



2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Total: 520 Calves: 33 Number of Sightings: 288

Daily Totals	Sighting Number	Calves	Sighting Quality - Beau Time	Blow/Body	Holly/Buoys
Feb 02 Day 1 of 105	Total 1	Calves 0	Er Gray whale (northbound)		
	01		Good-0	Er Total 1 — 0 Calves at sighting	
			9:12:00 PST	Blow	
			17:12-GMT	Position: 240° / 433 m Dir: West; Behavior: Slow travel <i>sea lions around whale</i>	
			9:17:00 PST	Blow	Inside /
			17:17-GMT	Position: 258° / 761 m Dir: West; Behavior: Slow travel	Outside
Feb 03 Day 2 of 105	Total 2	Calves 0	Er Gray whale (northbound)		
	12		Good-0	Er Total 1 — 0 Calves at sighting	
			13:13:00 PST	Blow	
			21:13-GMT	Position: 233° / 840 m Dir: West; Behavior: Slow travel • Fluke	
			13:21:00 PST	Blow	Inside /
			21:21-GMT	Position: 254° / 1,294 m Dir: West; Behavior: Slow travel • Fluke	Outside
	17		Good-2	Er Total 1 — 0 Calves at sighting	
			16:54:00 PST	Body	
			0:54; 2/4/2009-GMT	Position: 148° / 812 m Dir: West; Behavior: Slow travel • Fluke	
			17:00:00 PST	Blow	Inside /
			1:00; 2/4/2009-GMT	Position: 210° / 466 m Dir: West; Behavior: Slow travel • Fluke	Outside
Feb 04 Day 3 of 105	Total 2	Calves 0	Er Gray whale (northbound)		
	01		Good-2	Er Total 1 — 0 Calves at sighting	
			9:39:00 PST	Blow	
			17:39-GMT	Position: 183° / 1,369 m Dir: West; Behavior: Slow travel • Fluke	

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.

part of **2009 Gray Whales Count, Survey Report** © Gray Whales Count, 2016,
prepared by Michael H Smith, Project Coordinator, Gray Whales Count, Santa Barbara, California, USA.

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2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Buoys
		Time	Blow/Body	
		9:48:00 PST	Blow	
		17:48-GMT	Position: 179° / 1,228 m Dir: East; Behavior: Slow travel • Fluke	
		9:54:00 PST	Blow	
		17:54-GMT	Position: 175° / 1,369 m Dir: East; Behavior: Slow travel • Fluke <i>back + forth ... feeding?</i>	
		10:01:00 PST	Blow	
		18:01-GMT	Position: 185° / 1,369 m Dir: West; Behavior: Slow travel • Fluke	
		10:23:00 PST	Blow	
		18:23-GMT	Position: 200° / 1,369 m Dir: West; Behavior: Slow travel	
		10:34:00 PST	Blow	
		18:34-GMT	Position: 175° / 1,113 m Dir: North; Behavior: Slow travel • Fluke	
		10:40:00 PST	Blow	
		18:40-GMT	Position: 197° / 761 m Dir: West; Behavior: Slow travel	
		10:45:00 PST	Blow	Inside /
		18:45-GMT	Position: 216° / 812 m Dir: West; Behavior: Slow travel <i>back + forth ... feeding?</i>	Outside
	23	Fair-2	Er Total 1 — 0 Calves at sighting	
		16:58:00 PST	Blow	
		0:58; 2/5/2009-GMT	Position: 148° / 1,546 m Dir: West; Behavior: Slow travel	
		16:59:00 PST	Blow	NI / NI
		0:59; 2/5/2009-GMT	Position: 153° / 1,294 m Dir: West; Behavior: Slow travel • Fluke	
Feb 08	Total 1	Calves 0	Er Gray whale (northbound)	
Day 7 of 105				
	13	Fair-4	Er Total 1 — 0 Calves at sighting	
		13:26:00 PST	Blow	
		21:26-GMT	Position: 124° / 840 m Dir: West; Behavior: Slow travel	
		13:31:00 PST	Blow	
		21:31-GMT	Position: 155° / 551 m Dir: West; Behavior: Slow travel	
		13:33:00 PST	Blow	
		21:33-GMT	Position: 168° / 527 m Dir: West; Behavior: Slow travel	
		13:35:00 PST	Blow	
		21:35-GMT	Position: 197° / 485 m Dir: West; Behavior: Slow travel	
		13:40:00 PST	Blow	Inside / ND
		21:40-GMT	Position: 248° / 675 m Dir: West; Behavior: Slow travel <i>barge between buoys</i>	
Feb 11	Total 6	Calves 0	Er Gray whale (northbound)	
Day 10 of 105				
	15	Poor-0	Er Total 2 — 0 Calves at sighting	
		14:17:00 PST	Body	
		22:17-GMT	Position: 208° / 1,019 m Dir: West; Behavior: Slow travel	
		14:28:00 PST	ni	
		22:28-GMT	Position: 241° / 1,546 m Dir: West; Behavior: Slow travel	
		14:29:00 PST	Blow	NI / NI
		22:29-GMT	Position: 245° / 1,369 m Dir: West; Behavior: Slow travel • Fluke	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau Time	Blow/Body	Holly/Buoys
	22	Fair-0	Er Total 2 — 0 Calves at sighting	
		15:32:00 PST	Blow	
		23:32-GMT	Position: 184° / 2,872 m Dir: West; Behavior: Slow travel	
		15:35:00 PST	Blow	
		23:35-GMT	Position: 188° / 2,872 m Dir: West; Behavior: Slow travel	
		15:40:00 PST	Blow	
		23:40-GMT	Position: 193° / 2,872 m Dir: West; Behavior: Slow travel	
		15:43:00 PST	Blow	
		23:43-GMT	Position: 197° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
		15:47:00 PST	Blow	
		23:47-GMT	Position: 201° / 2,872 m Dir: West; Behavior: Slow travel	
		15:50:00 PST	Blow	
		23:50-GMT	Position: 204° / 2,553 m Dir: West; Behavior: Slow travel	
		15:52:00 PST	Blow	
		23:52-GMT	Position: 206° / 2,553 m Dir: West; Behavior: Slow travel	
		15:59:00 PST	Blow	
		23:59-GMT	Position: 217° / 2,553 m Dir: West; Behavior: Slow travel	
		16:06:00 PST	Blow	
		0:06; 2/12/2009-GMT	Position: 222° / 2,872 m Dir: West; Behavior: Slow travel • Rolling	
		16:11:00 PST	Blow	Outside /
		0:11; 2/12/2009-GMT	Position: 228° / 2,872 m Dir: West; Behavior: Slow travel	Outside
	25	Fair-0	Er Total 2 — 0 Calves at sighting	
		16:34:00 PST	Blow	
		0:34; 2/12/2009-GMT	Position: 183° / 2,094 m Dir: West; Behavior: Slow travel • Rolling	
		16:36:00 PST	Blow	
		0:36; 2/12/2009-GMT	Position: 189° / 1,778 m Dir: West; Behavior: Slow travel	
		16:42:00 PST	Blow	
		0:42; 2/12/2009-GMT	Position: 203° / 2,094 m Dir: West; Behavior: Slow travel	
		16:45:00 PST	Blow	
		0:45; 2/12/2009-GMT	Position: 209° / 1,778 m Dir: West; Behavior: Slow travel • Rolling	
		16:49:00 PST	Blow	
		0:49; 2/12/2009-GMT	Position: 217° / 1,778 m Dir: West; Behavior: Slow travel • Rolling	
		16:53:00 PST	Blow	
		0:53; 2/12/2009-GMT	Position: 222° / 1,778 m Dir: West; Behavior: Slow travel • Rolling	
		16:57:00 PST	Blow	
		0:57; 2/12/2009-GMT	Position: 229° / 1,778 m Dir: West; Behavior: Slow travel • Rolling	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Buoys
		Time	Blow/Body	
		16:59:00 PST	Blow	Inside /
		0:59; 2/12/2009-GMT	Position: 233° / 1,778 m Dir: West; Behavior: Slow travel	Outside

Feb 14 Total 2 Calves 0
Day 13 of 105 Er Gray whale (northbound)

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

9:00:00 PST	Blow	
17:00-GMT	Position: 110° / 2,553 m Dir: West; Behavior: Slow travel	
<i>Strong + many blows at Campus Point</i>		
9:07:00 PST	Blow	
17:07-GMT	Position: 112° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
9:19:00 PST	ni	
17:19-GMT	Position: 146° / 812 m Dir: West; Behavior: Slow travel	
9:26:00 PST	Blow	
17:26-GMT	Position: 205° / 939 m Dir: West; Behavior: Slow travel	
<i>Long downtime across Counter Point</i>		
9:32:00 PST	Body	
17:32-GMT	Position: 243° / 939 m Dir: West; Behavior: Slow travel	
9:38:00 PST	Blow	
17:38-GMT	Position: 256° / 1,778 m Dir: West; Behavior: Slow travel	
9:42:00 PST	Blow	Inside /
17:42-GMT	Position: 261° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	Outside
<i>fewer blows once whales got in front of us</i>		

Feb 17 Total 7 Calves 0
Day 16 of 105 Er Gray whale (northbound)

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

10:06:00 PST	Blow	
18:06-GMT	Position: 168° / 1,019 m Dir: West; Behavior: Slow travel	
10:09:00 PST	Blow	
18:09-GMT	Position: 186° / 1,019 m Dir: West; Behavior: Slow travel	
10:11:00 PST	Blow	
18:11-GMT	Position: 204° / 871 m Dir: West; Behavior: Slow travel	
10:14:00 PST	Blow	
18:14-GMT	Position: 219° / 1,019 m Dir: West; Behavior: Slow travel	
10:20:00 PST	Blow	Inside /
18:20-GMT	Position: 247° / 1,369 m Dir: West; Behavior: Slow travel	Outside
<i>elusive Er</i>		

