total 17 Calves 3
Day 82 of 105

09	Fair - 2	<i>Er Total 1 — 0 Calves at sighting</i>		
		10:18:00 PDT	Blow	
		17:18-GMT	Position: 137° / 3,288 m Dir: West; Behavior: Slow travel	
		10:26:00 PDT	Blow	
		17:26-GMT	Position: 145° / 3,288 m Dir: West; Behavior: Slow travel	
		10:30:00 PDT	Blow	
		17:30-GMT	Position: 151° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
		10:36:00 PDT	Blow	
		17:36-GMT	Position: 168° / 2,553 m Dir: West; Behavior: Slow travel	
		10:39:00 PDT	Blow	
		17:39-GMT	Position: 177° / 2,094 m Dir: West; Behavior: Slow travel	
		11:02:00 PDT	Blow	Inside /
		18:02-GMT	Position: 243° / 2,553 m Dir: West; Behavior: Slow travel	Outside

11	Fair - 2	<i>Er Total 3 — 0 Calves at sighting</i>		
		10:42:00 PDT	ni	
		17:42-GMT	Position: 99° / 2,553 m Dir: West; Behavior: Slow travel	
		10:44:00 PDT	Blow	
		17:44-GMT	Position: 100° / 2,553 m Dir: West; Behavior: Slow travel	
		10:47:00 PDT	Blow	
		17:47-GMT	Position: 103° / 2,553 m Dir: West; Behavior: Slow travel	
		10:51:00 PDT	Blow	
		17:51-GMT	Position: 104° / 2,094 m Dir: West; Behavior: Slow travel	
		10:54:00 PDT	Blow	
		17:54-GMT	Position: 108° / 1,778 m Dir: West; Behavior: Slow travel	
		10:58:00 PDT	Blow	
		17:58-GMT	Position: 110° / 1,546 m Dir: West; Behavior: Slow travel	
		11:02:00 PDT	Blow	
		18:02-GMT	Position: 112° / 1,546 m Dir: West; Behavior: Slow travel	
		11:04:00 PDT	Blow	
		18:04-GMT	Position: 115° / 1,228 m Dir: West; Behavior: Slow travel	
		11:07:00 PDT	Blow	
		18:07-GMT	Position: 117° / 1,019 m Dir: West; Behavior: Slow travel	
		11:10:00 PDT	Blow	
		18:10-GMT	Position: 120° / 639 m Dir: West; Behavior: Slow travel	
		11:11:00 PDT	Blow	
		18:11-GMT	Position: 130° / 505 m Dir: West; Behavior: Slow travel	
		11:13:00 PDT	Blow	
		18:13-GMT	Position: 146° / 449 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		11:14:00 PDT	Blow	
		18:14-GMT	Position: 172° / 367 m Dir: West; Behavior: Slow travel	
		11:17:00 PDT	Blow	
		18:17-GMT	Position: 220° / 418 m Dir: West; Behavior: Slow travel	
		11:18:00 PDT	Blow	
		18:18-GMT	Position: 236° / 418 m Dir: West; Behavior: Slow travel	
		11:20:00 PDT	Blow	
		18:20-GMT	Position: 241° / 485 m Dir: West; Behavior: Slow travel	
		11:20:00 PDT	Blow	
		18:20-GMT	Position: 253° / 551 m Dir: West; Behavior: Slow travel	
		11:23:00 PDT	Blow	
		18:23-GMT	Position: 270° / 607 m Dir: West; Behavior: Slow travel	
		11:25:00 PDT	Blow	Inside / Inside
		18:25-GMT	Position: 284° / 871 m Dir: West; Behavior: Slow travel	
	13	Poor - 2	Er Total 2 — 1 Calf at sighting	
		11:38:00 PDT	Body	
		18:38-GMT	Position: 113° / 871 m Dir: West; Behavior: Slow travel	
		11:43:00 PDT	Blow	
		18:43-GMT	Position: 149° / 418 m Dir: West; Behavior: Slow travel	
		11:45:00 PDT	Blow	
		18:45-GMT	Position: 172° / 346 m Dir: West; Behavior: Slow travel	
		11:49:00 PDT	Body	
		18:49-GMT	Position: 245° / 466 m Dir: West; Behavior: Slow travel	
		11:50:00 PDT	Blow	
		18:50-GMT	Position: 260° / 378 m Dir: West; Behavior: Slow travel	
		11:53:00 PDT	Blow	Inside / Inside
		18:53-GMT	Position: 281° / 715 m Dir: West; Behavior: Slow travel	
	14	Fair - 3	Er Total 2 — 1 Calf at sighting	
		11:39:00 PDT	Blow	
		18:39-GMT	Position: 110° / 1,546 m Dir: West; Behavior: Slow travel	
		11:49:00 PDT	Blow	
		18:49-GMT	Position: 122° / 675 m Dir: West; Behavior: Slow travel	
		11:54:00 PDT	Blow	
		18:54-GMT	Position: 172° / 404 m Dir: West; Behavior: Slow travel	
		11:57:00 PDT	Blow	
		18:57-GMT	Position: 223° / 485 m Dir: West; Behavior: Slow travel	
		12:01:00 PDT	Blow	
		19:01-GMT	Position: 272° / 675 m Dir: West; Behavior: Slow travel	
		12:02:00 PDT	Blow	Inside / Inside
		19:02-GMT	Position: 280° / 675 m Dir: West; Behavior: Slow travel	
	15	Fair - 3	Er Total 3 — 0 Calves at sighting	
		11:59:00 PDT	Blow	
		18:59-GMT	Position: 110° / 2,094 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Bouys
			12:04:00 PDT	Blow	
			19:04-GMT	Position: 118° / 1,546 m Dir: West; Behavior: Slow travel	
			12:10:00 PDT	Body	
			19:10-GMT	Position: 144° / 871 m Dir: West; Behavior: Slow travel	
			12:17:00 PDT	Blow	Inside / ND
			19:17-GMT	Position: 222° / 700 m Dir: West; Behavior: Slow travel • Fluke	
	19	Good - 3	Er Total 2 — 1 Calf at sighting		
			15:46:00 PDT	Blow	
			22:46-GMT	Position: 109° / 1,778 m Dir: West; Behavior: Slow travel	
			<i>Saw blow early, Condor came long time later it appeared again close to shore, mother would surface then calf would follow right after.</i>		
			16:00:00 PDT	Blow	
			23:00-GMT	Position: 122° / 607 m Dir: West; Behavior: Slow travel	
			16:05:00 PDT	Blow	
			23:05-GMT	Position: 164° / 275 m Dir: West; Behavior: Slow travel	
			16:09:00 PDT	Body	
			23:09-GMT	Position: 230° / 378 m Dir: West; Behavior: Slow travel	
			16:09:00 PDT	Blow	
			23:09-GMT	Position: 234° / 327 m Dir: West; Behavior: Slow travel	
			16:14:00 PDT	Blow	Inside / Inside
			23:14-GMT	Position: 270° / 527 m Dir: West; Behavior: Slow travel	
	22	Good - 3	Er Total 1 — 0 Calves at sighting		
			16:39:00 PDT	Blow	
			23:39-GMT	Position: 103° / 2,553 m Dir: West; Behavior: Slow travel	
			16:49:00 PDT	Blow	
			23:49-GMT	Position: 107° / 1,778 m Dir: West; Behavior: Slow travel	
			16:54:00 PDT	ni	
			23:54-GMT	Position: 112° / 1,778 m Dir: West; Behavior: Slow travel	
			16:57:00 PDT	Blow	
			23:57-GMT	Position: 118° / 1,369 m Dir: West; Behavior: Slow travel	
			17:03:00 PDT	Blow	NI / NI
			0:03;	Position: 142° / 1,113 m Dir: West; Behavior: Slow travel • Fluke	
			4/19/2008-GMT		
	23	Good - 3	Er Total 2 — 0 Calves at sighting		
			16:40:00 PDT	Blow	
			23:40-GMT	Position: 134° / 1,778 m Dir: West; Behavior: Slow travel	
			16:43:00 PDT	Blow	
			23:43-GMT	Position: 141° / 1,228 m Dir: West; Behavior: Slow travel	
			16:45:00 PDT	Blow	
			23:45-GMT	Position: 146° / 1,019 m Dir: West; Behavior: Slow travel	
			16:47:00 PDT	Blow	
			23:47-GMT	Position: 150° / 871 m Dir: West; Behavior: Slow travel	
			16:51:00 PDT	Blow	
			23:51-GMT	Position: 176° / 715 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Bouys
			16:55:00 PDT	ni	Inside /
			23:55-GMT	Position: 218° / 715 m Dir: West; Behavior: Slow travel • Fluke	Outside
	24	Good - 3	Er Total 1 — 0 Calves at sighting		
			17:07:00 PDT	Blow	
			0:07;	Position: 164° / 318 m Dir: West; Behavior: Slow travel	
			4/19/2008-GMT		
			17:09:00 PDT	Blow	
			0:09;	Position: 195° / 356 m Dir: West; Behavior: Slow travel	
			4/19/2008-GMT		
			17:12:00 PDT	Blow	NI / NI
			0:12;	Position: 244° / 607 m Dir: West; Behavior: Slow travel	
			4/19/2008-GMT		
<hr/>					
Apr 19	Total 11 Calves 4		Day 83 of 105		
	11	Poor - 1	Er Total 2 — 1 Calf at sighting		
			9:24:00 PDT	Body	
			16:24-GMT	Position: 105° / 527 m Dir: West; Behavior: Slow travel	
			<i>Saw in kelp to east - very close in surf past Point</i>		
			9:25:00 PDT	Blow	
			16:25-GMT	Position: 113° / 390 m Dir: West; Behavior: Slow travel	
			9:30:00 PDT	Blow	
			16:30-GMT	Position: 147° / 257 m Dir: West; Behavior: Slow travel	
			9:40:00 PDT	Body	
			16:40-GMT	Position: 259° / 310 m Dir: West; Behavior: Slow travel	
			9:42:00 PDT	Body	Inside / Inside
			16:42-GMT	Position: 273° / 433 m Dir: West; Behavior: Slow travel	
	12	Poor - 1	Er Total 2 — 0 Calves at sighting		
			9:49:00 PDT	Blow	
			16:49-GMT	Position: 134° / 871 m Dir: West; Behavior: Slow travel • Fluke	
			9:57:00 PDT	Blow	
			16:57-GMT	Position: 213° / 527 m Dir: West; Behavior: Slow travel • Fluke	
			10:04:00 PDT	Blow	Inside /
			17:04-GMT	Position: 268° / 1,019 m Dir: West; Behavior: Slow travel	Through
	14	Poor - 1	Er Total 2 — 1 Calf at sighting		
			10:02:00 PDT	Blow	
			17:02-GMT	Position: 96° / 2,872 m Dir: West; Behavior: Slow travel	
			<i>Was behind the group of sight #16; after boat #18, baby started breaching like mad @ least 35 times</i>		
			10:10:00 PDT	Blow	
			17:10-GMT	Position: 96° / 2,553 m Dir: West; Behavior: Slow travel	
			10:23:00 PDT	Blow	
			17:23-GMT	Position: 104° / 2,094 m Dir: West; Behavior: Slow travel	
			10:33:00 PDT	Blow	
			17:33-GMT	Position: 103° / 1,369 m Dir: West; Behavior: Slow travel	
			10:37:00 PDT	Blow	
			17:37-GMT	Position: 103° / 1,369 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		10:40:00 PDT	Body	
		17:40-GMT	Position: 104° / 3,288 m Dir: West; Behavior: Slow travel	
		10:53:00 PDT	Blow	
		17:53-GMT	Position: 108° / 1,369 m Dir: West; Behavior: Slow travel	
		11:00:00 PDT	Blow	
		18:00-GMT	Position: 114° / 1,369 m Dir: West; Behavior: Slow travel	
		11:06:00 PDT	Blow	
		18:06-GMT	Position: 136° / 433 m Dir: West; Behavior: Slow travel • Breach •	
			<i>baby breaches @ 1106</i>	
		11:14:00 PDT	Blow	
		18:14-GMT	Position: 139° / 306 m Dir: West; Behavior: Slow travel • Rolling • Breach	
		11:16:00 PDT	Body	
		18:16-GMT	Position: 225° / 288 m Dir: West; Behavior: Slow travel • Breach	
		11:18:00 PDT	Body	
		18:18-GMT	Position: 250° / 378 m Dir: West; Behavior: Slow travel • Breach	
		11:20:00 PDT	Body	
		18:20-GMT	Position: 267° / 433 m Dir: West; Behavior: Slow travel • Breach	
		11:23:00 PDT	Body	Inside / Inside
		18:23-GMT	Position: 282° / 675 m Dir: West; Behavior: Slow travel • Breach	