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

10:41:00 PST	Blow	
18:41-GMT	Position: 131° / 715 m Dir: West; Behavior: Slow travel	
10:44:00 PST	Blow	ND / ND
18:44-GMT	Position: 153° / 607 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting	Quality - Beau	Blow/Body	Holly/Buoys
	Number	Time		
	12	Fair-4	Er Total 5 — 0 Calves at sighting	
		12:28:00 PST	Blow	
		20:28-GMT	Position: 153° / 1,228 m Dir: West; Behavior: Slow travel	
		12:29:00 PST	Blow	
		20:29-GMT	Position: 160° / 1,228 m Dir: West; Behavior: Slow travel	
		12:37:00 PST	Blow	
		20:37-GMT	Position: 172° / 871 m Dir: West; Behavior: Slow travel	
		12:38:00 PST	Blow	
		20:38-GMT	Position: 183° / 675 m Dir: West; Behavior: Slow travel	
		12:39:00 PST	Blow	
		20:39-GMT	Position: 196° / 939 m Dir: West; Behavior: Slow travel • Fluke	
		12:41:00 PST	Blow	
		20:41-GMT	Position: 203° / 840 m Dir: West; Behavior: Slow travel • Fluke	
		12:45:00 PST	Blow	
		20:45-GMT	Position: 234° / 1,369 m Dir: West; Behavior: Slow travel	
		12:49:00 PST	Blow	
		20:49-GMT	Position: 236° / 1,778 m Dir: West; Behavior: Slow travel	
		12:49:00 PST	Blow	Inside /
		20:49-GMT	Position: 242° / 1,778 m Dir: West; Behavior: Slow travel	Outside
Feb 18	Total 8	Calves 0	Er Gray whale (northbound)	
Day 17 of 105				
	21	Good-1	Er Total 3 — 0 Calves at sighting	
		11:09:00 PST	Blow	
		19:09-GMT	Position: 112° / 3,288 m Dir: West; Behavior: Slow travel	
		11:16:00 PST	Blow	
		19:16-GMT	Position: 115° / 2,872 m Dir: West; Behavior: Slow travel	
		11:20:00 PST	Blow	
		19:20-GMT	Position: 116° / 2,872 m Dir: West; Behavior: Slow travel	
		11:22:00 PST	Blow	
		19:22-GMT	Position: 118° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
		11:29:00 PST	Blow	
		19:29-GMT	Position: 123° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
		11:39:00 PST	Blow	
		19:39-GMT	Position: 136° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
		11:50:00 PST	Blow	
		19:50-GMT	Position: 158° / 1,369 m Dir: West; Behavior: Slow travel • Fluke	
		11:59:00 PST	Blow	
		19:59-GMT	Position: 200° / 1,369 m Dir: West; Behavior: Slow travel • Fluke	
		12:10:00 PST	Body	Inside /
		20:10-GMT	Position: 239° / 2,872 m Dir: West; Behavior: Slow travel	Outside
	23	Good-1	Er Total 2 — 0 Calves at sighting	
		11:35:00 PST	Body	
		19:35-GMT	Position: 115° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting	Quality - Beau	Blow/Body	Holly/Buoys
	Number	Time		
		12:09:00 PST	Blow	
		20:09-GMT	Position: 144° / 3,288 m Dir: West; Behavior: Slow travel	
		12:16:00 PST	Blow	
		20:16-GMT	Position: 150° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	
		12:28:00 PST	Blow	
		20:28-GMT	Position: 166° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
		12:38:00 PST	Blow	
		20:38-GMT	Position: 185° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
		12:48:00 PST	Blow	
		20:48-GMT	Position: 211° / 2,553 m Dir: West; Behavior: Slow travel	
		12:53:00 PST	Blow	
		20:53-GMT	Position: 219° / 2,094 m Dir: West; Behavior: Slow travel	
		12:55:00 PST	Blow	Outside /
		20:55-GMT	Position: 225° / 2,094 m Dir: West; Behavior: Slow travel	Outside
		<i>perhaps reticle reading was not correct</i>		
35	Good-1	Er Total 2 — 0 Calves at sighting		
		14:25:00 PST	Body	
		22:25-GMT	Position: 228° / 3,288 m Dir: West; Behavior: Slow travel • Breach • Fluke	
		14:30:00 PST	Blow	
		22:30-GMT	Position: 234° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	
		14:36:00 PST	Blow	Outside /
		22:36-GMT	Position: 239° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	Outside
37	Good-1	Er Total 1 — 0 Calves at sighting		
		14:54:00 PST	Blow	
		22:54-GMT	Position: 206° / 1,019 m Dir: West; Behavior: Slow travel	
		15:03:00 PST	Blow	Inside /
		23:03-GMT	Position: 234° / 1,294 m Dir: West; Behavior: Slow travel	Through
Feb 19	Total 5	Calves 0	Er Gray whale (northbound)	
	Day 18 of 105			
09	Fair-2	Er Total 2 — 0 Calves at sighting		
		9:52:00 PST	Blow	
		17:52-GMT	Position: 104° / 2,553 m Dir: West; Behavior: Slow travel	
		9:58:00 PST	Blow	
		17:58-GMT	Position: 107° / 2,553 m Dir: West; Behavior: Slow travel	
		10:03:00 PST	Blow	
		18:03-GMT	Position: 111° / 2,553 m Dir: West; Behavior: Slow travel	
		10:05:00 PST	Blow	
		18:05-GMT	Position: 113° / 1,778 m Dir: West; Behavior: Slow travel	
		10:09:00 PST	Blow	
		18:09-GMT	Position: 121° / 1,294 m Dir: West; Behavior: Slow travel	
		10:15:00 PST	Blow	
		18:15-GMT	Position: 153° / 840 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Buoys
		Time	Blow/Body	
		10:19:00 PST	Blow	
		18:19-GMT	Position: 181° / 675 m Dir: West; Behavior: Slow travel	
		10:22:00 PST	Body	
		18:22-GMT	Position: 210° / 812 m Dir: West; Behavior: Slow travel	
		10:28:00 PST	Body	Inside /
		18:28-GMT	Position: 241° / 1,228 m Dir: West; Behavior: Slow travel	Outside
		<i>traveled under SV#7</i>		
20	Good-2	Er Total 3 — 0 Calves at sighting		
		14:39:00 PST	Body	
		22:39-GMT	Position: 206° / 639 m Dir: West; Behavior: Slow travel • Fluke	
		14:50:00 PST	Blow	
		22:50-GMT	Position: 258° / 1,369 m Dir: West; Behavior: Slow travel • Fluke	
		15:03:00 PST	Blow	Inside /
		23:03-GMT	Position: 277° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	Outside
Feb 20	Total 8 Calves 0	Er Gray whale (northbound)		
	Day 19 of 105			
01	Poor-0	Er Total 2 — 0 Calves at sighting		
		8:56:00 PST	Blow	
		16:56-GMT	Position: 143° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
		9:04:00 PST	Blow	
		17:04-GMT	Position: 157° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
		9:14:00 PST	Body	
		17:14-GMT	Position: 190° / 2,094 m Dir: West; Behavior: Slow travel	
		9:23:00 PST	Body	ND / ND
		17:23-GMT	Position: 223° / 2,094 m Dir: West; Behavior: Slow travel	
08	Poor-0	Er Total 1 — 0 Calves at sighting		
		10:12:00 PST	Blow	
		18:12-GMT	Position: 109° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
		10:19:00 PST	ni	
		18:19-GMT	Position: 124° / 1,369 m Dir: West; Behavior: Slow travel • Fluke	
		10:31:00 PST	ni	ND / ND
		18:31-GMT	Position: 183° / 675 m Dir: West; Behavior: Slow travel	
19	Poor-1	Er Total 1 — 0 Calves at sighting <i>Disappeared</i>		
		13:48:00 PST	Blow	ND / ND
		21:48-GMT	Position: 191° / 505 m Dir: West; Behavior: Slow travel • Fluke	
		<i>Zero Beaufort in front of us and to west</i>		
24	Poor-0	Er Total 2 — 0 Calves at sighting		
		15:24:00 PST	Blow	
		23:24-GMT	Position: 209° / 871 m Dir: West; Behavior: Slow travel	
		15:26:00 PST	Blow	
		23:26-GMT	Position: 223° / 812 m Dir: West; Behavior: Slow travel	
		15:28:00 PST	Body	
		23:28-GMT	Position: 237° / 871 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Buoys
				15:57:00 PST	Blow
			23:57-GMT	Position: 255° / 1,369 m Dir: West; Behavior: Slow travel	Outside
			<i>One whale really small -- traveled together -- head up along surface -- seemed "pickled" -- could not call it a calf</i>		
	28	Poor-0	Er Total 2 — 0 Calves at sighting		
			16:24:00 PST	Body	
			0:24;	Position: 130° / 871 m Dir: West; Behavior: Slow travel • Rolling	
			2/21/2009-GMT		
			16:27:00 PST	Body	
			0:27;	Position: 146° / 607 m Dir: West; Behavior: Slow travel	
			2/21/2009-GMT		
			16:30:00 PST	Body	
			0:30;	Position: 179° / 505 m Dir: West; Behavior: Slow travel • Fluke	
			2/21/2009-GMT		
			16:33:00 PST	Blow	
			0:33;	Position: 212° / 527 m Dir: West; Behavior: Slow travel	
			2/21/2009-GMT		
			16:38:00 PST	Blow	Inside /
			0:38;	Position: 248° / 1,228 m Dir: West; Behavior: Slow travel • Rolling	Outside
			2/21/2009-GMT		
Feb 21	Total 12	Calves 0	Er Gray whale (northbound)		
Day 20 of 105					
	05	Poor-2	Er Total 2 — 0 Calves at sighting <i>Disappeared</i>		
			10:05:00 PST	Blow	ND / ND
			18:05-GMT	Position: 150° / 4,712 m Dir: West; Behavior: Slow travel • Fluke	
			<i>likely passed outside of Holly</i>		
	07	Poor-2	Er Total 2 — 0 Calves at sighting		
			10:34:00 PST	Blow	
			18:34-GMT	Position: 155° / 485 m Dir: West; Behavior: Slow travel • Fluke	
			10:36:00 PST	Blow	
			18:36-GMT	Position: 176° / 639 m Dir: West; Behavior: Slow travel • Fluke	
			10:41:00 PST	Blow	
			18:41-GMT	Position: 238° / 715 m Dir: West; Behavior: Slow travel • Fluke	
			10:44:00 PST	Blow	
			18:44-GMT	Position: 258° / 761 m Dir: West; Behavior: Slow travel • Fluke	
			10:45:00 PST	Body	Inside /
			18:45-GMT	Position: 258° / 1,019 m Dir: West; Behavior: Slow travel	Outside
	10	Poor-2	Er Total 2 — 0 Calves at sighting		
			11:15:00 PST	Body	
			19:15-GMT	Position: 115° / 1,369 m Dir: West; Behavior: Slow travel • Fluke	
			11:26:00 PST	Body	
			19:26-GMT	Position: 150° / 675 m Dir: West; Behavior: Slow travel • Fluke	
			11:36:00 PST	Body	Inside /
			19:36-GMT	Position: 246° / 840 m Dir: West; Behavior: Slow travel • Fluke	Outside

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Buoys
	11	Poor-2	Er Total 1 — 0 Calves at sighting		
			11:27:00 PST	Blow	
			19:27-GMT	Position: 201° / 675 m Dir: West; Behavior: Slow travel • Fluke	
			11:29:00 PST	Body	
			19:29-GMT	Position: 238° / 551 m Dir: West; Behavior: Slow travel • Fluke	
			11:30:00 PST	Body	Inside /
			19:30-GMT	Position: 247° / 675 m Dir: West; Behavior: Slow travel • Fluke	Outside
	13	Poor-2	Er Total 1 — 0 Calves at sighting		
			11:46:00 PST	Body	
			19:46-GMT	Position: 127° / 1,228 m Dir: West; Behavior: Slow travel	
			11:52:00 PST	Blow	
			19:52-GMT	Position: 159° / 527 m Dir: West; Behavior: Slow travel	
			11:53:00 PST	Blow	
			19:53-GMT	Position: 182° / 485 m Dir: West; Behavior: Slow travel	
			11:55:00 PST	Blow	Inside /
			19:55-GMT	Position: 189° / 485 m Dir: West; Behavior: Slow travel	Outside
	18	Poor-0	Er Total 3 — 0 Calves at sighting		
			13:05:00 PST	Blow	
			21:05-GMT	Position: 175° / 2,553 m Dir: West; Behavior: Slow travel	
			13:08:00 PST	Blow	
			21:08-GMT	Position: 181° / 2,553 m Dir: West; Behavior: Slow travel	
			13:12:00 PST	Blow	
			21:12-GMT	Position: 190° / 1,019 m Dir: West; Behavior: Slow travel	
			13:16:00 PST	Blow	
			21:16-GMT	Position: 200° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
			13:21:00 PST	Body	
			21:21-GMT	Position: 214° / 2,553 m Dir: West; Behavior: Slow travel	
			13:25:00 PST	Blow	
			21:25-GMT	Position: 219° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	
			13:30:00 PST	Blow	Outside /
			21:30-GMT	Position: 230° / 2,872 m Dir: West; Behavior: Slow travel	Outside
	25	Poor-0	Er Total 1 — 0 Calves at sighting		
			14:41:00 PST	Blow	
			22:41-GMT	Position: 211° / 1,546 m Dir: West; Behavior: Slow travel • Fluke	

Feb 22 Total 5 Calves 0 Er Gray whale (northbound)
Day 21 of 105

	08	Poor-2	Er Total 1 — 0 Calves at sighting		
			11:29:00 PST	Blow	
			19:29-GMT	Position: 116° / 1,369 m Dir: West; Behavior: Slow travel	
			11:34:00 PST	ni	
			19:34-GMT	Position: 149° / 1,019 m Dir: West; Behavior: Slow travel	
			11:39:00 PST	Body	
			19:39-GMT	Position: 170° / 812 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Buoys
				11:46:00 PST	Body
			19:46-GMT	Position: 219° / 607 m Dir: West; Behavior: Slow travel	
	15	Poor-1	Er Total 2 — 0 Calves at sighting		
			14:02:00 PST	Body	
			22:02-GMT	Position: 146° / 3,288 m Dir: West; Behavior: Slow travel	
			14:11:00 PST	Body	
			22:11-GMT	Position: 157° / 2,553 m Dir: West; Behavior: Slow travel	
			14:19:00 PST	Body	
			22:19-GMT	Position: 172° / 2,553 m Dir: West; Behavior: Slow travel	
			14:26:00 PST	Body	
			22:26-GMT	Position: 189° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
			14:34:00 PST	Body	
			22:34-GMT	Position: 204° / 2,553 m Dir: West; Behavior: Slow travel	
			14:39:00 PST	Blow	Inside / ND
			22:39-GMT	Position: 224° / 1,369 m Dir: West; Behavior: Slow travel	
	17	Poor-1	Er Total 1 — 0 Calves at sighting		
			14:41:00 PST	Blow	NI / NI
			22:41-GMT	Position: 227° / 2,553 m Dir: West; Behavior: Slow travel	
			<i>possible that there were 3 Er traveling together, a bit apart</i>		
	22	Poor-2	Er Total 1 — 0 Calves at sighting		
			15:51:00 PST	Blow	
			23:51-GMT	Position: 144° / 607 m Dir: West; Behavior: Slow travel	
			15:58:00 PST	Body	
			23:58-GMT	Position: 174° / 485 m Dir: West; Behavior: Slow travel	
			16:06:00 PST	Blow	Inside / ND
			0:06;	Position: 216° / 495 m Dir: West; Behavior: Slow travel	
			2/23/2009-GMT		
Feb 23	Total 3	Calves 0	Er Gray whale (northbound)		
Day 22 of 105					
	11	Good-1	Er Total 1 — 0 Calves at sighting <i>Disappeared</i>		
			12:03:00 PST	Blow	ND / ND
			20:03-GMT	Position: 148° / 639 m Dir: West; Behavior: Slow travel	
			<i>never saw again -- one sighting at edge of kelp (see S#14)</i>		
	14	Good-1	Er Total 1 — 0 Calves at sighting <i>Disappeared</i>		
			12:30:00 PST	Blow	ND / ND
			20:30-GMT	Position: 169° / 1,294 m Dir: West; Behavior: not determined	
			<i>entered @ 1252: Never saw S#11 again ... Then S#14 appeared, made five or six blows at surface, at one time appeared to be headed south -- not seen again. It is zero Beaufort, surface reflective -- cannot believe we cannot see animal(s) at surface ... Feeding?</i>		
	23	Fair-0	Er Total 1 — 0 Calves at sighting		
			14:43:00 PST	Blow	
			22:43-GMT	Position: 103° / 3,288 m Dir: West; Behavior: Slow travel	
			14:47:00 PST	Blow	
			22:47-GMT	Position: 104° / 3,288 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Buoys
		Time	Blow/Body	
		14:54:00 PST	Blow	
		22:54-GMT	Position: 105° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
		15:04:00 PST	Blow	
		23:04-GMT	Position: 110° / 2,872 m Dir: West; Behavior: Slow travel	
		15:08:00 PST	Blow	
		23:08-GMT	Position: 113° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
		15:16:00 PST	Blow	
		23:16-GMT	Position: 121° / 2,094 m Dir: West; Behavior: Slow travel	
		15:24:00 PST	Blow	
		23:24-GMT	Position: 135° / 1,778 m Dir: West; Behavior: Slow travel	
		15:30:00 PST	Body	
		23:30-GMT	Position: 157° / 1,228 m Dir: West; Behavior: Slow travel	
		15:36:00 PST	Body	
		23:36-GMT	Position: 188° / 871 m Dir: West; Behavior: Slow travel	
		15:42:00 PST	Blow	
		23:42-GMT	Position: 223° / 1,294 m Dir: West; Behavior: Slow travel	
		15:45:00 PST	Blow	
		23:45-GMT	Position: 232° / 1,369 m Dir: West; Behavior: Slow travel	
		15:50:00 PST	Blow	Inside /
		23:50-GMT	Position: 248° / 1,778 m Dir: West; Behavior: Slow travel	Outside
Feb 24	Total 7 Calves 0	Er Gray whale (northbound)		
Day 23 of 105				
01	Good-2	Er Total 1 — 0 Calves at sighting		
		9:11:00 PST	ni	
		17:11-GMT	Position: 156° / 1,228 m Dir: West; Behavior: Slow travel	
		9:18:00 PST	Body	
		17:18-GMT	Position: 192° / 1,019 m Dir: West; Behavior: Slow travel	
		9:28:00 PST	Body	Inside /
		17:28-GMT	Position: 243° / 1,294 m Dir: West; Behavior: Slow travel	Outside
07	Good-1	Er Total 2 — 0 Calves at sighting		
		10:21:00 PST	Blow	
		18:21-GMT	Position: 168° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
		10:29:00 PST	Blow	
		18:29-GMT	Position: 180° / 2,553 m Dir: West; Behavior: Slow travel	
		10:40:00 PST	Blow	ND / ND
		18:40-GMT	Position: 196° / 2,872 m Dir: West; Behavior: Slow travel	
		<i>lost whales before Holly -- appeared to be going Outside Holly and presumably Outside buoys (Barge in buoys)</i>		
09	Good-2	Er Total 1 — 0 Calves at sighting Disappeared		
		11:15:00 PST	Body	ND / ND
		19:15-GMT	Position: 210° / 2,872 m Dir: West; Behavior: not determined	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau Time	Blow/Body	Holly/Buoys
	20	Fair-2	Er Total 2 — 0 Calves at sighting	
		16:16:00 PST 0:16; 2/25/2009-GMT	Blow Position: 209° / 1,113 m Dir: West; Behavior: Slow travel	
		16:24:00 PST 0:24; 2/25/2009-GMT	Blow Position: 238° / 1,019 m Dir: West; Behavior: Slow travel	
		16:25:00 PST 0:25; 2/25/2009-GMT	Blow Position: 239° / 1,019 m Dir: West; Behavior: Slow travel • Fluke	Inside / Outside
	22	Fair-2	Er Total 1 — 0 Calves at sighting	
		16:43:00 PST 0:43; 2/25/2009-GMT	Blow Position: 125° / 1,019 m Dir: West; Behavior: Slow travel	
		16:49:00 PST 0:49; 2/25/2009-GMT	Blow Position: 152° / 715 m Dir: West; Behavior: Slow travel	
		16:52:00 PST 0:52; 2/25/2009-GMT	Body Position: 183° / 551 m Dir: West; Behavior: Slow travel • Fluke	
		16:54:00 PST 0:54; 2/25/2009-GMT	ni Position: 243° / 715 m Dir: West; Behavior: Slow travel	Inside / Outside
Feb 25	Total 2	Calves 0	Er Gray whale (northbound)	
Day 24 of 105				
	10	Fair-3	Er Total 2 — 0 Calves at sighting	
		9:57:00 PST 17:57-GMT	Blow Position: 108° / 2,553 m Dir: West; Behavior: Slow travel	
		10:04:00 PST 18:04-GMT	Blow Position: 117° / 1,778 m Dir: West; Behavior: Slow travel	
		10:19:00 PST 18:19-GMT	Blow Position: 194° / 715 m Dir: West; Behavior: Slow travel • Fluke	
		10:27:00 PST 18:27-GMT	Blow Position: 246° / 1,228 m Dir: West; Behavior: Slow travel • Fluke	Inside / Outside
Feb 27	Total 4	Calves 0	Er Gray whale (northbound)	
Day 26 of 105				
	06	Poor-2	Er Total 2 — 0 Calves at sighting	
		10:56:00 PST 18:56-GMT	Blow Position: 116° / 3,288 m Dir: West; Behavior: Slow travel	
		11:03:00 PST 19:03-GMT	Blow Position: 119° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	
		11:09:00 PST 19:09-GMT	Blow Position: 122° / 3,288 m Dir: West; Behavior: Slow travel	
		11:14:00 PST 19:14-GMT	Blow Position: 125° / 3,288 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Buoys
		Time	Blow/Body	
		11:18:00 PST 19:18-GMT	Blow Position: 128° / 2,872 m Dir: West; Behavior: Slow travel	
		11:23:00 PST 19:23-GMT	Blow Position: 135° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
		11:28:00 PST 19:28-GMT	Blow Position: 142° / 2,094 m Dir: West; Behavior: Slow travel	
		11:37:00 PST 19:37-GMT	ni Position: 156° / 2,094 m Dir: West; Behavior: Slow travel	
		11:45:00 PST 19:45-GMT	Blow Position: 174° / 1,778 m Dir: West; Behavior: Slow travel • Rolling • Fluke	
		11:53:00 PST 19:53-GMT	Blow Position: 197° / 1,778 m Dir: West; Behavior: Slow travel	
		11:57:00 PST 19:57-GMT	Blow Position: 208° / 1,778 m Dir: West; Behavior: Slow travel	
		12:03:00 PST 20:03-GMT	Body Position: 224° / 1,778 m Dir: West; Behavior: Slow travel	
		12:07:00 PST 20:07-GMT	Blow Position: 235° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	
		12:10:00 PST 20:10-GMT	Blow Position: 239° / 2,553 m Dir: West; Behavior: Slow travel	Inside / Outside
14 Poor-2 Er Total 1 — 0 Calves at sighting				
		14:37:00 PST 22:37-GMT	Body Position: 179° / 607 m Dir: West; Behavior: Slow travel	
		14:43:00 PST 22:43-GMT	Body Position: 228° / 639 m Dir: West; Behavior: Slow travel • Fluke	
		14:47:00 PST 22:47-GMT	Blow Position: 263° / 840 m Dir: West; Behavior: Slow travel	
		14:48:00 PST 22:48-GMT	Blow Position: 266° / 1,019 m Dir: West; Behavior: Slow travel • Fluke	Inside / Through
18 Poor-0 Er Total 1 — 0 Calves at sighting				
		16:58:00 PST 0:58; 2/28/2009-GMT	Blow Position: 237° / 1,778 m Dir: West; Behavior: Slow travel	
		17:05:00 PST 1:05; 2/28/2009-GMT	Blow Position: 248° / 2,094 m Dir: West; Behavior: Slow travel	Inside / Outside
Feb 28	Total 9	Calves 0	Er Gray whale (northbound)	
Day 27 of 105				
08 Poor-0 Er Total 1 — 0 Calves at sighting				
		10:18:00 PST 18:18-GMT	Blow Position: 95° / 3,288 m Dir: West; Behavior: Slow travel	
<i>Double Dolphin and Harbor Queen near whale</i>				
		10:58:00 PST 18:58-GMT	Blow Position: 120° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Buoys
				11:03:00 PST	Blow
			19:03-GMT	Position: 136° / 1,113 m Dir: West; Behavior: Slow travel • Fluke	
			11:10:00 PST	ni	
			19:10-GMT	Position: 188° / 675 m Dir: West; Behavior: Slow travel	
			11:18:00 PST	Blow	NI / NI
			19:18-GMT	Position: 250° / 1,228 m Dir: West; Behavior: not indicated	
	11	Fair-2	Er Total 1 — 0 Calves at sighting		
			10:45:00 PST	Body	Inside / ND
			18:45-GMT	Position: 220° / 1,369 m Dir: West; Behavior: Slow travel	
			<i>one sighting</i>		
	12	Fair-1	Er Total 2 — 0 Calves at sighting		
			11:21:00 PST	Blow	
			19:21-GMT	Position: 115° / 2,553 m Dir: West; Behavior: Slow travel	
			11:28:00 PST	Blow	
			19:28-GMT	Position: 123° / 2,553 m Dir: West; Behavior: Slow travel • Rolling	
			11:42:00 PST	Blow	
			19:42-GMT	Position: 159° / 1,369 m Dir: West; Behavior: Slow travel	
			11:48:00 PST	Blow	
			19:48-GMT	Position: 190° / 1,369 m Dir: West; Behavior: Slow travel • Fluke	
			11:59:00 PST	Body	Inside /
			19:59-GMT	Position: 190° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	Outside
	29	Fair-1	Er Total 2 — 0 Calves at sighting		
			15:56:00 PST	Blow	
			23:56-GMT	Position: 95° / 3,288 m Dir: West; Behavior: Slow travel	
			16:26:00 PST	Blow	
			0:26; 3/1/2009-GMT	Position: 104° / 2,094 m Dir: West; Behavior: Slow travel	
			16:35:00 PST	Blow	
			0:35; 3/1/2009-GMT	Position: 110° / 2,553 m Dir: West; Behavior: Slow travel	
			16:41:00 PST	Blow	
			0:41; 3/1/2009-GMT	Position: 121° / 1,369 m Dir: West; Behavior: Slow travel	
			16:45:00 PST	Blow	
			0:45; 3/1/2009-GMT	Position: ni / 1,113 m Dir: West; Behavior: Slow travel	
			16:53:00 PST	Blow	
			0:53; 3/1/2009-GMT	Position: 182° / 715 m Dir: West; Behavior: Slow travel	
			16:58:00 PST	Blow	Inside / ND
			0:58; 3/1/2009-GMT	Position: 226° / 761 m Dir: West; Behavior: Slow travel	
	30	Fair-1	Er Total 3 — 0 Calves at sighting		
			16:00:00 PST	Body	
			0:00; 3/1/2009-GMT	Position: 173° / 3,288 m Dir: West; Behavior: Slow travel	
			16:22:00 PST	Blow	
			0:22; 3/1/2009-GMT	Position: 202° / 3,288 m Dir: West; Behavior: Slow travel	
			16:32:00 PST	Body	
			0:32; 3/1/2009-GMT	Position: 217° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Buoys
		Time	Blow/Body	
		16:38:00 PST	Blow	
		0:38; 3/1/2009-GMT Position: 224° / 3,288 m Dir: West; Behavior: Slow travel		
		16:44:00 PST	Blow	Outside /
		0:44; 3/1/2009-GMT Position: 231° / 3,288 m Dir: West; Behavior: Slow travel		
Mar 01	Total 8 Calves 0	Er Gray whale (northbound)		
Day 28 of 105				
05	Fair-1	Er Total 1 — 0 Calves at sighting		
		9:52:00 PST	Blow	
		17:52-GMT Position: 142° / 2,553 m Dir: West; Behavior: Slow travel • Fluke		
		9:57:00 PST	Blow	
		17:57-GMT Position: 146° / 2,094 m Dir: West; Behavior: Slow travel • Fluke		
		10:06:00 PST	Blow	
		18:06-GMT Position: 152° / 2,553 m Dir: West; Behavior: Slow travel • Fluke		
		10:18:00 PST	Blow	
		18:18-GMT Position: 170° / 2,094 m Dir: West; Behavior: Slow travel • Fluke		
		10:25:00 PST	Blow	
		18:25-GMT Position: 188° / 2,094 m Dir: West; Behavior: Slow travel		
		10:34:00 PST	Blow	Inside /
		18:34-GMT Position: 215° / 2,094 m Dir: West; Behavior: Slow travel		
06	Fair-3	Er Total 1 — 0 Calves at sighting		
		10:14:00 PST	Blow	Inside /
		18:14-GMT Position: 187° / 1,778 m Dir: West; Behavior: Slow travel		
		<i>another position @ 196°/.5 was recorded but NO TIME. Not entered.</i>		
15	Fair-2	Er Total 2 — 0 Calves at sighting		
		12:02:00 PST	Blow	
		20:02-GMT Position: 135° / 2,872 m Dir: West; Behavior: Slow travel		
		<i>Not small enough -- good swimmer --at least one blow bigger than little puff -- long downtimes between 170-225</i>		
		12:05:00 PST	Blow	
		20:05-GMT Position: 138° / 2,094 m Dir: West; Behavior: Slow travel		
		12:09:00 PST	Blow	
		20:09-GMT Position: 141° / 1,778 m Dir: West; Behavior: Slow travel		
		12:12:00 PST	Body	
		20:12-GMT Position: 144° / 2,094 m Dir: West; Behavior: Slow travel		
		12:14:00 PST	Blow	
		20:14-GMT Position: 147° / 2,094 m Dir: West; Behavior: Slow travel		
		12:23:00 PST	Blow	
		20:23-GMT Position: 172° / 2,094 m Dir: West; Behavior: Slow travel		
		12:26:00 PST	Blow	
		20:26-GMT Position: 175° / 1,546 m Dir: West; Behavior: Slow travel		
		12:31:00 PST	Blow	
		20:31-GMT Position: 196° / 1,778 m Dir: West; Behavior: Slow travel		
		12:43:00 PST	Blow	Inside /
		20:43-GMT Position: 232° / 2,094 m Dir: West; Behavior: Slow travel		