16 Poor - 1 **Er Total 2 — 1 Calf at sighting**

		10:23:00 PDT	Blow	
		17:23-GMT	Position: 99° / 2,553 m Dir: West; Behavior: Slow travel	
			<i>were in front of sighting #14 then after going around the point, turned east, eventually turned back west; #14 passed them and we reidentified them in the surf near the shore.</i>	
		10:27:00 PDT	Blow	
		17:27-GMT	Position: 101° / 2,553 m Dir: West; Behavior: Slow travel	
		10:31:00 PDT	Blow	
		17:31-GMT	Position: 104° / 2,094 m Dir: West; Behavior: Slow travel	
		10:36:00 PDT	Blow	
		17:36-GMT	Position: 105° / 1,778 m Dir: West; Behavior: Slow travel	
		10:37:00 PDT	Blow	
		17:37-GMT	Position: 104° / 1,778 m Dir: West; Behavior: Slow travel	
		10:49:00 PDT	ni	
		17:49-GMT	Position: 111° / 433 m Dir: West; Behavior: Slow travel • Rolling	
		10:51:00 PDT	Blow	
		17:51-GMT	Position: 120° / 356 m Dir: West; Behavior: Slow travel	
		10:57:00 PDT	Blow	
		17:57-GMT	Position: 197° / 237 m Dir: West; Behavior: Slow travel	
		11:08:00 PDT	Blow	Inside / Inside
		18:08-GMT	Position: 263° / 356 m Dir: East; Behavior: Slow travel	
			<i>after turning east did not turn back west but failed to get a bearing; later re-identified in surf @ Ellwood</i>	

19 Poor - 1 **Er Total 1 — 0 Calves at sighting**

		11:09:00 PDT	Blow	
		18:09-GMT	Position: 120° / 871 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		11:13:00 PDT	Blow	
		18:13-GMT	Position: 181° / 378 m Dir: West; Behavior: Slow travel	
		11:16:00 PDT	ni	NI / NI
		18:16-GMT	Position: 204° / 336 m Dir: West; Behavior: Slow travel	
	20	Poor - 1	Er Total 2 — 1 Calf at sighting	
		11:27:00 PDT	Blow	
		18:27-GMT	Position: 241° / 288 m Dir: West; Behavior: Slow travel	
			<i>appeared in front in surf good looks at back/ blowhole - position with cow.</i>	
		11:28:00 PDT	Blow	
		18:28-GMT	Position: 244° / 302 m Dir: West; Behavior: Slow travel	
		11:29:00 PDT	Blow	
		18:29-GMT	Position: 249° / 327 m Dir: West; Behavior: Slow travel	
		11:32:00 PDT	Blow	
		18:32-GMT	Position: 266° / 390 m Dir: West; Behavior: Slow travel	
		11:39:00 PDT	Body	Inside / Inside
		18:39-GMT	Position: 256° / 715 m Dir: West; Behavior: Slow travel	

Apr 20 Total 6 Calves 2
Day 84 of 105

	02	Fair - 0	Er Total 3 — 1 Calf at sighting	
		8:58:00 PDT	ni	
		15:58-GMT	Position: 144° / 356 m Dir: West; Behavior: not indicated	
			<i>Very slow travel (quiet)</i>	
			<i>Very quiet - juvenile to side and behind - saw calf (for sure) at buoys</i>	
		9:00:00 PDT	Body	
		16:00-GMT	Position: 179° / 327 m Dir: West; Behavior: not indicated	
		9:02:00 PDT	Body	
		16:02-GMT	Position: 222° / 336 m Dir: West; Behavior: Slow travel	
		9:06:00 PDT	Blow	
		16:06-GMT	Position: 256° / 449 m Dir: West; Behavior: Slow travel	
		9:09:00 PDT	Body	NI / NI
		16:09-GMT	Position: 275° / 607 m Dir: West; Behavior: not indicated	
	11	Good - 3	Er Total 2 — 1 Calf at sighting	
		13:18:00 PDT	Blow	
		20:18-GMT	Position: 97° / 2,872 m Dir: West; Behavior: Slow travel	
			<i>Condor Express approached and traveled parallel. Calf was on inside and they were traveling close to shore.</i>	
		13:27:00 PDT	Blow	
		20:27-GMT	Position: 108° / 2,553 m Dir: West; Behavior: Slow travel	
		13:29:00 PDT	Blow	
		20:29-GMT	Position: 108° / 2,094 m Dir: West; Behavior: Slow travel	
		13:33:00 PDT	Blow	
		20:33-GMT	Position: 112° / 1,778 m Dir: West; Behavior: Slow travel	
		13:40:00 PDT	Blow	
		20:40-GMT	Position: 129° / 871 m Dir: West; Behavior: not indicated	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		13:43:00 PDT	ni	
		20:43-GMT	Position: 149° / 715 m Dir: West; Behavior: not indicated	
		13:46:00 PDT	Blow	
		20:46-GMT	Position: 197° / 404 m Dir: West; Behavior: not indicated	
		13:48:00 PDT	Blow	Inside / ND
		20:48-GMT	Position: 233° / 551 m Dir: West; Behavior: not indicated	
	12	Good - 3	Er Total 1 — 0 Calves at sighting	
		13:25:00 PDT	Blow	
		20:25-GMT	Position: 132° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
		13:36:00 PDT	Blow	
		20:36-GMT	Position: 148° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
		13:58:00 PDT	Blow	Inside /
		20:58-GMT	Position: 234° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	Outside