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting	Quality - Beau	Blow/Body	Holly/Buoys
	Number	Time		
	16	Good-2	Er Total 1 — 0 Calves at sighting	
		12:40:00 PST	Body	
		20:40-GMT	Position: 175° / 715 m Dir: West; Behavior: Slow travel • Fluke	
		12:47:00 PST	Blow	
		20:47-GMT	Position: 238° / 675 m Dir: West; Behavior: Slow travel • Fluke	
		12:54:00 PST	Blow	Inside /
		20:54-GMT	Position: 264° / 1,113 m Dir: West; Behavior: Slow travel	Outside
	22	Good-2	Er Total 1 — 0 Calves at sighting	
		14:25:00 PST	Blow	
		22:25-GMT	Position: 194° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	
		14:32:00 PST	Blow	
		22:32-GMT	Position: 214° / 2,094 m Dir: West; Behavior: Slow travel	
		14:41:00 PST	Body	Inside /
		22:41-GMT	Position: 230° / 1,778 m Dir: West; Behavior: Slow travel	Outside
	23	Good-2	Er Total 1 — 0 Calves at sighting	
		16:39:00 PST	Blow	
		0:39; 3/2/2009-GMT	Position: 99° / 3,288 m Dir: West; Behavior: Slow travel	
		16:43:00 PST	Blow	
		0:43; 3/2/2009-GMT	Position: 103° / 2,553 m Dir: West; Behavior: Slow travel	
		16:46:00 PST	Blow	
		0:46; 3/2/2009-GMT	Position: 104° / 2,553 m Dir: West; Behavior: Slow travel	
		16:49:00 PST	Blow	
		0:49; 3/2/2009-GMT	Position: 107° / 2,094 m Dir: West; Behavior: Slow travel	
		16:57:00 PST	Blow	
		0:57; 3/2/2009-GMT	Position: 118° / 2,094 m Dir: West; Behavior: Slow travel	
		17:03:00 PST	Body	
		1:03; 3/2/2009-GMT	Position: 129° / 1,778 m Dir: West; Behavior: Slow travel	
		17:07:00 PST	Body	ND / ND
		1:07; 3/2/2009-GMT	Position: 139° / 939 m Dir: West; Behavior: Slow travel	
	24	Good-2	Er Total 1 — 0 Calves at sighting	
		16:59:00 PST	Blow	
		0:59; 3/2/2009-GMT	Position: 108° / 2,094 m Dir: West; Behavior: Slow travel	
		17:09:00 PST	Body	ND / ND
		1:09; 3/2/2009-GMT	Position: 119° / 1,546 m Dir: West; Behavior: Slow travel	
Mar 02	Total 3	Calves 0	Er Gray whale (northbound)	
Day 29 of 105				
	06	Poor-1	Er Total 1 — 0 Calves at sighting <i>Disappeared</i>	
		11:20:00 PST	Body	ND / ND
		19:20-GMT	Position: 179° / 433 m Dir: West; Behavior: Slow travel	
		<i>only sighting</i>		
	20	Poor-0	Er Total 2 — 0 Calves at sighting	
		16:01:00 PST	Blow	
		0:01; 3/3/2009-GMT	Position: 127° / 1,369 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Buoys
		Time	Blow/Body	
		16:06:00 PST	Body	
		0:06; 3/3/2009-GMT Position: 141° / 639 m Dir: West; Behavior: Slow travel		
		16:08:00 PST	Body	
		0:08; 3/3/2009-GMT Position: 146° / 1,369 m Dir: West; Behavior: Slow travel		
		16:13:00 PST	Blow	
		0:13; 3/3/2009-GMT Position: 172° / 1,228 m Dir: West; Behavior: Slow travel		
		16:14:00 PST	Body	
		0:14; 3/3/2009-GMT Position: 173° / 1,228 m Dir: West; Behavior: Slow travel		
		16:17:00 PST	Body	
		0:17; 3/3/2009-GMT Position: 193° / 1,369 m Dir: West; Behavior: Slow travel		
		16:18:00 PST	Body	
		0:18; 3/3/2009-GMT Position: 197° / 1,369 m Dir: West; Behavior: Slow travel		
		16:19:00 PST	Body	Inside / ND
		0:19; 3/3/2009-GMT Position: 208° / 1,369 m Dir: West; Behavior: Slow travel		
Mar 03	Total 4	Calves 0	Er Gray whale (northbound)	
Day 30 of 105				

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

9:02:00 PST	Blow	
17:02-GMT Position: 136° / 1,369 m Dir: West; Behavior: Slow travel		
9:05:00 PST	Body	
17:05-GMT Position: 143° / 1,369 m Dir: West; Behavior: Slow travel		
9:15:00 PST	Body	ND / ND
17:15-GMT Position: 192° / 1,113 m Dir: West; Behavior: Slow travel		
<i>Juvenile ? Lost sight of it before Holly</i>		

19 Fair-0 **Er Total 3 — 0 Calves at sighting**

14:09:00 PST	Blow	
22:09-GMT Position: 196° / 2,553 m Dir: West; Behavior: Slow travel		
14:10:00 PST	Blow	
22:10-GMT Position: 203° / 2,553 m Dir: West; Behavior: Slow travel		
14:12:00 PST	Blow	
22:12-GMT Position: 207° / 2,553 m Dir: West; Behavior: Slow travel		
14:12:00 PST	Blow	
22:12-GMT Position: 212° / 2,553 m Dir: West; Behavior: Slow travel		
14:13:00 PST	Blow	
22:13-GMT Position: 218° / 2,553 m Dir: West; Behavior: Slow travel		
14:15:00 PST	Blow	
22:15-GMT Position: 222° / 2,553 m Dir: West; Behavior: Slow travel		
14:18:00 PST	Blow	
22:18-GMT Position: 229° / 2,094 m Dir: West; Behavior: Slow travel		
14:19:00 PST	ni	
22:19-GMT Position: 234° / 2,553 m Dir: West; Behavior: Slow travel		
14:25:00 PST	ni	
22:25-GMT Position: 247° / 2,553 m Dir: West; Behavior: Slow travel		

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Buoys
		Time	Blow/Body	
		14:41:00 PST	Blow	Inside /
		22:41-GMT	Position: 258° / 2,872 m Dir: West; Behavior: Slow travel	Outside
Mar 04	Total 9 Calves 0	Er Gray whale (northbound)		
Day 31 of 105				
06	Poor-2	Er Total 2 — 0 Calves at sighting		
		10:04:00 PST	Body	
		18:04-GMT	Position: 141° / 1,019 m Dir: West; Behavior: Slow travel	
		10:13:00 PST	Body	
		18:13-GMT	Position: 176° / 607 m Dir: West; Behavior: Slow travel	
		10:17:00 PST	Blow	
		18:17-GMT	Position: 219° / 623 m Dir: West; Behavior: Slow travel	
		10:20:00 PST	Blow	
		18:20-GMT	Position: 237° / 840 m Dir: West; Behavior: Slow travel • Rolling	
		10:27:00 PST	Blow	Inside /
		18:27-GMT	Position: 259° / 1,228 m Dir: West; Behavior: Slow travel	Outside
12	Fair-0	Er Total 2 — 0 Calves at sighting		
		12:50:00 PST	Body	
		20:50-GMT	Position: 123° / 1,546 m Dir: West; Behavior: Slow travel	
		12:56:00 PST	Body	
		20:56-GMT	Position: 149° / 1,113 m Dir: West; Behavior: Slow travel	
		13:01:00 PST	Blow	
		21:01-GMT	Position: 183° / 761 m Dir: West; Behavior: Slow travel	
		13:10:00 PST	Body	Inside /
		21:10-GMT	Position: 224° / 527 m Dir: West; Behavior: Slow travel	Outside
16	Fair-3	Er Total 2 — 0 Calves at sighting		
		15:31:00 PST	Blow	
		23:31-GMT	Position: 211° / 2,872 m Dir: West; Behavior: Slow travel	
		15:37:00 PST	Blow	
		23:37-GMT	Position: 217° / 2,872 m Dir: West; Behavior: Slow travel	
		15:41:00 PST	Blow	
		23:41-GMT	Position: 223° / 2,872 m Dir: West; Behavior: Slow travel	
		15:45:00 PST	Blow	Outside /
		23:45-GMT	Position: 231° / 2,872 m Dir: West; Behavior: Slow travel	Outside
18	Fair-3	Er Total 3 — 0 Calves at sighting		
		16:10:00 PST	Blow	
		0:10; 3/5/2009-GMT	Position: 158° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
		16:21:00 PST	Blow	
		0:21; 3/5/2009-GMT	Position: 175° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
		16:28:00 PST	Blow	
		0:28; 3/5/2009-GMT	Position: 186° / 2,553 m Dir: West; Behavior: Slow travel	
		16:31:00 PST	Blow	
		0:31; 3/5/2009-GMT	Position: 188° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
		<i>all three whales fluked at this position</i>		

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Buoys
		Time	Blow/Body	
		16:38:00 PST	Blow	
		0:38; 3/5/2009-GMT Position: 202° / 2,872 m Dir: West; Behavior: Slow travel		
		16:42:00 PST	Blow	
		0:42; 3/5/2009-GMT Position: 209° / 3,288 m Dir: West; Behavior: Slow travel		
		16:47:00 PST	Blow	
		0:47; 3/5/2009-GMT Position: 216° / 3,288 m Dir: West; Behavior: Slow travel		
		16:58:00 PST	Blow	Outside /
		0:58; 3/5/2009-GMT Position: 230° / 3,288 m Dir: West; Behavior: Slow travel		
<hr/>				
Mar 05	Total 21 Calves 0	Er Gray whale (northbound)		
Day 32 of 105				
	01	Good-2	Er Total 2 — 0 Calves at sighting	
		8:53:00 PST	Body	
		16:53-GMT Position: 224° / 505 m Dir: West; Behavior: Slow travel		
		8:55:00 PST	Blow	
		16:55-GMT Position: 238° / 578 m Dir: West; Behavior: Slow travel • Fluke		
		8:59:00 PST	Blow	
		16:59-GMT Position: 252° / 871 m Dir: West; Behavior: Slow travel • Fluke		
		9:09:00 PST	Blow	Inside /
		17:09-GMT Position: 272° / 1,778 m Dir: West; Behavior: Slow travel		
				Outside
	04	Good-2	Er Total 1 — 0 Calves at sighting	Disappeared
		9:27:00 PST	Blow	ND / ND
		17:27-GMT Position: 150° / 812 m Dir: West; Behavior: Slow travel		
		<i>one blow and down -- disappeared -- seemed good-sized</i>		
	05	Excellent-	Er Total 3 — 0 Calves at sighting	
		9:55:00 PST	Blow	
		17:55-GMT Position: 122° / 3,288 m Dir: West; Behavior: Slow travel		
		9:59:00 PST	Blow	
		17:59-GMT Position: 128° / 3,288 m Dir: West; Behavior: Slow travel • Fluke		
		10:06:00 PST	Blow	
		18:06-GMT Position: 130° / 2,872 m Dir: West; Behavior: Slow travel • Fluke		
		10:12:00 PST	Blow	
		18:12-GMT Position: 135° / 2,553 m Dir: West; Behavior: Slow travel • Fluke		
		10:23:00 PST	Blow	
		18:23-GMT Position: 150° / 2,553 m Dir: West; Behavior: Slow travel • Fluke		
		10:32:00 PST	Blow	
		18:32-GMT Position: 166° / 2,553 m Dir: West; Behavior: Slow travel • Fluke		
		10:38:00 PST	Blow	ND / ND
		18:38-GMT Position: 174° / 2,094 m Dir: West; Behavior: Slow travel		
	06	Excellent-	Er Total 1 — 0 Calves at sighting	
		10:41:00 PST	Blow	
		18:41-GMT Position: 116° / 1,778 m Dir: West; Behavior: Slow travel		
		10:47:00 PST	Blow	
		18:47-GMT Position: 126° / 1,778 m Dir: West; Behavior: Slow travel		