Apr 21 Total 4 Calves 1
Day 85 of 105

	10	Fair - 1	Er Total 2 — 1 Calf at sighting	
		10:36:00 PDT	Blow	
		17:36-GMT	Position: 101° / 2,553 m Dir: West; Behavior: Slow travel	
		<i>Pair traveled slowly W, then N, then W in kelp Meandering E and W - hung in kelp to right of Point - disappeared? - cow had been blowing - not shy - calf not much of a blow</i>		
		10:40:00 PDT	Blow	
		17:40-GMT	Position: 102° / 2,094 m Dir: West; Behavior: Slow travel	
		10:45:00 PDT	Blow	
		17:45-GMT	Position: 103° / 2,094 m Dir: West; Behavior: Slow travel	
		10:52:00 PDT	Blow	
		17:52-GMT	Position: 104° / 2,094 m Dir: West; Behavior: Slow travel	
		11:03:00 PDT	Blow	
		18:03-GMT	Position: 114° / 1,546 m Dir: West; Behavior: not indicated	
		11:06:00 PDT	Blow	
		18:06-GMT	Position: 114° / 1,369 m Dir: West; Behavior: Slow travel	
		11:12:00 PDT	Blow	
		18:12-GMT	Position: 118° / 812 m Dir: West; Behavior: not indicated	
		11:29:00 PDT	Blow	
		18:29-GMT	Position: 217° / 404 m Dir: West; Behavior: Slow travel	
		11:39:00 PDT	ni	
		18:39-GMT	Position: 235° / 505 m Dir: Stationary; Behavior: Milling	
		11:45:00 PDT	Blow	
		18:45-GMT	Position: 234° / 327 m Dir: West; Behavior: Milling	
		11:46:00 PDT	Blow	
		18:46-GMT	Position: 229° / 378 m Dir: East; Behavior: Milling	
		12:06:00 PDT	Blow	Inside / ND
		19:06-GMT	Position: 232° / 404 m Dir: West; Behavior: not indicated	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting	Quality - Beau	Blow/Body	Holly/Bouys
	Number	Time		
	18	Fair - 2	Er Total 2 — 0 Calves at sighting	
		15:22:00 PDT	Blow	
		22:22-GMT	Position: 170° / 2,094 m Dir: West; Behavior: not indicated	
		15:27:00 PDT	ni	
		22:27-GMT	Position: 181° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	
		15:28:00 PDT	Body	
		22:28-GMT	Position: 184° / 1,778 m Dir: West; Behavior: Breach • Stationary	
		15:30:00 PDT	Blow	
		22:30-GMT	Position: 198° / 1,546 m Dir: West; Behavior: Slow travel	
		15:35:00 PDT	Blow	
		22:35-GMT	Position: 216° / 1,546 m Dir: West; Behavior: Slow travel	
		15:39:00 PDT	Blow	Inside /
		22:39-GMT	Position: 232° / 2,094 m Dir: West; Behavior: Slow travel	Outside

Apr 22 Total **3** Calves **1**
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	05	Fair - 1	Er Total 2 — 1 Calf at sighting	
		10:07:00 PDT	Blow	
		17:07-GMT	Position: 106° / 2,553 m Dir: West; Behavior: Slow travel	
			<i>Smooth body, calf was calm and swam well, mother and calf stayed close the whole time - seemed large - may have been yearling</i>	
		10:13:00 PDT	Blow	
		17:13-GMT	Position: 107° / 2,553 m Dir: West; Behavior: Slow travel	
		10:17:00 PDT	Blow	
		17:17-GMT	Position: 109° / 1,546 m Dir: West; Behavior: not indicated	
		10:21:00 PDT	Blow	
		17:21-GMT	Position: 114° / 1,369 m Dir: West; Behavior: Slow travel	
		10:26:00 PDT	Body	
		17:26-GMT	Position: 119° / 1,228 m Dir: West; Behavior: Slow travel	
		10:27:00 PDT	Body	
		17:27-GMT	Position: 121° / 939 m Dir: West; Behavior: not indicated	
		10:30:00 PDT	Blow	
		17:30-GMT	Position: 122° / 675 m Dir: West; Behavior: not indicated	
		10:33:00 PDT	Blow	
		17:33-GMT	Position: 147° / 390 m Dir: West; Behavior: not indicated	
		10:35:00 PDT	Body	
		17:35-GMT	Position: 170° / 356 m Dir: West; Behavior: Slow travel	
		10:37:00 PDT	Blow	
		17:37-GMT	Position: 201° / 356 m Dir: West; Behavior: Slow travel	
		10:38:00 PDT	Blow	
		17:38-GMT	Position: 228° / 367 m Dir: West; Behavior: Slow travel	
		10:42:00 PDT	Blow	
		17:42-GMT	Position: 253° / 505 m Dir: West; Behavior: Slow travel	
		10:45:00 PDT	Blow	Inside / Inside
		17:45-GMT	Position: 281° / 675 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau Time	Blow/Body	Holly/Bouys
	06	Fair - 1	Er Total 1 — 0 Calves at sighting	
		10:24:00 PDT	Blow	
		17:24-GMT	Position: 117° / 2,553 m Dir: West; Behavior: not indicated	
		10:32:00 PDT	Blow	
		17:32-GMT	Position: 136° / 1,019 m Dir: West; Behavior: not indicated	
		10:36:00 PDT	Body	
		17:36-GMT	Position: 162° / 715 m Dir: West; Behavior: Slow travel • Rolling	
		10:41:00 PDT	Body	Inside / ND
		17:41-GMT	Position: 214° / 505 m Dir: West; Behavior: Slow travel	

Apr 24 Total 4 Calves 2
Day 88 of 105

	08	Fair - 0	Er Total 2 — 1 Calf at sighting	
		9:39:00 PDT	Blow	
		16:39-GMT	Position: 129° / 551 m Dir: West; Behavior: not indicated	
			<i>All business - cow is big whale</i>	
			<i>Calf covered by mom at first - stayed ocean side</i>	
		9:43:00 PDT	Blow	
		16:43-GMT	Position: 156° / 505 m Dir: West; Behavior: not indicated	
		9:45:00 PDT	Blow	
		16:45-GMT	Position: 168° / 449 m Dir: West; Behavior: not indicated	
		9:48:00 PDT	Blow	
		16:48-GMT	Position: 211° / 505 m Dir: West; Behavior: not indicated	
		9:50:00 PDT	Blow	
		16:50-GMT	Position: 224° / 607 m Dir: West; Behavior: not indicated	
		9:56:00 PDT	Blow	Inside /
		16:56-GMT	Position: 254° / 1,019 m Dir: West; Behavior: not indicated	Outside

	14	Fair - 0	Er Total 2 — 1 Calf at sighting	
		11:55:00 PDT	Blow	
		18:55-GMT	Position: 103° / 2,553 m Dir: West; Behavior: Slow travel	
			<i>Calf proximity to cow: close, but at times separated</i>	
			<i>Separated at first, traveled along the kelp and calf played in the kelp</i>	
			<i>Condor Express came and the pair stayed under longer.</i>	
		11:57:00 PDT	Blow	
		18:57-GMT	Position: 105° / 2,094 m Dir: West; Behavior: Slow travel	
		12:02:00 PDT	Blow	
		19:02-GMT	Position: 112° / 2,094 m Dir: West; Behavior: Slow travel	
		12:09:00 PDT	Blow	
		19:09-GMT	Position: 113° / 1,546 m Dir: West; Behavior: Slow travel	
		12:12:00 PDT	Blow	
		19:12-GMT	Position: 116° / 1,369 m Dir: West; Behavior: Slow travel	
		12:19:00 PDT	Blow	
		19:19-GMT	Position: 115° / 812 m Dir: West; Behavior: Slow travel	
		12:23:00 PDT	Blow	
		19:23-GMT	Position: 123° / 449 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		12:26:00 PDT	Blow	
		19:26-GMT	Position: 147° / 356 m Dir: West; Behavior: Slow travel	
		12:28:00 PDT	Blow	
		19:28-GMT	Position: 178° / 356 m Dir: West; Behavior: Slow travel	
		12:33:00 PDT	Blow	
		19:33-GMT	Position: 232° / 404 m Dir: West; Behavior: Slow travel	
		12:35:00 PDT	Body	
		19:35-GMT	Position: 239° / 404 m Dir: West; Behavior: Slow travel	
		12:36:00 PDT	Body	
		19:36-GMT	Position: 242° / 404 m Dir: West; Behavior: Slow travel	
		12:38:00 PDT	Blow	
		19:38-GMT	Position: 248° / 449 m Dir: West; Behavior: Slow travel	
		12:42:00 PDT	Blow	
		19:42-GMT	Position: 247° / 505 m Dir: West; Behavior: Slow travel	
		12:44:00 PDT	Blow	
		19:44-GMT	Position: 267° / 607 m Dir: West; Behavior: Slow travel	
		12:51:00 PDT	Blow	Inside /
		19:51-GMT	Position: 275° / 1,778 m Dir: West; Behavior: Slow travel	Through

Apr 27 Total 6 Calves 3
Day 91 of 105

18 Fair - 1 Er Total 2 — 1 Calf at sighting

12:50:00 PDT	Blow	
19:50-GMT	Position: 105° / 505 m Dir: West; Behavior: not indicated	
<i>first saw in kelp, close to shore, went to Sands beach but could not see whales</i>		
12:51:00 PDT	Body	
19:51-GMT	Position: 107° / 378 m Dir: West; Behavior: not indicated	
12:53:00 PDT	Body	
19:53-GMT	Position: 117° / 288 m Dir: West; Behavior: not indicated	
12:58:00 PDT	Body	
19:58-GMT	Position: 194° / 257 m Dir: West; Behavior: not indicated	
12:59:00 PDT	Body	
19:59-GMT	Position: 218° / 232 m Dir: West; Behavior: not indicated	
13:02:00 PDT	Blow	
20:02-GMT	Position: 257° / 346 m Dir: West; Behavior: not indicated	
13:07:00 PDT	ni	Inside / Inside
20:07-GMT	Position: 294° / 1000 m Dir: West; Behavior: not indicated	

21 Fair - 1 Er Total 2 — 1 Calf at sighting

13:55:00 PDT	Blow	
20:55-GMT	Position: 120° / 761 m Dir: West; Behavior: Slow travel	
<i>We observed vessel sighting #17 days earlier harassing otters, and again today they went after the otters and the cow/calf pair of gray whales came along the kelp. The inflatable sped in pursuit and traveled over the whales. It then turned around as whales headed for kelp. The whales went under boat back west with the boat in pursuit very close. At about 185 the boat circled where the whales went down and the whales again changed direction (east). The whales turned again and started inside buoys. The boat forced them east yet again. But they back tracked inside buoys going west again. The boat rushed again and the whales went down. After ten minutes, the boat left and the</i>		

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Blow/Body	Holly/Bouys
		13:57:00 PDT	Body	
		20:57-GMT	Position: 125° / 871 m Dir: West; Behavior: Slow travel	
		13:59:00 PDT	Blow	
		20:59-GMT	Position: 166° / 378 m Dir: West; Behavior: Slow travel	
		14:00:00 PDT	Blow	
		21:00-GMT	Position: 176° / 505 m Dir: East; Behavior: Slow travel	
		14:02:00 PDT	Blow	
		21:02-GMT	Position: 163° / 367 m Dir: Stationary; Behavior: Slow travel	
		<i>Calf leading, boat did donuts around whales, changed directions</i>		
		14:03:00 PDT	Body	
		21:03-GMT	Position: 183° / 378 m Dir: West; Behavior: Slow travel	
		14:05:00 PDT	Blow	
		21:05-GMT	Position: 232° / 390 m Dir: West; Behavior: Slow travel	
		14:06:00 PDT	Blow	
		21:06-GMT	Position: 241° / 390 m Dir: West; Behavior: Slow travel	
		14:08:00 PDT	Blow	
		21:08-GMT	Position: 247° / 466 m Dir: West; Behavior: Slow travel	
		14:11:00 PDT	Blow	
		21:11-GMT	Position: 264° / 578 m Dir: West; Behavior: Slow travel	
		14:12:00 PDT	Blow	
		21:12-GMT	Position: 275° / 466 m Dir: West; Behavior: Slow travel	
		14:14:00 PDT	Blow	
		21:14-GMT	Position: 268° / 390 m Dir: West; Behavior: Slow travel	
		14:15:00 PDT	Blow	
		21:15-GMT	Position: 262° / 433 m Dir: West; Behavior: Slow travel	
		14:16:00 PDT	Blow	
		21:16-GMT	Position: 253° / 449 m Dir: Stationary; Behavior: Slow travel	
		14:17:00 PDT	Body	
		21:17-GMT	Position: 243° / 485 m Dir: East; Behavior: Slow travel	
		14:19:00 PDT	Blow	
		21:19-GMT	Position: 241° / 485 m Dir: West; Behavior: Slow travel	
		14:21:00 PDT	Blow	
		21:21-GMT	Position: 268° / 639 m Dir: West; Behavior: Slow travel	
		14:22:00 PDT	Blow	
		21:22-GMT	Position: 277° / 639 m Dir: West; Behavior: Slow travel	
		14:23:00 PDT	Body	
		21:23-GMT	Position: 285° / 812 m Dir: West; Behavior: Slow travel	
		14:26:00 PDT	Blow	
		21:26-GMT	Position: 297° / 2,094 m Dir: West; Behavior: Slow travel	
		14:30:00 PDT	Blow	Inside / Inside
		21:30-GMT	Position: 299° / 2000 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Bouys
	27	Fair - 1	Er Total 2 — 1 Calf at sighting		
			15:50:00 PDT	Blow	
			22:50-GMT	Position: 116° / 812 m Dir: West; Behavior: Slow travel	
			<i>Calf traveled through kelp, first appeared near otterville, went to Sands beach and saw three big blows by cow</i>		
			15:56:00 PDT	Body	
			22:56-GMT	Position: 147° / 356 m Dir: West; Behavior: Slow travel	
			15:56:00 PDT	Blow	
			22:56-GMT	Position: 147° / 812 m Dir: West; Behavior: Slow travel	
			15:57:00 PDT	Body	
			22:57-GMT	Position: 159° / 356 m Dir: West; Behavior: Slow travel	
			15:57:00 PDT	Blow	
			22:57-GMT	Position: 168° / 295 m Dir: West; Behavior: Slow travel	
			15:58:00 PDT	Body	
			22:58-GMT	Position: 190° / 310 m Dir: West; Behavior: Slow travel	
			16:02:00 PDT	Blow	
			23:02-GMT	Position: 231° / 390 m Dir: West; Behavior: Slow travel	
			16:07:00 PDT	Body	
			23:07-GMT	Position: 243° / 466 m Dir: West; Behavior: Slow travel	
			16:08:00 PDT	Blow	
			23:08-GMT	Position: 251° / 485 m Dir: West; Behavior: Slow travel	
			16:08:00 PDT	Blow	
			23:08-GMT	Position: 255° / 485 m Dir: West; Behavior: Slow travel	
			16:09:00 PDT	Blow	
			23:09-GMT	Position: 260° / 485 m Dir: West; Behavior: Slow travel	
			16:10:00 PDT	Blow	
			23:10-GMT	Position: 265° / 527 m Dir: West; Behavior: Slow travel	
			16:12:00 PDT	Blow	Inside / Inside
			23:12-GMT	Position: 284° / 639 m Dir: West; Behavior: Slow travel	

Apr 29 Total 3 Calves 1
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	08	Poor - 3	Er Total 1 — 0 Calves at sighting		
			10:38:00 PDT	Blow	
			17:38-GMT	Position: 123° / 1,369 m Dir: West; Behavior: Slow travel	
			10:41:00 PDT	Blow	
			17:41-GMT	Position: 125° / 1,369 m Dir: West; Behavior: Slow travel	
			10:46:00 PDT	Blow	
			17:46-GMT	Position: 139° / 1,113 m Dir: West; Behavior: Slow travel	
			10:51:00 PDT	Blow	
			17:51-GMT	Position: 158° / 812 m Dir: West; Behavior: Slow travel	
			10:58:00 PDT	Blow	
			17:58-GMT	Position: 195° / 871 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		11:04:00 PDT	Blow	Inside /
		18:04-GMT	Position: 229° / 1,019 m Dir: West; Behavior: Slow travel	Outside
		<i>regular 3 blows and down</i>		
	09	Fair - 3	Er Total 2 — 1 Calf at sighting	
		11:11:00 PDT	Blow	
		18:11-GMT	Position: 121° / 715 m Dir: West; Behavior: Slow travel	
		<i>Both stuck heads out just outside kelp, blew one more time and disappeared - oil barge in buoys, 2 other vessels with it plus 2 others traveled by</i>		
		11:15:00 PDT	Blow	
		18:15-GMT	Position: 141° / 485 m Dir: West; Behavior: Slow travel	
		11:17:00 PDT	Blow	
		18:17-GMT	Position: 167° / 390 m Dir: West; Behavior: not indicated	
		11:19:00 PDT	Body	
		18:19-GMT	Position: 184° / 378 m Dir: West; Behavior: not indicated	
		11:23:00 PDT	Body	
		18:23-GMT	Position: 234° / 449 m Dir: West	
		<i>Less haze</i>		
		11:29:00 PDT	ni	Inside / ND
		18:29-GMT	Position: 251° / 715 m Dir: West; Behavior: not indicated	
		<i>After spyhops - some blows - disappeared</i>		