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Blow/Body	Holly/Buoys
		Time		
		10:54:00 PST	Blow	
		18:54-GMT	Position: 144° / 1,228 m Dir: West; Behavior: Slow travel	
		10:57:00 PST	Blow	
		18:57-GMT	Position: 157° / 939 m Dir: West; Behavior: Slow travel	
	07	Excellent-	Er Total 2 — 0 Calves at sighting	
		11:00:00 PST	Blow	
		19:00-GMT	Position: 124° / 4,712 m Dir: West; Behavior: Slow travel	
		11:08:00 PST	Blow	
		19:08-GMT	Position: 126° / 4,712 m Dir: West; Behavior: Slow travel	
		11:18:00 PST	Blow	
		19:18-GMT	Position: 129° / 3,288 m Dir: West; Behavior: Slow travel	
		11:51:00 PST	Blow	
		19:51-GMT	Position: 141° / 2,872 m Dir: West; Behavior: Slow travel	
		11:55:00 PST	Blow	
		19:55-GMT	Position: 149° / 2,094 m Dir: West; Behavior: Slow travel	
		11:58:00 PST	Blow	
		19:58-GMT	Position: 152° / 2,094 m Dir: West; Behavior: Slow travel	
		12:02:00 PST	Blow	
		20:02-GMT	Position: 155° / 2,094 m Dir: West; Behavior: Slow travel	
		12:04:00 PST	Blow	
		20:04-GMT	Position: 165° / 1,778 m Dir: West; Behavior: Slow travel	
		12:19:00 PST	Blow	
		20:19-GMT	Position: 205° / 1,369 m Dir: West; Behavior: Slow travel	
		12:30:00 PST	Blow	Inside /
		20:30-GMT	Position: 235° / 1,546 m Dir: West; Behavior: Slow travel	Outside
	09	Good-1	Er Total 2 — 0 Calves at sighting	
		11:29:00 PST	Blow	
		19:29-GMT	Position: 158° / 3,288 m Dir: West; Behavior: Slow travel	
		11:38:00 PST	Blow	
		19:38-GMT	Position: 167° / 2,872 m Dir: West; Behavior: Slow travel	
		11:41:00 PST	Blow	
		19:41-GMT	Position: 173° / 2,553 m Dir: West; Behavior: Slow travel	
		11:50:00 PST	Blow	
		19:50-GMT	Position: 186° / 2,553 m Dir: West; Behavior: Slow travel	
		11:52:00 PST	Body	
		19:52-GMT	Position: 188° / 2,553 m Dir: West; Behavior: Slow travel • Breach	
			<i>two breaches</i>	
		12:04:00 PST	ni	
		20:04-GMT	Position: 210° / 2,553 m Dir: West; Behavior: Slow travel	
		12:10:00 PST	Blow	
		20:10-GMT	Position: 220° / 2,872 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Blow/Body	Holly/Buoys
		Time		
		12:19:00 PST	Blow	Outside /
		20:19-GMT	Position: 230° / 2,872 m Dir: West; Behavior: Slow travel	Outside
		<i>Comments made 2009-11-10 by mhs while entering data: These whales (S#9) breached in an area where four sightings (4, 5, 6, + 13) disappeared. Perhaps there was a lot of noise from a seep or the oil platform. Didn't seem to be vessel interactions. We did not have acoustic equipment in water. (If feeding were the reason for the disappearance, it seems unlikely to me that so many groups would do the same thing.)</i>		
12	Good-1	Er Total 1 — 0 Calves at sighting		
		11:56:00 PST	Blow	
		19:56-GMT	Position: 143° / 1,019 m Dir: West; Behavior: Slow travel • Fluke	
		12:03:00 PST	Blow	
		20:03-GMT	Position: 177° / 639 m Dir: West; Behavior: Slow travel	
		12:07:00 PST	Blow	Inside / ND
		20:07-GMT	Position: 213° / 607 m Dir: West; Behavior: Slow travel	
13	Good-1	Er Total 2 — 0 Calves at sighting		
		12:00:00 PST	Blow	
		20:00-GMT	Position: 124° / 1,228 m Dir: West; Behavior: Slow travel	
		12:08:00 PST	Blow	ND / ND
		20:08-GMT	Position: 156° / 715 m Dir: West; Behavior: Slow travel	
14	Good-1	Er Total 5 — 0 Calves at sighting		
		12:39:00 PST	Blow	
		20:39-GMT	Position: 135° / 3,288 m Dir: West; Behavior: Slow travel	
		12:47:00 PST	Blow	
		20:47-GMT	Position: 141° / 2,872 m Dir: West; Behavior: Slow travel • Rolling	
		12:52:00 PST	Blow	
		20:52-GMT	Position: 145° / 2,553 m Dir: West; Behavior: Slow travel • Rolling	
		12:57:00 PST	Blow	
		20:57-GMT	Position: 150° / 2,553 m Dir: West; Behavior: Slow travel	
		13:07:00 PST	Blow	
		21:07-GMT	Position: 162° / 2,553 m Dir: West; Behavior: Slow travel	
		13:13:00 PST	Blow	
		21:13-GMT	Position: 170° / 2,094 m Dir: West; Behavior: Slow travel	
		13:17:00 PST	Blow	
		21:17-GMT	Position: 176° / 2,094 m Dir: West; Behavior: Slow travel • Rolling	
		13:21:00 PST	Blow	
		21:21-GMT	Position: 180° / 1,778 m Dir: West; Behavior: Slow travel	
		13:24:00 PST	Blow	
		21:24-GMT	Position: 184° / 1,778 m Dir: West; Behavior: Slow travel • Rolling	
		13:28:00 PST	Blow	
		21:28-GMT	Position: 189° / 2,094 m Dir: West; Behavior: Slow travel • Rolling	
		13:30:00 PST	Blow	
		21:30-GMT	Position: 193° / 1,778 m Dir: West; Behavior: Slow travel	
		13:34:00 PST	Blow	
		21:34-GMT	Position: 195° / 2,094 m Dir: Stationary; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting	Quality - Beau	Blow/Body	Holly/Buoys
	Number	Time		
		13:38:00 PST	Blow	
		21:38-GMT	Position: 195° / 2,094 m Dir: Stationary; Behavior: Slow travel • Rolling	
15	Good-3	Er Total 2 — 0 Calves at sighting		
		13:11:00 PST	Blow	
		21:11-GMT	Position: 147° / 1,778 m Dir: West; Behavior: Slow travel	
		13:27:00 PST	Blow	
		21:27-GMT	Position: 162° / 2,872 m Dir: West; Behavior: Slow travel	
		13:37:00 PST	Blow	
		21:37-GMT	Position: 168° / 2,094 m Dir: West; Behavior: Slow travel	
		13:41:00 PST	Blow	
		21:41-GMT	Position: 182° / 1,778 m Dir: West; Behavior: Slow travel	
		PST		
		8:-GMT	; Behavior: Slow travel	
Mar 06	Total 7	Calves 0	Er Gray whale (northbound)	
Day 33 of 105				
01	Excellent-	Er Total 3 — 0 Calves at sighting		
		8:46:00 PST	Blow	
		16:46-GMT	Position: 153° / 812 m Dir: West; Behavior: Slow travel • Rolling	
		8:56:00 PST	Blow	
		16:56-GMT	Position: 160° / 675 m Dir: West; Behavior: Slow travel • Rolling	
		9:07:00 PST	Blow	
		17:07-GMT	Position: 168° / 675 m Dir: West; Behavior: Slow travel • Rolling	
		9:13:00 PST	Blow	
		17:13-GMT	Position: 183° / 578 m Dir: West; Behavior: Slow travel • Rolling	
		<i>Pink Floyd (penis seen)</i>		
		9:19:00 PST	Blow	
		17:19-GMT	Position: 189° / 715 m Dir: West; Behavior: Slow travel	
		9:27:00 PST	Blow	
		17:27-GMT	Position: 204° / 715 m Dir: West; Behavior: Slow travel • Rolling	
		9:37:00 PST	Blow	
		17:37-GMT	Position: 214° / 715 m Dir: West; Behavior: Slow travel • Rolling	
		9:40:00 PST	Blow	
		17:40-GMT	Position: 221° / 715 m Dir: West; Behavior: Slow travel • Rolling	
		9:47:00 PST	Blow	
		17:47-GMT	Position: 226° / 761 m Dir: West; Behavior: Slow travel • Rolling	
		9:53:00 PST	Blow	
		17:53-GMT	Position: 234° / 812 m Dir: West; Behavior: Slow travel • Rolling	
		9:57:00 PST	Blow	
		17:57-GMT	Position: 251° / 871 m Dir: West; Behavior: Slow travel	
		10:07:00 PST	Body	
		18:07-GMT	Position: 260° / 1,546 m Dir: West; Behavior: Slow travel • Rolling	
		10:15:00 PST	Blow	
		18:15-GMT	Position: 266° / 1,546 m Dir: West; Behavior: Slow travel • Rolling	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Buoys
		Time	Blow/Body	
		10:20:00 PST	Blow	
		18:20-GMT	Position: 269° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	
		10:27:00 PST	Blow	Inside /
		18:27-GMT	Position: 269° / 2,094 m Dir: West; Behavior: Slow travel	Outside
	04	Fair-3	Er Total 1 — 0 Calves at sighting	
		9:23:00 PST	Blow	
		17:23-GMT	Position: 158° / 1,546 m Dir: West; Behavior: Slow travel • Fluke	
		9:30:00 PST	ni	ND / ND
		17:30-GMT	Position: 193° / 1,778 m Dir: West; Behavior: Slow travel	
	05	Fair-3	Er Total 2 — 0 Calves at sighting	
		9:33:00 PST	Blow	
		17:33-GMT	Position: 110° / 2,553 m Dir: West; Behavior: Slow travel	
		9:40:00 PST	Blow	
		17:40-GMT	Position: 120° / 1,369 m Dir: West; Behavior: Slow travel	
		9:50:00 PST	Blow	
		17:50-GMT	Position: 146° / 812 m Dir: West; Behavior: Slow travel	
		9:56:00 PST	Blow	Inside / ND
		17:56-GMT	Position: 197° / 675 m Dir: West; Behavior: Slow travel • Fluke	
	09	Poor-4	Er Total 1 — 0 Calves at sighting	
		10:35:00 PST	Blow	
		18:35-GMT	Position: 159° / 1,546 m Dir: West; Behavior: Slow travel	
		10:40:00 PST	Blow	
		18:40-GMT	Position: 175° / 1,778 m Dir: West; Behavior: Slow travel	
		10:42:00 PST	ni	ND / ND
		18:42-GMT	Position: 183° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	
Mar 07	Total 23	Calves 0	Er Gray whale (northbound)	
Day 34 of 105				
	01	Fair-1	Er Total 2 — 0 Calves at sighting	
		8:48:00 PST	Blow	
		16:48-GMT	Position: 122° / 1,369 m Dir: West; Behavior: Slow travel	
		8:54:00 PST	Blow	
		16:54-GMT	Position: 134° / 1,228 m Dir: West; Behavior: Slow travel	
		9:02:00 PST	Blow	
		17:02-GMT	Position: 165° / 1,228 m Dir: West; Behavior: Slow travel • Fluke	
		9:10:00 PST	Blow	ND / ND
		17:10-GMT	Position: 207° / 1,228 m Dir: West; Behavior: Slow travel • Fluke	
	04	Fair-1	Er Total 2 — 0 Calves at sighting	
		9:46:00 PST	Blow	
		17:46-GMT	Position: 115° / 2,553 m Dir: West; Behavior: Slow travel	
		9:49:00 PST	Blow	
		17:49-GMT	Position: 122° / 2,553 m Dir: West; Behavior: Slow travel	
		10:02:00 PST	Blow	
		18:02-GMT	Position: 148° / 2,094 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting	Quality - Beau	Blow/Body	Holly/Buoys
	Number	Time		
		10:05:00 PST	Blow	
		18:05-GMT	Position: 163° / 1,228 m Dir: West; Behavior: Slow travel	
		10:09:00 PST	Blow	ND / ND
		18:09-GMT	Position: 178° / 1,228 m Dir: West; Behavior: Slow travel • Fluke	
08	Fair-2	Er Total 1 — 0 Calves at sighting		
		10:50:00 PST	Blow	
		18:50-GMT	Position: 106° / 2,094 m Dir: West; Behavior: Slow travel	
		10:54:00 PST	Blow	
		18:54-GMT	Position: 109° / 1,778 m Dir: West; Behavior: Slow travel	
		10:58:00 PST	Blow	
		18:58-GMT	Position: 112° / 1,294 m Dir: West; Behavior: Slow travel	
		10:59:00 PST	Blow	
		18:59-GMT	Position: 114° / 1,546 m Dir: West; Behavior: Slow travel	
		11:04:00 PST	Blow	
		19:04-GMT	Position: 122° / 840 m Dir: West; Behavior: Slow travel	
		11:11:00 PST	Blow	
		19:11-GMT	Position: 168° / 410 m Dir: West; Behavior: Slow travel	
		11:16:00 PST	Blow	Inside / ND
		19:16-GMT	Position: 233° / 505 m Dir: West; Behavior: Slow travel	
		<i>Big whale -- big, bushy blows -- along kelp -- disappeared before buoys -- wanted to track to see if traveled calf route -- maybe feeding? Why are they disappearing?</i>		
09	Fair-1	Er Total 2 — 0 Calves at sighting		
		12:23:00 PST	Blow	
		20:23-GMT	Position: 162° / 623 m Dir: West; Behavior: Slow travel	
		12:29:00 PST	Blow	ND / ND
		20:29-GMT	Position: 176° / 418 m Dir: West; Behavior: Slow travel	
12	Fair-0	Er Total 3 — 0 Calves at sighting		
		13:33:00 PST	Blow	
		21:33-GMT	Position: 192° / 1,778 m Dir: West; Behavior: Slow travel	
		13:40:00 PST	Blow	
		21:40-GMT	Position: 214° / 1,294 m Dir: West; Behavior: Slow travel • Rolling • Fluke	
		13:45:00 PST	Blow	
		21:45-GMT	Position: 231° / 1,546 m Dir: West; Behavior: Slow travel	
		13:51:00 PST	Blow	
		21:51-GMT	Position: 244° / 2,094 m Dir: West; Behavior: Slow travel	
		13:59:00 PST	Blow	Inside /
		21:59-GMT	Position: 256° / 2,872 m Dir: West; Behavior: Slow travel	Outside
15	Fair-0	Er Total 1 — 0 Calves at sighting		
		14:09:00 PST	Blow	
		22:09-GMT	Position: 149° / 2,872 m Dir: West; Behavior: Slow travel	
		14:25:00 PST	Body	
		22:25-GMT	Position: 163° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Buoys
		Time	Blow/Body	
		14:39:00 PST	Blow	
		22:39-GMT	Position: 200° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
		14:59:00 PST	Blow	
		22:59-GMT	Position: 224° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
		15:14:00 PST	ni	Inside /
		23:14-GMT	Position: 261° / 1,778 m Dir: West; Behavior: Slow travel	Outside
18	Fair-0	Er Total 2 — 0 Calves at sighting		
		14:23:00 PST	Body	
		22:23-GMT	Position: 154° / 871 m Dir: West; Behavior: Slow travel • Breach	
		14:25:00 PST	Blow	
		22:25-GMT	Position: 164° / 871 m Dir: West; Behavior: Slow travel	
		14:31:00 PST	Blow	
		22:31-GMT	Position: 201° / 607 m Dir: West; Behavior: Slow travel	
		14:40:00 PST	Blow	
		22:40-GMT	Position: 233° / 675 m Dir: West; Behavior: Slow travel	
		14:46:00 PST	Blow	Inside /
		22:46-GMT	Position: 243° / 939 m Dir: West; Behavior: Slow travel	Outside
21	Fair-0	Er Total 3 — 0 Calves at sighting		
		14:51:00 PST	Body	
		22:51-GMT	Position: 145° / 939 m Dir: West; Behavior: Slow travel	
		14:57:00 PST	Blow	ND / ND
		22:57-GMT	Position: 122° / 840 m Dir: West; Behavior: Slow travel	
		<i>person made additional tracking entry: 1501 Blow 206 / 1.5 W THROWN OUT not possible</i>		
22	Fair-0	Er Total 2 — 0 Calves at sighting		
		15:02:00 PST	Blow	
		23:02-GMT	Position: 189° / 1,228 m Dir: West; Behavior: Slow travel	
		15:08:00 PST	Blow	
		23:08-GMT	Position: 218° / 1,369 m Dir: West; Behavior: Slow travel	
		15:24:00 PST	Blow	Inside /
		23:24-GMT	Position: 256° / 2,872 m Dir: West; Behavior: Slow travel	Outside
24	Fair-0	Er Total 1 — 0 Calves at sighting		
		15:21:00 PST	Blow	
		23:21-GMT	Position: 140° / 2,872 m Dir: West; Behavior: Slow travel	
		15:31:00 PST	Blow	
		23:31-GMT	Position: 139° / 3,288 m Dir: West; Behavior: Slow travel	
		16:01:00 PST	Blow	
		0:01; 3/8/2009-GMT	Position: 175° / 2,553 m Dir: West; Behavior: Slow travel	
		16:29:00 PST	Blow	
		0:29; 3/8/2009-GMT	Position: 219° / 3,288 m Dir: West; Behavior: Slow travel	
		16:39:00 PST	ni	Outside /
		0:39; 3/8/2009-GMT	Position: 232° / 3,288 m Dir: West; Behavior: Slow travel	Outside

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting	Quality - Beau	Blow/Body	Holly/Buoys
	Number	Time		
	27	Fair-0	Er Total 2 — 0 Calves at sighting	
		16:02:00 PST	Blow	
		0:02; 3/8/2009-GMT	Position: 234° / 2,872 m Dir: West; Behavior: Slow travel	
		16:23:00 PST	Blow	Inside / Outside
		0:23; 3/8/2009-GMT	Position: 260° / 3,288 m Dir: West; Behavior: Slow travel	
	29	Fair-1	Er Total 2 — 0 Calves at sighting	
		16:34:00 PST	Blow	
		0:34; 3/8/2009-GMT	Position: 123° / 3,288 m Dir: West; Behavior: Slow travel	
		16:48:00 PST	Blow	
		0:48; 3/8/2009-GMT	Position: 133° / 3,288 m Dir: West; Behavior: Slow travel	
		16:58:00 PST	Blow	ND / ND
		0:58; 3/8/2009-GMT	Position: 136° / 1,546 m Dir: West; Behavior: Slow travel	
Mar 08	Total 29	Calves 0	Er Gray whale (northbound)	
Day 35 of 105				
	03	Good-1	Er Total 1 — 0 Calves at sighting	
		9:20:00 PDT	Blow	
		16:20-GMT	Position: 190° / 578 m Dir: West; Behavior: Slow travel • Fluke	
		9:28:00 PDT	Body	
		16:28-GMT	Position: 251° / 1,113 m Dir: West; Behavior: Slow travel • Breach • Fluke <i>three breaches @ Shane's Seep</i>	
		9:33:00 PDT	Blow	Inside / Outside
		16:33-GMT	Position: 270° / 1,546 m Dir: West; Behavior: Slow travel	
	06	Good-1	Er Total 3 — 0 Calves at sighting	
		9:50:00 PDT	Blow	
		16:50-GMT	Position: 182° / 2,553 m Dir: West; Behavior: Slow travel • Rolling • Fluke	
		9:58:00 PDT	Body	
		16:58-GMT	Position: 199° / 3,288 m Dir: West; Behavior: Slow travel • Fluke <i>joined S#7 @ 1010 200°/.2 became group of 5 (tracked as S#7)</i>	
	07	Good-1	Er Total 2 — 0 Calves at sighting	
		9:56:00 PDT	Body	
		16:56-GMT	Position: 185° / 2,872 m Dir: West; Behavior: Slow travel	
		10:02:00 PDT	Blow	
		17:02-GMT	Position: 201° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
		10:10:00 PDT	Body	
		17:10-GMT	Position: 214° / 3,288 m Dir: West; Behavior: Slow travel • Fluke <i>at this point, S#6 whales have joined to make a group of 5</i>	
		10:18:00 PDT	Blow	Outside / Outside
		17:18-GMT	Position: 228° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	
	08	Good-1	Er Total 1 — 0 Calves at sighting	
		10:10:00 PDT	Body	
		17:10-GMT	Position: 175° / 1,019 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting	Quality - Beau	Blow/Body	Holly/Buoys
	Number	Time		
		10:18:00 PDT	Body	
		17:18-GMT	Position: 221° / 840 m Dir: West; Behavior: Slow travel <i>snorkling</i>	
		10:32:00 PDT	Body	Inside /
		17:32-GMT	Position: 254° / 1,778 m Dir: West; Behavior: Slow travel	Outside
11	Fair-0	Er Total 2 — 0 Calves at sighting		
		10:48:00 PDT	Blow	
		17:48-GMT	Position: 175° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	
		10:56:00 PDT	Blow	
		17:56-GMT	Position: 179° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	
		12:01:00 PDT	Blow	Outside /
		19:01-GMT	Position: 234° / 4,712 m Dir: West; Behavior: Slow travel	Outside
12	Fair-0	Er Total 2 — 0 Calves at sighting		
		11:04:00 PDT	Blow	
		18:04-GMT	Position: 126° / 2,872 m Dir: West; Behavior: Slow travel	
		11:11:00 PDT	Blow	
		18:11-GMT	Position: 134° / 2,553 m Dir: West; Behavior: Slow travel • Rolling	
		11:45:00 PDT	Body	
		18:45-GMT	Position: 201° / 2,094 m Dir: West; Behavior: Slow travel	
		11:46:00 PDT	Blow	
		18:46-GMT	Position: 208° / 2,094 m Dir: West; Behavior: Slow travel	
		11:56:00 PDT	Body	Inside / ND
		18:56-GMT	Position: 224° / 2,094 m Dir: West; Behavior: Slow travel	
17	Fair-0	Er Total 1 — 0 Calves at sighting		
		11:20:00 PDT	Blow	
		18:20-GMT	Position: 118° / 1,369 m Dir: West; Behavior: Slow travel	
		11:25:00 PDT	Blow	
		18:25-GMT	Position: 135° / 761 m Dir: West; Behavior: Slow travel • Fluke	
		11:32:00 PDT	Body	
		18:32-GMT	Position: 196° / 485 m Dir: West; Behavior: Slow travel	
		11:41:00 PDT	Body	Inside /
		18:41-GMT	Position: 263° / 939 m Dir: West; Behavior: Slow travel <i>just outside buoys</i>	Outside
20	Fair-2	Er Total 3 — 0 Calves at sighting		
		12:51:00 PDT	Blow	
		19:51-GMT	Position: 197° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	
		13:05:00 PDT	Blow	
		20:05-GMT	Position: 219° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	
		13:12:00 PDT	Body	Outside /
		20:12-GMT	Position: 227° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	Outside
21	Fair-2	Er Total 2 — 0 Calves at sighting		
		13:06:00 PDT	Blow	
		20:06-GMT	Position: 135° / 2,872 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Buoys
		Time	Blow/Body	
		13:38:00 PDT	Blow	ND / ND
		20:38-GMT	Position: 191° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
	26	Fair-1	Er Total 1 — 0 Calves at sighting	Disappeared
		14:43:00 PDT	Body	ND / ND
		21:43-GMT	Position: 163° / 715 m Dir: West; Behavior: Slow travel	
			<i>got a glimpse of back -- disappeared</i>	
	27	Fair-1	Er Total 1 — 0 Calves at sighting	
		15:06:00 PDT	Blow	
		22:06-GMT	Position: 111° / 1,778 m Dir: West; Behavior: Slow travel	
		15:11:00 PDT	Blow	
		22:11-GMT	Position: 113° / 1,369 m Dir: West; Behavior: Slow travel	
		15:13:00 PDT	Blow	
		22:13-GMT	Position: 116° / 1,778 m Dir: West; Behavior: Slow travel	
		15:15:00 PDT	Blow	
		22:15-GMT	Position: 125° / 1,113 m Dir: West; Behavior: Slow travel	
		15:16:00 PDT	Blow	
		22:16-GMT	Position: 128° / 1,019 m Dir: West; Behavior: Slow travel • Fluke	
			<i>"The Half-Fluke" according to Farley Connely</i>	
		15:19:00 PDT	Blow	
		22:19-GMT	Position: 139° / 939 m Dir: West; Behavior: Slow travel • Fluke	
		15:24:00 PDT	Blow	
		22:24-GMT	Position: 166° / 639 m Dir: West; Behavior: Slow travel	
		15:26:00 PDT	Blow	
		22:26-GMT	Position: 184° / 527 m Dir: West; Behavior: Slow travel • Fluke	
		15:28:00 PDT	ni	
		22:28-GMT	Position: 203° / 527 m Dir: West; Behavior: Slow travel	
		15:31:00 PDT	Blow	
		22:31-GMT	Position: 223° / 1,113 m Dir: West; Behavior: Slow travel	
		15:34:00 PDT	Blow	Inside /
		22:34-GMT	Position: 237° / 871 m Dir: West; Behavior: Slow travel	Outside
	28	Fair-1	Er Total 2 — 0 Calves at sighting	
		15:21:00 PDT	Blow	
		22:21-GMT	Position: 181° / 939 m Dir: West; Behavior: Slow travel	
		15:39:00 PDT	Blow	Inside /
		22:39-GMT	Position: 252° / 1,369 m Dir: West; Behavior: Slow travel	Outside
			<i>also a position was entered without a time: Blow 211°/.9 W this was prior to this entry and not entered in the database</i>	
	29	Fair-1	Er Total 1 — 0 Calves at sighting	Disappeared
		15:32:00 PDT	Body	ND / ND
		22:32-GMT	Position: 154° / 2,094 m Dir: West; Behavior: Slow travel	
			<i>like S#26 45 minutes earlier</i>	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau Time	Blow/Body	Holly/Buoys
	31	Good-2	Er Total 2 — 0 Calves at sighting	
		15:42:00 PDT		
		22:42-GMT	; Behavior: Slow travel	
		<i>comment eight months after as I enter data (mhs): This seems like it could have been S#29 ... (described as 1 whale)</i>		
		15:45:00 PDT	Blow	
		22:45-GMT	Position: 178° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
		15:54:00 PDT	Blow	NI / NI
		22:54-GMT	Position: 204° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	
	32	Good-2	Er Total 2 — 0 Calves at sighting	
		15:43:00 PDT	ni	
		22:43-GMT	Position: 168° / 3,288 m Dir: West; Behavior: Slow travel	
		15:50:00 PDT	Blow	NI / NI
		22:50-GMT	Position: 177° / 3,288 m Dir: West; Behavior: Slow travel	
	34	Good-2	Er Total 1 — 0 Calves at sighting	
		16:05:00 PDT	Body	
		23:05-GMT	Position: 145° / 418 m Dir: West; Behavior: Slow travel • Fluke	
		16:11:00 PDT	Blow	Inside / ND
		23:11-GMT	Position: 238° / 495 m Dir: West; Behavior: Slow travel • Fluke	
	36	Good-2	Er Total 2 — 0 Calves at sighting	
		16:35:00 PDT	Blow	
		23:35-GMT	Position: 103° / 2,553 m Dir: West; Behavior: Slow travel	
		16:40:00 PDT	ni	
		23:40-GMT	Position: 105° / 2,094 m Dir: West; Behavior: Slow travel	
		16:45:00 PDT	Blow	
		23:45-GMT	Position: 111° / 1,778 m Dir: West; Behavior: Slow travel	
		16:51:00 PDT	Blow	
		23:51-GMT	Position: 124° / 1,369 m Dir: West; Behavior: Slow travel	
		16:56:00 PDT	Blow	
		23:56-GMT	Position: 142° / 871 m Dir: West; Behavior: Slow travel	
		17:00:00 PDT	Blow	
		0:00; 3/9/2009-GMT	Position: 167° / 639 m Dir: West; Behavior: Slow travel	
		17:04:00 PDT	Blow	
		0:04; 3/9/2009-GMT	Position: 196° / 761 m Dir: West; Behavior: Slow travel	
		17:05:00 PDT	Blow	Inside / ND
		0:05; 3/9/2009-GMT	Position: 206° / 607 m Dir: West; Behavior: Slow travel • Fluke	
Mar 09	Total 15	Calves 0	Er Gray whale (northbound)	
Day 36 of 105				
	05	Fair-3	Er Total 3 — 0 Calves at sighting	
		10:56:00 PDT	Blow	
		17:56-GMT	Position: 143° / 4,712 m Dir: West; Behavior: Slow travel	
		<i>Condor on whales @ 1058</i>		