Apr 30 Total 9 Calves 4
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	08	Fair - 4	Er Total 2 — 1 Calf at sighting	
		10:22:00 PDT	Body	
		17:22-GMT	Position: 221° / 418 m Dir: West; Behavior: Slow travel	
		<i>Saw whales late 200 degrees + followed inside buoys along surf at Sands toward Ellwood - good looks</i>		
		10:26:00 PDT	Body	
		17:26-GMT	Position: 256° / 505 m Dir: West; Behavior: Slow travel	
		10:27:00 PDT	Body	Inside / Inside
		17:27-GMT	Position: 267° / 551 m Dir: West; Behavior: Slow travel	
	14	Fair - 4	Er Total 2 — 1 Calf at sighting	
		14:18:00 PDT	Body	
		21:18-GMT	Position: 110° / 607 m Dir: West; Behavior: Slow travel	
		<i>Juvenile whale apart from pair; outside and behind (sighting #15) First saw whales in kelp to east - traveled VERY close to Point in waves</i>		
		14:20:00 PDT	ni	
		21:20-GMT	Position: 136° / 715 m Dir: ni; Behavior: Slow travel	
		14:22:00 PDT	ni	
		21:22-GMT	Position: 154° / 275 m Dir: West; Behavior: Slow travel	
		14:26:00 PDT	Blow	
		21:26-GMT	Position: 175° / 288 m Dir: West; Behavior: Slow travel	
		14:28:00 PDT	Blow	
		21:28-GMT	Position: 216° / 275 m Dir: West; Behavior: Slow travel	
		14:32:00 PDT	Blow	
		21:32-GMT	Position: 254° / 404 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		14:34:00 PDT	Blow	
		21:34-GMT	Position: 266° / 367 m Dir: West; Behavior: Slow travel	
		14:37:00 PDT	Blow	Inside / Inside
		21:37-GMT	Position: 286° / 607 m Dir: West; Behavior: not indicated	
	15	Fair - 4	Er Total 1 — 0 Calves at sighting	
		14:20:00 PDT	Blow	
		21:20-GMT	Position: 136° / 715 m Dir: West; Behavior: Slow travel	
		14:29:00 PDT	Blow	
		21:29-GMT	Position: 214° / 433 m Dir: West; Behavior: Slow travel	
		14:31:00 PDT	Blow	
		21:31-GMT	Position: 238° / 578 m Dir: West; Behavior: Slow travel	
		14:35:00 PDT	Blow	Inside /
		21:35-GMT	Position: 256° / 939 m Dir: West; Behavior: Slow travel	Outside
	16	Fair - 4	Er Total 2 — 1 Calf at sighting	
		14:52:00 PDT	Blow	
		21:52-GMT	Position: 169° / 356 m Dir: ni; Behavior: Slow travel	
			<i>Saw in front - very close - in kelp to west both heads came up - not really spyhop</i>	
			<i>Big head/ little head (4 times)</i>	
		14:54:00 PDT	Blow	
		21:54-GMT	Position: 214° / 318 m Dir: West; Behavior: Slow travel	
		14:55:00 PDT	Blow	
		21:55-GMT	Position: 226° / 346 m Dir: West; Behavior: Slow travel	
		14:58:00 PDT	Blow	
		21:58-GMT	Position: 249° / 404 m Dir: West; Behavior: Slow travel	
		15:00:00 PDT	Blow	
		22:00-GMT	Position: 267° / 505 m Dir: West; Behavior: not indicated	
		15:03:00 PDT	Blow	
		22:03-GMT	Position: 284° / 675 m Dir: West; Behavior: not indicated	
		15:05:00 PDT	Blow	Inside / Inside
		22:05-GMT	Position: 297° / 1000 m Dir: West; Behavior: not indicated	
	17	Fair - 3	Er Total 2 — 1 Calf at sighting	
		16:00:00 PDT	Blow	
		23:00-GMT	Position: 103° / 2,094 m Dir: West; Behavior: not indicated	
			<i>Saw at Campus Point many rostrum first blows - head up</i>	
		16:03:00 PDT	Body	
		23:03-GMT	Position: 106° / 2,094 m Dir: West; Behavior: Slow travel	
		16:09:00 PDT	Blow	
		23:09-GMT	Position: 108° / 1,778 m Dir: West; Behavior: not indicated	
		16:16:00 PDT	Body	
		23:16-GMT	Position: 108° / 1,294 m Dir: West; Behavior: not indicated	
		16:28:00 PDT	Body	
		23:28-GMT	Position: 119° / 639 m Dir: West	
			<i>at 92 and 94 rostrum first</i>	
			<i>Momma has a lot of white - blow angled to port</i>	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		16:32:00 PDT	Blow	
		23:32-GMT	Position: 138° / 418 m Dir: West; Behavior: Slow travel	
		16:34:00 PDT	Blow	
		23:34-GMT	Position: 163° / 336 m Dir: West; Behavior: Slow travel	
		16:38:00 PDT	Body	
		23:38-GMT	Position: 214° / 302 m Dir: West; Behavior: Slow travel	
		16:42:00 PDT	Body	
		23:42-GMT	Position: 234° / 404 m Dir: West; Behavior: Slow travel	
		16:47:00 PDT	Blow	
		23:47-GMT	Position: 246° / 433 m Dir: West; Behavior: Slow travel	
		16:50:00 PDT	Body	
		23:50-GMT	Position: 259° / 551 m Dir: West; Behavior: Slow travel	
		16:52:00 PDT	Body	
		23:52-GMT	Position: 275° / 505 m Dir: West; Behavior: Slow travel	
		16:56:00 PDT	Blow	Inside / Inside
		23:56-GMT	Position: 288° / 639 m Dir: West; Behavior: Slow travel	

May 01 Total 10 Calves 5
Day 95 of 105

09 Fair - 2 Er Total 2 — 1 Calf at sighting

10:40:00 PDT	Blow	
17:40-GMT	Position: 112° / 2,094 m Dir: West; Behavior: Slow travel	
<i>Traveling along kelp west of Point - before that off kelp to east of us. Close to shore, slow but steady travel. Clean, smooth appearance. Mom had big blows. Went inside buoys despite presence of barge and tugs.</i>		
10:46:00 PDT	Blow	
17:46-GMT	Position: 114° / 1,546 m Dir: West; Behavior: Slow travel	
10:49:00 PDT	Blow	
17:49-GMT	Position: 123° / 939 m Dir: West; Behavior: Slow travel	
10:54:00 PDT	Blow	
17:54-GMT	Position: 152° / 485 m Dir: West; Behavior: Slow travel	
10:56:00 PDT	Blow	
17:56-GMT	Position: 175° / 449 m Dir: West; Behavior: not indicated	
10:58:00 PDT	Body	
17:58-GMT	Position: 193° / 449 m Dir: West; Behavior: Slow travel	
11:06:00 PDT	Blow	
18:06-GMT	Position: 261° / 675 m Dir: West; Behavior: Slow travel	
11:11:00 PDT	Blow	Inside / Inside
18:11-GMT	Position: 288° / 871 m Dir: West; Behavior: Slow travel	
<i>with oil barge between buoys</i>		

11 Fair - 2 Er Total 2 — 1 Calf at sighting

11:29:00 PDT	Blow	
18:29-GMT	Position: 114° / 1,228 m Dir: West; Behavior: not indicated	
<i>Traveling 50 meters off kelp vague because attention diverted to sighting 12 - may have joined 12 but can't be sure</i>		

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		11:35:00 PDT	Blow	
		18:35-GMT	Position: 132° / 485 m Dir: West; Behavior: not indicated	
		11:38:00 PDT	Blow	
		18:38-GMT	Position: 165° / 449 m Dir: West; Behavior: not indicated	
		11:42:00 PDT	Blow	Inside / ND
		18:42-GMT	Position: 215° / 449 m Dir: West; Behavior: not indicated	
	12	Fair - 2	Er Total 2 — 1 Calf at sighting	
		11:39:00 PDT	Blow	
		18:39-GMT	Position: 210° / 336 m Dir: West; Behavior: not indicated	
			<i>Extra body parts: cal head after cow blow</i>	
			<i>Animals in kelp: west side</i>	
			<i>Cow dark with small white spots - calf white on head - inside buoys along Sands toward Ellwood</i>	
		11:40:00 PDT	Blow	
		18:40-GMT	Position: 240° / 390 m Dir: West; Behavior: not indicated	
		11:42:00 PDT	Blow	
		18:42-GMT	Position: 246° / 390 m Dir: West; Behavior: not indicated	
		11:43:00 PDT	Body	
		18:43-GMT	Position: 249° / 390 m Dir: West; Behavior: not indicated	
		11:45:00 PDT	Body	
		18:45-GMT	Position: 249° / 390 m Dir: West; Behavior: not indicated	
			<i>Mom dark with white spots</i>	
		11:46:00 PDT	Body	
		18:46-GMT	Position: 255° / 404 m Dir: West; Behavior: not indicated	
		11:49:00 PDT	Blow	Inside / Inside
		18:49-GMT	Position: 277° / 639 m Dir: West; Behavior: not indicated	
	18	Fair - 3	Er Total 2 — 1 Calf at sighting	
		15:18:00 PDT	Body	
		22:18-GMT	Position: 141° / 433 m Dir: West; Behavior: Slow travel	
			<i>Streakers- moving quickly through - packed at kelp to west - disappeared in front of buoys with oil barge in place - saw foot prints in front, but no whales - clear water in front of COP could see whales</i>	
		15:21:00 PDT	Blow	
		22:21-GMT	Position: 187° / 295 m Dir: West; Behavior: Slow travel	
		15:24:00 PDT	ni	
		22:24-GMT	Position: 236° / 418 m Dir: West; Behavior: Slow travel	
		15:26:00 PDT	Body	Inside / ND
		22:26-GMT	Position: 250° / 466 m Dir: West; Behavior: Slow travel	
	20	Fair - 3	Er Total 2 — 1 Calf at sighting	
		15:55:00 PDT	Body	
		22:55-GMT	Position: 151° / 404 m Dir: West; Behavior: Slow travel	
			<i>another streaking pair - calf locked into right flank - some simultaneous blows - inside buoy with oil barge in place.</i>	
		15:56:00 PDT	Body	
		22:56-GMT	Position: 170° / 318 m Dir: West; Behavior: Slow travel	
		15:58:00 PDT	Body	
		22:58-GMT	Position: 199° / 295 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		15:59:00 PDT	Blow	
		22:59-GMT	Position: 231° / 336 m Dir: West; Behavior: Slow travel	
		16:00:00 PDT	Blow	
		23:00-GMT	Position: 247° / 346 m Dir: West; Behavior: Slow travel	
		16:02:00 PDT	Body	
		23:02-GMT	Position: 266° / 449 m Dir: West; Behavior: Slow travel	
		16:05:00 PDT	Blow	Inside / Inside
		23:05-GMT	Position: 286° / 607 m Dir: West; Behavior: Slow travel	

May 02 Total 9 Calves 4
Day 96 of 105

06 Fair - 1 Er Total 2 — 1 Calf at sighting

8:55:00 PDT	Blow	
15:55-GMT	Position: 114° / 1,778 m Dir: West; Behavior: Slow travel	
<i>separated by 10 meters at first sighting when both made blows - cow only blew 3 times from Campus Point to buoys calf surfaced many times - only blew with mother.</i>		
9:04:00 PDT	Blow	
16:04-GMT	Position: 145° / 505 m Dir: West; Behavior: Slow travel	
9:08:00 PDT	Body	
16:08-GMT	Position: 199° / 367 m Dir: West; Behavior: Slow travel	
9:10:00 PDT	Body	
16:10-GMT	Position: 236° / 466 m Dir: West; Behavior: Slow travel	
9:12:00 PDT	Body	
16:12-GMT	Position: 263° / 715 m Dir: West; Behavior: Slow travel	
9:15:00 PDT	Blow	Inside /
16:15-GMT	Position: 272° / 871 m Dir: West; Behavior: Slow travel	Through

15 Good - 1 Er Total 2 — 1 Calf at sighting

11:21:00 PDT	Body	
18:21-GMT	Position: 151° / 578 m Dir: West; Behavior: Slow travel	
<i>Originally saw mother first (body); slow travel- moved steadily along, did not see until near point - cow did not blow a lot until at 237 - meandering at kelp- saw calf blows and blowholes; milling in kelp, interaction with vessels, disappeared soon after due to perhaps seeps, buoys or vessels.</i>		
11:25:00 PDT	Body	
18:25-GMT	Position: 206° / 433 m Dir: West; Behavior: Slow travel	
11:29:00 PDT	Blow	
18:29-GMT	Position: 247° / 639 m Dir: West; Behavior: Slow travel	
11:32:00 PDT	Body	
18:32-GMT	Position: 251° / 485 m Dir: West; Behavior: Slow travel	
11:34:00 PDT	Blow	
18:34-GMT	Position: 258° / 527 m Dir: West; Behavior: Slow travel	
11:36:00 PDT	Body	Inside / ND
18:36-GMT	Position: 262° / 607 m Dir: West; Behavior: Slow travel	
<i>surfaced after boat went over then disappeared</i>		

20 Good - 2 Er Total 5 — 2 Calves at sighting

12:53:00 PDT	Blow	
19:53-GMT	Position: 107° / 2,094 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Blow/Body	Holly/Bouys
	12:55:00 PDT		Blow	
	19:55-GMT		Position: 107° / 2,094 m Dir: West; Behavior: Slow travel	
	12:58:00 PDT		Blow	
	19:58-GMT		Position: 113° / 1,546 m Dir: West; Behavior: Slow travel	
	13:04:00 PDT		Blow	
	20:04-GMT		Position: 117° / 1,369 m Dir: West; Behavior: Slow travel	
	13:08:00 PDT		Blow	
	20:08-GMT		Position: 119° / 939 m Dir: West; Behavior: Slow travel	
	13:09:00 PDT	ni		
	20:09-GMT		Position: 122° / 715 m Dir: West; Behavior: Slow travel • Fluke	
	13:14:00 PDT	Body		
	20:14-GMT		Position: 130° / 505 m Dir: West; Behavior: Slow travel	
	13:15:00 PDT	Blow		
	20:15-GMT		Position: 134° / 466 m Dir: West; Behavior: Slow travel	
	13:17:00 PDT	Blow		
	20:17-GMT		Position: 146° / 404 m Dir: West; Behavior: Slow travel	
	13:19:00 PDT	Blow		
	20:19-GMT		Position: 167° / 390 m Dir: West; Behavior: Slow travel	
	13:20:00 PDT	Blow		
	20:20-GMT		Position: 189° / 378 m Dir: West; Behavior: Slow travel	
	13:22:00 PDT	Blow		
	20:22-GMT		Position: 206° / 346 m Dir: West; Behavior: Slow travel	
	13:23:00 PDT	Blow		
	20:23-GMT		Position: 218° / 336 m Dir: West; Behavior: Slow travel	
	13:24:00 PDT	Blow		
	20:24-GMT		Position: 229° / 378 m Dir: West; Behavior: Slow travel	
	13:27:00 PDT	Blow		
	20:27-GMT		Position: 244° / 378 m Dir: West; Behavior: Slow travel	
	13:28:00 PDT	Blow		
	20:28-GMT		Position: 257° / 449 m Dir: West; Behavior: Slow travel	
	13:29:00 PDT	Blow		
	20:29-GMT		Position: 261° / 527 m Dir: West; Behavior: Slow travel	
	13:30:00 PDT	Blow		
	20:30-GMT		Position: 266° / 505 m Dir: West; Behavior: Slow travel	
	13:31:00 PDT	Blow		
	20:31-GMT		Position: 272° / 607 m Dir: West; Behavior: Slow travel	
	13:32:00 PDT	Blow		Inside / Inside
	20:32-GMT		Position: 277° / 578 m Dir: West; Behavior: Slow travel	
		<i>hazier</i>		

May 03 Total 7 Calves 3
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07 Fair - 3 Er Total 1 — 0 Calves at sighting

10:23:00 PDT	Blow
17:23-GMT	Position: 106° / 2,553 m Dir: West; Behavior: Slow travel

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Bouys
			10:27:00 PDT	Blow	
			17:27-GMT	Position: 111° / 1,778 m Dir: West; Behavior: Slow travel	
			10:29:00 PDT	Blow	
			17:29-GMT	Position: 117° / 1,369 m Dir: West; Behavior: Slow travel	
			10:34:00 PDT	Blow	
			17:34-GMT	Position: 125° / 761 m Dir: West; Behavior: Slow travel	
			10:37:00 PDT	Body	
			17:37-GMT	Position: 146° / 505 m Dir: West; Behavior: Slow travel	
			10:40:00 PDT	Blow	Inside / ND
			17:40-GMT	Position: 199° / 404 m Dir: West; Behavior: Slow travel	
13	Fair - 3		Er Total 2 — 1 Calf at sighting		
			12:38:00 PDT	Blow	
			19:38-GMT	Position: 142° / 939 m Dir: West; Behavior: Slow travel	
			<i>Initially, spotted #13 which started to turn around after passing the Point, then #15 came and merged with #13 in the kelp just west of the Point. The two pairs then began rolling, spyhopping, and didn't make progress west but rather seemed to play for about 15 minutes. Headed west, meandering 1.8 the way, and one calf started to breach off of Ellwood.</i>		
			12:45:00 PDT	Body	
			19:45-GMT	Position: 192° / 527 m Dir: West; Behavior: Slow travel	
			12:48:00 PDT	Blow	
			19:48-GMT	Position: 219° / 505 m Dir: West; Behavior: Slow travel	
			12:54:00 PDT	Body	
			19:54-GMT	Position: 225° / 390 m Dir: West; Behavior: Slow travel	
			12:57:00 PDT	Blow	
			19:57-GMT	Position: 232° / 378 m Dir: West; Behavior: Slow travel	
			13:00:00 PDT	Blow	
			20:00-GMT	Position: 230° / 404 m Dir: West; Behavior: Slow travel	
			13:01:00 PDT	Body	
			20:01-GMT	Position: 231° / 433 m Dir: West; Behavior: Slow travel	
			13:03:00 PDT	Blow	
			20:03-GMT	Position: 229° / 433 m Dir: West; Behavior: Slow travel • Fluke	
			13:07:00 PDT	Blow	
			20:07-GMT	Position: 229° / 433 m Dir: West; Behavior: Slow travel	
			13:09:00 PDT	Body	
			20:09-GMT	Position: 234° / 449 m Dir: West; Behavior: Slow travel • Rolling	
			13:14:00 PDT	Blow	
			20:14-GMT	Position: 246° / 505 m Dir: West; Behavior: Slow travel	
			13:16:00 PDT	Blow	
			20:16-GMT	Position: 252° / 466 m Dir: West; Behavior: Slow travel • Rolling	
			13:20:00 PDT	Blow	
			20:20-GMT	Position: 252° / 449 m Dir: West; Behavior: Slow travel • Rolling • Fluke	
			13:22:00 PDT	Body	
			20:22-GMT	Position: 249° / 466 m Dir: West; Behavior: Slow travel	
			13:25:00 PDT	Body	
			20:25-GMT	Position: 252° / 505 m Dir: West; Behavior: Slow travel • Fluke	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Bouys
			13:27:00 PDT	Body	
			20:27-GMT	Position: 253° / 505 m Dir: West; Behavior: Slow travel	
			13:30:00 PDT	Body	
			20:30-GMT	Position: 261° / 466 m Dir: West; Behavior: Slow travel	
			13:31:00 PDT	Body	
			20:31-GMT	Position: 264° / 527 m Dir: West; Behavior: Slow travel	
			13:33:00 PDT	Body	
			20:33-GMT	Position: 272° / 675 m Dir: West; Behavior: Slow travel	
			13:36:00 PDT	Blow	
			20:36-GMT	Position: 279° / 761 m Dir: West; Behavior: Slow travel	
			13:39:00 PDT	Blow	Inside / Inside
			20:39-GMT	Position: 285° / 871 m Dir: West; Behavior: Slow travel	
	15	Fair - 3	Er Total 2 — 1 Calf at sighting		
			13:04:00 PDT	Body	
			20:04-GMT	Position: 147° / 505 m Dir: West; Behavior: Slow travel	
			13:07:00 PDT	Blow	
			20:07-GMT	Position: 178° / 367 m Dir: West; Behavior: Slow travel	
			13:11:00 PDT	Body	Inside / Inside
			20:11-GMT	Position: 229° / 449 m Dir: West; Behavior: Slow travel	
			<i>merged with sight #13 @ 1314</i>		
	19	Fair - 1	Er Total 2 — 1 Calf at sighting		
			14:54:00 PDT	Blow	
			21:54-GMT	Position: 105° / 1,369 m Dir: West; Behavior: Slow travel	
			<i>first appeared in kelp, went to Sands and could not see cow/calf pair any longer</i>		
			14:56:00 PDT	Blow	
			21:56-GMT	Position: 103° / 1,228 m Dir: West; Behavior: Slow travel	
			14:58:00 PDT	Body	
			21:58-GMT	Position: 108° / 871 m Dir: West; Behavior: Slow travel	
			15:03:00 PDT	Blow	
			22:03-GMT	Position: 130° / 551 m Dir: West; Behavior: Slow travel	
			15:06:00 PDT	Blow	
			22:06-GMT	Position: 164° / 336 m Dir: West; Behavior: Slow travel	
			<i>sighted in Kelp</i>		
			15:07:00 PDT	Blow	
			22:07-GMT	Position: 177° / 356 m Dir: West; Behavior: Slow travel	
			15:09:00 PDT	Body	
			22:09-GMT	Position: 191° / 327 m Dir: West; Behavior: Slow travel	
			15:14:00 PDT	Body	
			22:14-GMT	Position: 281° / 871 m Dir: West; Behavior: Slow travel	