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Blow/Body	Holly/Buoys
		Time		
		11:06:00 PDT	Blow	
		18:06-GMT	Position: 145° / 4,712 m Dir: West; Behavior: Slow travel	
		11:16:00 PDT	Blow	
		18:16-GMT	Position: 155° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	
		11:24:00 PDT	Blow	
		18:24-GMT	Position: 166° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
		11:34:00 PDT	Blow	
		18:34-GMT	Position: 184° / 2,553 m Dir: West; Behavior: Slow travel	
		11:49:00 PDT	ni	
		18:49-GMT	Position: 217° / 2,872 m Dir: West; Behavior: Slow travel	
		12:00:00 PDT	Blow	NI / NI
		19:00-GMT	Position: 234° / 2,872 m Dir: West; Behavior: Slow travel	
06	Fair-3	Er Total 2 — 0 Calves at sighting		
		11:24:00 PDT	Blow	
		18:24-GMT	Position: 167° / 812 m Dir: West; Behavior: Slow travel	
		11:33:00 PDT	Blow	
		18:33-GMT	Position: 221° / 871 m Dir: West; Behavior: Slow travel	
		11:38:00 PDT	Blow	
		18:38-GMT	Position: 241° / 1,113 m Dir: West; Behavior: Slow travel	
		11:44:00 PDT	Blow	Inside /
		18:44-GMT	Position: 256° / 1,369 m Dir: West; Behavior: Slow travel	Outside
09	Fair-3	Er Total 1 — 0 Calves at sighting		
		11:58:00 PDT	Blow	
		18:58-GMT	Position: 118° / 1,546 m Dir: West; Behavior: Slow travel	
		12:01:00 PDT	Blow	
		19:01-GMT	Position: 118° / 1,113 m Dir: West; Behavior: Slow travel	
		12:08:00 PDT	Blow	
		19:08-GMT	Position: 118° / 1,019 m Dir: West; Behavior: Slow travel	
		12:14:00 PDT	Blow	
		19:14-GMT	Position: 116° / 871 m Dir: West; Behavior: Slow travel	
		12:19:00 PDT	Blow	
		19:19-GMT	Position: 116° / 812 m Dir: West; Behavior: Slow travel	
		12:23:00 PDT	Blow	
		19:23-GMT	Position: 120° / 812 m Dir: West; Behavior: Slow travel	
		12:26:00 PDT	Body	
		19:26-GMT	Position: 121° / 812 m Dir: West; Behavior: Slow travel	
		12:31:00 PDT	Blow	
		19:31-GMT	Position: 133° / 551 m Dir: West; Behavior: Slow travel	
		12:40:00 PDT	Blow	
		19:40-GMT	Position: 150° / 505 m Dir: West; Behavior: Slow travel	
		12:41:00 PDT	Blow	
		19:41-GMT	Position: 164° / 466 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting	Quality - Beau	Blow/Body	Holly/Buoys
	Number	Time		
		12:48:00 PDT	Blow	Inside / ND
		19:48-GMT	Position: 233° / 623 m Dir: West; Behavior: Slow travel	
10	Fair-3	Er Total 2 — 0 Calves at sighting		
		12:23:00 PDT	Blow	
		19:23-GMT	Position: 112° / 1,778 m Dir: West; Behavior: Slow travel	
		12:29:00 PDT	Blow	
		19:29-GMT	Position: 123° / 1,546 m Dir: West; Behavior: Slow travel	
		12:35:00 PDT	Blow	
		19:35-GMT	Position: 149° / 607 m Dir: West; Behavior: Slow travel	
		12:40:00 PDT	Blow	
		19:40-GMT	Position: 167° / 607 m Dir: West; Behavior: Slow travel	
		12:43:00 PDT	Blow	NI / NI
		19:43-GMT	Position: 191° / 449 m Dir: West; Behavior: Slow travel	
11	Fair-3	Er Total 1 — 0 Calves at sighting		
		12:54:00 PDT	Blow	
		19:54-GMT	Position: 145° / 1,294 m Dir: West; Behavior: Slow travel	
		12:59:00 PDT	Blow	
		19:59-GMT	Position: 163° / 1,113 m Dir: West; Behavior: Slow travel	
		13:01:00 PDT	Blow	NI / NI
		20:01-GMT	Position: 165° / 1,113 m Dir: West; Behavior: Slow travel	
18	Fair-3	Er Total 6 — 0 Calves at sighting		
		13:26:00 PDT	Blow	
		20:26-GMT	Position: 110° / 2,872 m Dir: West; Behavior: Slow travel	
		13:31:00 PDT	Blow	
		20:31-GMT	Position: 108° / 2,872 m Dir: West; Behavior: Slow travel	
		13:40:00 PDT	Blow	
		20:40-GMT	Position: 111° / 2,094 m Dir: West; Behavior: Slow travel	
		13:42:00 PDT	Blow	
		20:42-GMT	Position: 115° / 1,778 m Dir: West; Behavior: Slow travel	
		13:46:00 PDT	Blow	
		20:46-GMT	Position: 118° / 1,294 m Dir: West; Behavior: Slow travel	
		13:49:00 PDT	Blow	
		20:49-GMT	Position: 124° / 840 m Dir: West; Behavior: Slow travel	
		13:53:00 PDT	Blow	
		20:53-GMT	Position: 132° / 623 m Dir: West; Behavior: Slow travel • Fluke	
		13:54:00 PDT	Blow	
		20:54-GMT	Position: 152° / 418 m Dir: West; Behavior: Slow travel • Rolling	
		13:59:00 PDT	Body	
		20:59-GMT	Position: 174° / 527 m Dir: West; Behavior: Slow travel	

Mar 10 Total 19 Calves 0 Er Gray whale (northbound)
Day 37 of 105

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting	Quality - Beau	Blow/Body	Holly/Buoys
	Number	Time		
	03	Fair-1	Er Total 2 — 0 Calves at sighting	
		9:17:00 PDT	Blow	
		16:17-GMT	Position: 100° / 3,288 m Dir: West; Behavior: Slow travel	
		9:33:00 PDT	Blow	
		16:33-GMT	Position: 101° / 2,553 m Dir: West; Behavior: Slow travel	
		9:37:00 PDT	Blow	
		16:37-GMT	Position: 104° / 2,553 m Dir: West; Behavior: Slow travel	
		9:47:00 PDT	Blow	
		16:47-GMT	Position: 106° / 2,553 m Dir: West; Behavior: Slow travel • Rolling	
			<i>rolling with dolphins</i>	
		10:04:00 PDT	Blow	
		17:04-GMT	Position: 115° / 871 m Dir: West; Behavior: Slow travel	
		10:07:00 PDT	Body	
		17:07-GMT	Position: 152° / 1,369 m Dir: West; Behavior: Slow travel	
		10:10:00 PDT	Blow	
		17:10-GMT	Position: 164° / 639 m Dir: West; Behavior: Slow travel • Fluke	
		10:17:00 PDT	Body	
		17:17-GMT	Position: 234° / 639 m Dir: West; Behavior: Slow travel • Breach • Rolling	
		10:23:00 PDT	Blow	Inside / Inside
		17:23-GMT	Position: 265° / 715 m Dir: West; Behavior: Slow travel • Rolling	
	04	Fair-1	Er Total 1 — 0 Calves at sighting	
		9:21:00 PDT	Blow	
		16:21-GMT	Position: 124° / 1,369 m Dir: West; Behavior: Slow travel	
		9:24:00 PDT	Blow	
		16:24-GMT	Position: 132° / 1,369 m Dir: West; Behavior: Slow travel	
		9:25:00 PDT	Blow	
		16:25-GMT	Position: 135° / 871 m Dir: West; Behavior: Slow travel	
		9:32:00 PDT	Blow	
		16:32-GMT	Position: 204° / 761 m Dir: West; Behavior: Slow travel	
		9:37:00 PDT	Body	Inside /
		16:37-GMT	Position: 250° / 871 m Dir: West; Behavior: Slow travel	Outside
			<i>small whale</i>	
	11	Fair-1	Er Total 2 — 0 Calves at sighting	
		10:41:00 PDT	Blow	
		17:41-GMT	Position: 97° / 3,288 m Dir: West; Behavior: Slow travel	
		10:44:00 PDT	Blow	
		17:44-GMT	Position: 101° / 3,288 m Dir: West; Behavior: Slow travel	
		10:50:00 PDT	Blow	
		17:50-GMT	Position: 102° / 3,288 m Dir: West; Behavior: Slow travel • Rolling	
		10:56:00 PDT	Blow	
		17:56-GMT	Position: 104° / 2,872 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Blow/Body	Holly/Buoys
		Time		
		11:03:00 PDT	Blow	
		18:03-GMT	Position: 109° / 2,872 m Dir: West; Behavior: Slow travel • Rolling <i>rolling with dolphins</i>	
		11:21:00 PDT	Blow	
		18:21-GMT	Position: 115° / 1,778 m Dir: West; Behavior: Slow travel • Rolling	
		11:27:00 PDT	Blow	
		18:27-GMT	Position: 119° / 1,546 m Dir: West; Behavior: Slow travel • Rolling • Fluke	
		11:46:00 PDT	Blow	
		18:46-GMT	Position: 181° / 551 m Dir: West; Behavior: Slow travel • Rolling	
		11:50:00 PDT	Blow	
		18:50-GMT	Position: 224° / 551 m Dir: West; Behavior: Slow travel	
		11:53:00 PDT	Body	
		18:53-GMT	Position: 239° / 623 m Dir: West; Behavior: Slow travel	
		11:55:00 PDT	ni	Inside /
		18:55-GMT	Position: 250° / 1,019 m Dir: West; Behavior: Slow travel • Fluke	Outside
17	Fair-2	Er Total 3 — 0 Calves at sighting		
		12:56:00 PDT	Blow	
		19:56-GMT	Position: 131° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
		13:02:00 PDT	Body	
		20:02-GMT	Position: 135° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	
		13:04:00 PDT	Blow	
		20:04-GMT	Position: 139° / 2,872 m Dir: West; Behavior: Slow travel	
		13:07:00 PDT	Blow	
		20:07-GMT	Position: 145° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
		13:13:00 PDT	Blow	
		20:13-GMT	Position: 155° / 2,872 m Dir: West; Behavior: Slow travel	
		13:15:00 PDT	ni	
		20:15-GMT	Position: 161° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
		13:17:00 PDT	Blow	
		20:17-GMT	Position: 169° / 2,872 m Dir: West; Behavior: Slow travel	
		13:25:00 PDT	ni	
		20:25-GMT	Position: 199° / 1,546 m Dir: West; Behavior: Slow travel	
		13:29:00 PDT	Blow	
		20:29-GMT	Position: 216° / 1,778 m Dir: West; Behavior: Slow travel • Breach • Fluke <i>breaching -- possibly more than three animals</i>	
		13:37:00 PDT	Blow	Inside /
		20:37-GMT	Position: 239° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	Outside
19	Fair-1	Er Total 1 — 0 Calves at sighting		
		13:20:00 PDT	Body	
		20:20-GMT	Position: 141° / 485 m Dir: West; Behavior: Slow travel • Fluke	
		13:26:00 PDT	Blow	
		20:26-GMT	Position: 234° / 466 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Blow/Body	Holly/Buoys
		Time		
		13:30:00 PDT	Blow	
		20:30-GMT	Position: 264° / 551 m Dir: West; Behavior: Slow travel	
		13:31:00 PDT	Blow	Inside /
		20:31-GMT	Position: 269° / 715 m Dir: West; Behavior: Slow travel	Through
	22	Fair-1	Er Total 4 — 0 Calves at sighting	
		14:03:00 PDT	Blow	
		21:03-GMT	Position: 142° / 2,094 m Dir: West; Behavior: Slow travel	
		14:09:00 PDT	Blow	
		21:09-GMT	Position: 159° / 1,546 m Dir: West; Behavior: Slow travel	
		14:19:00 PDT	Blow	
		21:19-GMT	Position: 194° / 1,228 m Dir: West; Behavior: Slow travel	
		<i>passed by Lady Olga -- 4 flukes</i>		
		<i>Not entered on vessel sheet as an interaction.</i>		
		14:27:00 PDT	Blow	Inside /
		21:27-GMT	Position: 226° / 1,228 m Dir: West; Behavior: Slow travel	Outside
	24	Fair-1	Er Total 2 — 0 Calves at sighting	
		15:06:00 PDT	Blow	
		22:06-GMT	Position: 127° / 2,872 m Dir: West; Behavior: Slow travel	
		15:15:00 PDT	Blow	
		22:15-GMT	Position: 143° / 2,553 m Dir: West; Behavior: Slow travel	
		15:17:00 PDT	Blow	
		22:17-GMT	Position: 148° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
		15:28:00 PDT	Blow	
		22:28-GMT	Position: 185° / 1,546 m Dir: West; Behavior: Slow travel	
		15:33:00 PDT	Blow	ND / ND
		22:33-GMT	Position: 204° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	
	25	Fair-3	Er Total 2 — 0 Calves at sighting	
		16:03:00 PDT	Blow	
		23:03-GMT	Position: 117° / 2,094 m Dir: West; Behavior: Slow travel	
		16:16:00 PDT	Blow	
		23:16-GMT	Position: 149° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
		16:25:00 PDT	Blow	
		23:25-GMT	Position: 159° / 2,553 m Dir: West; Behavior: Slow travel	
		16:38:00 PDT	Blow	
		23:38-GMT	Position: 183° / 1,546 m Dir: West; Behavior: Slow travel • Fluke	
		16:40:00 PDT	Blow	
		23:40-GMT	Position: 190° / 2,094 m Dir: West; Behavior: Slow travel	
		16:45:00 PDT	Blow	Inside /
		23:45-GMT	Position: 216° / 1,228 m Dir: West; Behavior: Slow travel • Fluke	Outside
	26	Fair-3	Er Total 2 — 0 Calves at sighting	
		16:21:00 PDT	ni	Inside /
		23:21-GMT	Position: 218° / 2,094 m Dir: West; Behavior: Slow travel	Outside