May 04 Total 1 Calves 0
Day 98 of 105

20	Good - 3	Er Total 1 — 0 Calves at sighting			
			16:31:00 PDT	Blow	
			23:31-GMT	Position: 156° / 639 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		16:36:00 PDT	Blow	
		23:36-GMT	Position: 192° / 505 m Dir: West; Behavior: Slow travel	
		16:40:00 PDT	Blow	Inside / ND
		23:40-GMT	Position: 231° / 607 m Dir: West; Behavior: Slow travel	

May 05 Total 6 Calves 3
Day 99 of 105

15 Fair - 1 **Er Total 2 — 1 Calf at sighting**

11:38:00 PDT	Blow	
18:38-GMT	Position: 109° / 1,294 m Dir: West; Behavior: Slow travel	
<i>First saw in kelp - calf came up next to Otterville - traveled by us mostly just under surface - hesitated at Kelp to our right - inside buoys</i>		
11:41:00 PDT	Body	
18:41-GMT	Position: 112° / 1,113 m Dir: West; Behavior: Slow travel	
11:48:00 PDT	Blow	
18:48-GMT	Position: 152° / 356 m Dir: West; Behavior: Slow travel	
11:52:00 PDT	Body	
18:52-GMT	Position: 210° / 310 m Dir: West; Behavior: Slow travel	
11:54:00 PDT	Blow	
18:54-GMT	Position: 238° / 433 m Dir: West; Behavior: Slow travel	
12:01:00 PDT	Blow	Inside / Inside
19:01-GMT	Position: 279° / 675 m Dir: West; Behavior: Slow travel	

17 Fair - 1 **Er Total 2 — 1 Calf at sighting**

13:05:00 PDT	Blow	
20:05-GMT	Position: 182° / 485 m Dir: West; Behavior: Slow travel	
<i>Appeared in front of us- disturbance in water, then calf, then cow surfaced stalled in kelp to west, then took off through buoys - calf head in Kelp</i>		
13:09:00 PDT	Body	
20:09-GMT	Position: 222° / 551 m Dir: West; Behavior: Slow travel	
13:12:00 PDT	Body	
20:12-GMT	Position: 237° / 466 m Dir: West; Behavior: Slow travel	
13:21:00 PDT	Body	Inside /
20:21-GMT	Position: 275° / 1,369 m Dir: West; Behavior: Slow travel	Through

20 Fair - 3 **Er Total 2 — 1 Calf at sighting**

16:34:00 PDT	Blow	
23:34-GMT	Position: 105° / 1,778 m Dir: West; Behavior: Slow travel	
16:38:00 PDT	Blow	
23:38-GMT	Position: 115° / 1,369 m Dir: West; Behavior: Slow travel	
16:41:00 PDT	Blow	
23:41-GMT	Position: 118° / 871 m Dir: West; Behavior: Slow travel	
16:45:00 PDT	Blow	
23:45-GMT	Position: 126° / 871 m Dir: West; Behavior: Slow travel	
16:51:00 PDT	Blow	
23:51-GMT	Position: 173° / 327 m Dir: West; Behavior: Slow travel	
16:52:00 PDT	Blow	
23:52-GMT	Position: 186° / 327 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		16:54:00 PDT	Blow	
		23:54-GMT	Position: 224° / 404 m Dir: West; Behavior: Slow travel	
		16:59:00 PDT	Blow	
		23:59-GMT	Position: 257° / 607 m Dir: West; Behavior: Slow travel	
		17:01:00 PDT	Blow	Inside / Inside
		0:01;	Position: 281° / 715 m Dir: West; Behavior: Slow travel	
		5/6/2008-GMT		

May 06 Total 5 Calves 2
Day 100 of 105

01 Poor - 4 **Er Total 2 — 1 Calf at sighting**

9:48:00 PDT	Blow	
16:48-GMT	Position: 101° / 2,553 m Dir: West; Behavior: Slow travel	
	<i>Calf not doing anything very noticeable, sea conditions very difficult so it didn't have much opportunity.</i>	
10:06:00 PDT	Blow	
17:06-GMT	Position: 103° / 2,094 m Dir: West; Behavior: Slow travel	
10:12:00 PDT	Blow	
17:12-GMT	Position: 107° / 2,094 m Dir: West; Behavior: Slow travel	
10:17:00 PDT	Blow	
17:17-GMT	Position: 113° / 1,778 m Dir: West; Behavior: Slow travel	
10:30:00 PDT	ni	
17:30-GMT	Position: 110° / 1,369 m Dir: West; Behavior: Slow travel	
10:33:00 PDT	Blow	
17:33-GMT	Position: 115° / 1,228 m Dir: West; Behavior: Slow travel	
10:41:00 PDT	Blow	
17:41-GMT	Position: 148° / 378 m Dir: West; Behavior: Slow travel	
10:43:00 PDT	Body	
17:43-GMT	Position: 177° / 327 m Dir: West; Behavior: Slow travel	
10:47:00 PDT	Body	
17:47-GMT	Position: 236° / 404 m Dir: West; Behavior: Slow travel	
10:51:00 PDT	Blow	
17:51-GMT	Position: 271° / 551 m Dir: West; Behavior: Slow travel	
10:56:00 PDT	Blow	Inside / Inside
17:56-GMT	Position: 292° / 871 m Dir: West; Behavior: Slow travel	

10 Fair - 1 **Er Total 3 — 1 Calf at sighting**

16:32:00 PDT	Blow	
23:32-GMT	Position: 104° / 2,553 m Dir: West; Behavior: Slow travel	
	<i>whales hung out at Campus Point - joined by Tt 2 large whales with calf on outside.</i>	
16:35:00 PDT	Blow	
23:35-GMT	Position: 106° / 2,553 m Dir: West; Behavior: Slow travel	
16:39:00 PDT	Blow	
23:39-GMT	Position: 106° / 2,553 m Dir: West; Behavior: Slow travel	
16:41:00 PDT	Blow	
23:41-GMT	Position: 108° / 1,778 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Bouys
			16:45:00 PDT	Blow	
			23:45-GMT	Position: 111° / 1,369 m Dir: West; Behavior: Slow travel	
			16:46:00 PDT	Blow	
			23:46-GMT	Position: 112° / 1,228 m Dir: West; Behavior: Slow travel	
			16:53:00 PDT	Blow	
			23:53-GMT	Position: 116° / 715 m Dir: West; Behavior: Slow travel	
			16:58:00 PDT	Blow	
			23:58-GMT	Position: 131° / 505 m Dir: West; Behavior: Slow travel	
			17:00:00 PDT	Blow	
			0:00; 5/7/2008-GMT	Position: 151° / 390 m Dir: West; Behavior: Slow travel	
			17:04:00 PDT	Blow	
			0:04; 5/7/2008-GMT	Position: 198° / 302 m Dir: West; Behavior: Slow travel	
			17:06:00 PDT	Body	
			0:06; 5/7/2008-GMT	Position: 242° / 418 m Dir: West; Behavior: Slow travel	
			17:11:00 PDT	Body	
			0:11; 5/7/2008-GMT	Position: 279° / 607 m Dir: West; Behavior: Slow travel	
			17:14:00 PDT	Body	Inside / Inside
			0:14; 5/7/2008-GMT	Position: 289° / 715 m Dir: West; Behavior: Slow travel	

May 07 Total 2 Calves 1
Day 101 of 105

06	Fair - 2	Er Total 2 — 1 Calf at sighting
		9:08:00 PDT Blow
		16:08-GMT Position: 104° / 2,553 m Dir: West; Behavior: Slow travel
		<i>blows at Campus Point - did not move forward for a while - then showed up in front of us (bodies) - moved closer then away and disappeared Oil Barge between buoys.</i>
		9:19:00 PDT Blow
		16:19-GMT Position: 105° / 2,094 m Dir: West; Behavior: Slow travel
		9:44:00 PDT Body
		16:44-GMT Position: 184° / 449 m Dir: West; Behavior: Slow travel
		9:47:00 PDT ni
		16:47-GMT Position: 212° / 302 m Dir: West; Behavior: Slow travel
		9:52:00 PDT ni
		16:52-GMT Position: 219° / 404 m Dir: West; Behavior: Slow travel

May 08 Total 8 Calves 4
Day 102 of 105

04	Fair - 1	Er Total 2 — 1 Calf at sighting
		9:12:00 PDT Blow
		16:12-GMT Position: 139° / 505 m Dir: West; Behavior: Slow travel
		<i>quiet, early morning pair calf popped up between cow breaths cow had big, white patch on right side.</i>
		9:15:00 PDT Blow
		16:15-GMT Position: 164° / 404 m Dir: West; Behavior: Slow travel

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		9:19:00 PDT	Body	
		16:19-GMT	Position: 224° / 433 m Dir: West; Behavior: Slow travel	
		9:26:00 PDT	Blow	Inside / Inside
		16:26-GMT	Position: 284° / 761 m Dir: West; Behavior: Slow travel	
	06	Good - 3	Er Total 2 — 1 Calf at sighting	
		9:48:00 PDT	Body	
		16:48-GMT	Position: 128° / 551 m Dir: West; Behavior: Slow travel	
			<i>calm - calf up many times - traveled toward Ellwood</i>	
		9:50:00 PDT	Body	
		16:50-GMT	Position: 144° / 356 m Dir: West; Behavior: Slow travel	
		9:50:00 PDT	Body	
		16:50-GMT	Position: 151° / 378 m Dir: West; Behavior: Slow travel	
		9:51:00 PDT	Body	
		16:51-GMT	Position: 162° / 310 m Dir: West; Behavior: Slow travel	
		9:52:00 PDT	Body	
		16:52-GMT	Position: 186° / 327 m Dir: West; Behavior: Slow travel	
			<i>in very close to shore</i>	
		9:53:00 PDT	Body	
		16:53-GMT	Position: 208° / 327 m Dir: West; Behavior: Slow travel	
		9:54:00 PDT	Blow	
		16:54-GMT	Position: 224° / 288 m Dir: West; Behavior: Slow travel	
		9:57:00 PDT	Blow	
		16:57-GMT	Position: 247° / 551 m Dir: West; Behavior: Slow travel	
		10:00:00 PDT	Blow	
		17:00-GMT	Position: 276° / 607 m Dir: West; Behavior: Slow travel	
		10:02:00 PDT	Blow	Inside / Inside
		17:02-GMT	Position: 293° / 715 m Dir: West; Behavior: Slow travel	
	10	Good - 2	Er Total 2 — 1 Calf at sighting	
		11:15:00 PDT	Body	
		18:15-GMT	Position: 196° / 607 m Dir: West; Behavior: Slow travel	
			<i>Had noted very active seeps. Was looking at 180 seep when calf popped up, followed by cow - did not see again - lots of seep activity - lots of oil in water.</i>	
	17	Good - 1	Er Total 2 — 1 Calf at sighting	
		15:09:00 PDT	Blow	
		22:09-GMT	Position: 106° / 1,778 m Dir: West; Behavior: Slow travel	
			<i>Awkward "bucking" into waves right in front of point; very frequent surfacing, maybe a result of highly active oil seeps today</i>	
		15:13:00 PDT	Blow	
		22:13-GMT	Position: 113° / 1,228 m Dir: West; Behavior: Slow travel	
		15:16:00 PDT	Body	
		22:16-GMT	Position: 120° / 1,019 m Dir: West; Behavior: Slow travel	
		15:22:00 PDT	Blow	
		22:22-GMT	Position: 146° / 449 m Dir: West; Behavior: Slow travel	
		15:29:00 PDT	Blow	
		22:29-GMT	Position: 224° / 527 m Dir: West; Behavior: Slow travel	

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Bouys
		Time	Blow/Body	
		15:31:00 PDT	Blow	
		22:31-GMT	Position: 247° / 607 m Dir: West; Behavior: Slow travel	
		15:32:00 PDT	Blow	
		22:32-GMT	Position: 258° / 675 m Dir: West; Behavior: Slow travel	
		15:34:00 PDT	Blow	
		22:34-GMT	Position: 267° / 761 m Dir: West; Behavior: Slow travel	
		15:38:00 PDT	Blow	Inside / Inside
		22:38-GMT	Position: 276° / 1,228 m Dir: West; Behavior: Slow travel	

May 10 Total 4 Calves 2
Day 104 of 105

03 Poor - 1 **Er Total 2 — 1 Calf at sighting**

9:10:00 PDT	Blow
16:10-GMT	Position: 99° / 2,872 m Dir: West; Behavior: Slow travel
<i>Condor reported pair other side of Campus Point - we sighted Er just as they came past Point - small boat on whales - did not see for some time (small boat lost whales and scattered otters) - bubble blast @ 0946.</i>	
9:39:00 PDT	Body
16:39-GMT	Position: 133° / 578 m Dir: West; Behavior: Slow travel
9:44:00 PDT	Blow
16:44-GMT	Position: 172° / 404 m Dir: West; Behavior: Slow travel
9:46:00 PDT	ni
16:46-GMT	Position: 203° / 378 m Dir: West; Behavior: Slow travel
9:49:00 PDT	Body
16:49-GMT	Position: 231° / 449 m Dir: West; Behavior: Slow travel • Bubbles seen
9:51:00 PDT	Body
16:51-GMT	Position: 237° / 466 m Dir: West; Behavior: Slow travel
9:52:00 PDT	Blow
16:52-GMT	Position: 254° / 578 m Dir: West; Behavior: Slow travel
9:57:00 PDT	Blow
16:57-GMT	Position: 282° / 812 m Dir: West; Behavior: Slow travel

08 Fair - 0 **Er Total 2 — 1 Calf at sighting**

16:00:00 PDT	Blow
23:00-GMT	Position: 97° / 2,872 m Dir: West; Behavior: Slow travel
<i>Saw whales came around Campus Point with Speed Twin - boat too close and facing against kelp- calf frequent blows - head up @ 1612 near Kelp - in waves @ Sands</i>	
16:05:00 PDT	Blow
23:05-GMT	Position: 101° / 2,872 m Dir: West; Behavior: Slow travel
16:08:00 PDT	Blow
23:08-GMT	Position: 103° / 2,553 m Dir: West; Behavior: Slow travel
16:12:00 PDT	Body
23:12-GMT	Position: 106° / 2,094 m Dir: West; Behavior: Slow travel
16:18:00 PDT	Blow
23:18-GMT	Position: 110° / 1,778 m Dir: West; Behavior: Slow travel
16:22:00 PDT	Blow
23:22-GMT	Position: 116° / 1,228 m Dir: West; Behavior: Slow travel

2008 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Blow/Body	Holly/Bouys
		Time		
		16:26:00 PDT	Blow	
		23:26-GMT	Position: 118° / 871 m Dir: West; Behavior: Slow travel • Fluke	
		16:30:00 PDT	Blow	
		23:30-GMT	Position: 131° / 505 m Dir: West; Behavior: Slow travel	
		16:34:00 PDT	Body	
		23:34-GMT	Position: 174° / 310 m Dir: West; Behavior: Slow travel	
		16:36:00 PDT	Blow	
		23:36-GMT	Position: 194° / 288 m Dir: West; Behavior: Slow travel	
		16:41:00 PDT	Blow	
		23:41-GMT	Position: 243° / 485 m Dir: West; Behavior: Slow travel	
		16:45:00 PDT	Blow	Inside / Inside
		23:45-GMT	Position: 274° / 675 m Dir: West; Behavior: Slow travel	
			<i>along sands</i>	