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Buoys
Mar 11	Total 10	Calves 0	Er Gray whale (northbound)		
Day 38 of 105					
<hr/>					
06	Poor-0	Er Total 1 — 0 Calves at sighting			
<hr/>					
			9:34:00 PDT	Body	
			16:34-GMT	Position: 135° / 607 m Dir: West; Behavior: Slow travel	
<hr/>					
			9:38:00 PDT	Body	
			16:38-GMT	Position: 169° / 485 m Dir: West; Behavior: Slow travel	
<hr/>					
			9:41:00 PDT	Body	Inside / ND
			16:41-GMT	Position: 221° / 485 m Dir: West; Behavior: Slow travel	
<hr/>					
08	Poor-0	Er Total 2 — 0 Calves at sighting			
<hr/>					
			9:50:00 PDT	Body	
			16:50-GMT	Position: 109° / 1,778 m Dir: West; Behavior: Slow travel • Rolling	
<hr/>					
			9:55:00 PDT	Blow	
			16:55-GMT	Position: 116° / 1,546 m Dir: West; Behavior: Slow travel • Rolling	
<hr/>					
			9:59:00 PDT	Blow	
			16:59-GMT	Position: 124° / 1,369 m Dir: West; Behavior: Slow travel	
<hr/>					
			10:03:00 PDT	Body	
			17:03-GMT	Position: 132° / 1,019 m Dir: West; Behavior: Slow travel • Rolling	
<hr/>					
			10:15:00 PDT	Blow	
			17:15-GMT	Position: 170° / 715 m Dir: West; Behavior: Slow travel • Rolling	
<hr/>					
			10:21:00 PDT	Body	
			17:21-GMT	Position: 213° / 607 m Dir: West; Behavior: Slow travel • Rolling	
<hr/>					
			10:29:00 PDT	Body	Inside / ND
			17:29-GMT	Position: 249° / 939 m Dir: West; Behavior: Slow travel • Fluke	
<hr/>					
13	Poor-0	Er Total 1 — 0 Calves at sighting <i>Disappeared</i>			
<hr/>					
			10:14:00 PDT	Body	ND / ND
			17:14-GMT	Position: 219° / 551 m Dir: West; Behavior: Slow travel	
			<i>saw once -- bearing + reticle approximate, direction certain</i>		
<hr/>					
18	Poor-2	Er Total 1 — 0 Calves at sighting <i>Disappeared</i>			
<hr/>					
			10:57:00 PDT	Blow	ND / ND
			17:57-GMT	Position: 157° / 675 m Dir: West; Behavior: Slow travel	
			<i>saw once</i>		
<hr/>					
32	Fair-1	Er Total 2 — 0 Calves at sighting			
<hr/>					
			15:17:00 PDT	Blow	
			22:17-GMT	Position: 114° / 1,546 m Dir: West; Behavior: Slow travel	
<hr/>					
			15:19:00 PDT	Blow	
			22:19-GMT	Position: 114° / 1,546 m Dir: West; Behavior: Slow travel • Fluke	
<hr/>					
			15:21:00 PDT	Blow	
			22:21-GMT	Position: 114° / 1,546 m Dir: Stationary; Behavior: Slow travel • Rolling	
<hr/>					
			15:28:00 PDT	Blow	
			22:28-GMT	Position: 120° / 1,228 m Dir: West; Behavior: Slow travel • Rolling	
<hr/>					
			15:33:00 PDT	Blow	
			22:33-GMT	Position: 121° / 939 m Dir: West; Behavior: Slow travel • Rolling	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Blow/Body	Holly/Buoys
		Time		
		15:37:00 PDT	Blow	
		22:37-GMT	Position: 124° / 871 m Dir: West; Behavior: Slow travel • Rolling • Fluke	
		15:42:00 PDT	Body	
		22:42-GMT	Position: 135° / 551 m Dir: West; Behavior: Slow travel • Rolling	
		15:48:00 PDT	Body	
		22:48-GMT	Position: 148° / 390 m Dir: West; Behavior: Slow travel • Rolling	
		15:50:00 PDT	Body	
		22:50-GMT	Position: 169° / 378 m Dir: West; Behavior: Slow travel • Rolling	
		15:54:00 PDT	Body	
		22:54-GMT	Position: 206° / 390 m Dir: West; Behavior: Slow travel	
		15:57:00 PDT	Blow	
		22:57-GMT	Position: 230° / 404 m Dir: West; Behavior: Slow travel	
		16:01:00 PDT	Blow	
		23:01-GMT	Position: 250° / 466 m Dir: West; Behavior: Slow travel	
		16:03:00 PDT	Blow	
		23:03-GMT	Position: 254° / 715 m Dir: West; Behavior: Slow travel	
		16:06:00 PDT	Blow	
		23:06-GMT	Position: 260° / 812 m Dir: West; Behavior: Slow travel	
		16:08:00 PDT	Blow	Inside /
		23:08-GMT	Position: 268° / 871 m Dir: West; Behavior: Slow travel • Fluke	Through
38	Fair-1	Er Total 3 — 0 Calves at sighting		
		16:43:00 PDT	Blow	
		23:43-GMT	Position: 121° / 3,288 m Dir: West; Behavior: Slow travel	
		16:51:00 PDT	Blow	ND / ND
		23:51-GMT	Position: 123° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	
Mar 12	Total 11 Calves 0	Er Gray whale (northbound)		
	Day 39 of 105			
04	Fair-0	Er Total 1 — 0 Calves at sighting		
		9:14:00 PDT	Body	
		16:14-GMT	Position: 161° / 1,113 m Dir: West; Behavior: Slow travel	
		9:26:00 PDT	Body	Inside / ND
		16:26-GMT	Position: 217° / 1,019 m Dir: West; Behavior: Slow travel	
10	Fair-1	Er Total 2 — 0 Calves at sighting		
		11:03:00 PDT	Body	
		18:03-GMT	Position: 158° / 2,872 m Dir: West; Behavior: Slow travel	
		11:11:00 PDT	Blow	
		18:11-GMT	Position: 175° / 2,553 m Dir: West; Behavior: Slow travel	
		11:22:00 PDT	Blow	
		18:22-GMT	Position: 196° / 2,553 m Dir: West; Behavior: Slow travel	
		11:32:00 PDT	Blow	
		18:32-GMT	Position: 227° / 2,872 m Dir: West; Behavior: Slow travel	
		11:37:00 PDT	ni	Inside /
		18:37-GMT	Position: 237° / 2,094 m Dir: West; Behavior: Slow travel	Outside

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau Time	Blow/Body	Holly/Buoys
	11	Fair-1	Er Total 2 — 0 Calves at sighting	
		11:18:00 PDT	Blow	
		18:18-GMT	Position: 155° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	
		11:26:00 PDT	Blow	
		18:26-GMT	Position: 160° / 1,778 m Dir: West; Behavior: Slow travel	
		11:30:00 PDT	Body	
		18:30-GMT	Position: 169° / 1,228 m Dir: West; Behavior: Slow travel • Fluke	
		11:45:00 PDT	Blow	Inside /
		18:45-GMT	Position: 237° / 1,113 m Dir: West; Behavior: Slow travel • Fluke	Outside
	13	Fair-1	Er Total 1 — 0 Calves at sighting	
		11:37:00 PDT	Blow	
		18:37-GMT	Position: 129° / 2,872 m Dir: West; Behavior: Slow travel	
		11:46:00 PDT	Body	ND / ND
		18:46-GMT	Position: 149° / 1,546 m Dir: West; Behavior: Slow travel	
	15	Fair-1	Er Total 1 — 0 Calves at sighting	
		11:47:00 PDT	Blow	
		18:47-GMT	Position: 131° / 639 m Dir: West; Behavior: Slow travel	
		11:49:00 PDT	Blow	
		18:49-GMT	Position: 146° / 485 m Dir: West; Behavior: Slow travel	
		11:54:00 PDT	Blow	
		18:54-GMT	Position: 220° / 367 m Dir: West; Behavior: Slow travel	
		11:56:00 PDT	Body	Inside / ND
		18:56-GMT	Position: 242° / 505 m Dir: West; Behavior: Slow travel	
		<i>Passed by or approaching near array @ 1200</i>		
	17	Fair-2	Er Total 2 — 0 Calves at sighting	
		13:27:00 PDT	Blow	
		20:27-GMT	Position: 152° / 2,872 m Dir: West; Behavior: Slow travel	
		13:37:00 PDT	Blow	
		20:37-GMT	Position: 162° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
		13:44:00 PDT	Blow	
		20:44-GMT	Position: 171° / 2,872 m Dir: West; Behavior: Slow travel	
		13:53:00 PDT	Blow	
		20:53-GMT	Position: 190° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
		13:59:00 PDT	Blow	
		20:59-GMT	Position: 205° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
		14:07:00 PDT	Blow	
		21:07-GMT	Position: 219° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
		<i>both fluked</i>		
		14:11:00 PDT	Blow	
		21:11-GMT	Position: 232° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
		14:21:00 PDT	Blow	Inside /
		21:21-GMT	Position: 243° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	Outside

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting	Quality - Beau	Blow/Body	Holly/Buoys
	Number	Time		
	22	Fair-3	Er Total 1 — 0 Calves at sighting	
		14:26:00 PDT	Blow	
		21:26-GMT	Position: 148° / 1,369 m Dir: West; Behavior: Slow travel	
		14:33:00 PDT	Blow	ND / ND
		21:33-GMT	Position: 175° / 1,369 m Dir: West; Behavior: Slow travel	
	27	Fair-3	Er Total 1 — 0 Calves at sighting	
		14:50:00 PDT	Body	
		21:50-GMT	Position: 134° / 527 m Dir: West; Behavior: Slow travel	
		14:51:00 PDT	Blow	
		21:51-GMT	Position: 142° / 449 m Dir: West; Behavior: Slow travel	
		14:56:00 PDT	Body	
		21:56-GMT	Position: 227° / 378 m Dir: West; Behavior: Slow travel	
		14:57:00 PDT	Body	
		21:57-GMT	Position: 234° / 404 m Dir: West; Behavior: Slow travel	
		14:58:00 PDT	Blow	Inside / ND
		21:58-GMT	Position: 242° / 505 m Dir: West; Behavior: Slow travel	
Mar 13	Total 11	Calves 0	Er Gray whale (northbound)	
Day 40 of 105				
	08	Fair-2	Er Total 1 — 0 Calves at sighting	
		11:27:00 PDT	Blow	
		18:27-GMT	Position: 124° / 1,778 m Dir: West; Behavior: Slow travel	
		11:35:00 PDT	Body	ND / ND
		18:35-GMT	Position: 152° / 1,228 m Dir: West; Behavior: Slow travel	
	10	Fair-2	Er Total 1 — 0 Calves at sighting	
		12:11:00 PDT	Blow	
		19:11-GMT	Position: 116° / 1,369 m Dir: West; Behavior: Slow travel	
		12:24:00 PDT	Blow	Inside / ND
		19:24-GMT	Position: 205° / 418 m Dir: West; Behavior: Slow travel	
	13	Fair-2	Er Total 2 — 0 Calves at sighting	
		13:10:00 PDT	Blow	
		20:10-GMT	Position: 107° / 2,094 m Dir: West; Behavior: Slow travel	
		13:17:00 PDT	Blow	
		20:17-GMT	Position: 111° / 1,778 m Dir: West; Behavior: Slow travel	
		13:18:00 PDT	Blow	
		20:18-GMT	Position: 114° / 1,778 m Dir: West; Behavior: Slow travel	
		13:23:00 PDT	Blow	
		20:23-GMT	Position: 114° / 1,369 m Dir: West; Behavior: Slow travel	
		13:25:00 PDT	Blow	
		20:25-GMT	Position: 119° / 1,369 m Dir: West; Behavior: Slow travel	
		13:27:00 PDT	Blow	
		20:27-GMT	Position: 124° / 1,294 m Dir: West; Behavior: Slow travel	
		13:30:00 PDT	Blow	
		20:30-GMT	Position: 132° / 871 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Buoys
		Time	Blow/Body	
		13:37:00 PDT	Blow	
		20:37-GMT	Position: 172° / 551 m Dir: West; Behavior: Slow travel	
		13:39:00 PDT	Blow	
		20:39-GMT	Position: 198° / 551 m Dir: West; Behavior: Slow travel • Rolling	
		13:43:00 PDT	ni	
		20:43-GMT	Position: 236° / 527 m Dir: West; Behavior: Slow travel	
		13:45:00 PDT	Blow	
		20:45-GMT	Position: 245° / 607 m Dir: West; Behavior: Slow travel	
		13:48:00 PDT	Blow	
		20:48-GMT	Position: 260° / 840 m Dir: West; Behavior: Slow travel	
		13:53:00 PDT	Blow	
		20:53-GMT	Position: 272° / 1,228 m Dir: West; Behavior: Slow travel	
		13:54:00 PDT	Blow	Inside /
		20:54-GMT	Position: 273° / 1,228 m Dir: West; Behavior: Slow travel	Through
14	Fair-3	Er Total 5 — 0 Calves at sighting		
		13:31:00 PDT	Blow	
		20:31-GMT	Position: 132° / 4,712 m Dir: West; Behavior: Slow travel	
		14:04:00 PDT	Blow	
		21:04-GMT	Position: 151° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
		14:14:00 PDT	Blow	
		21:14-GMT	Position: 169° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
		14:26:00 PDT	Blow	
		21:26-GMT	Position: 205° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
			<i>some confusion because Mn in area</i>	
		14:37:00 PDT	Blow	
		21:37-GMT	Position: 237° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
		14:47:00 PDT	Blow	Outside /
		21:47-GMT	Position: 257° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	Outside
24	Fair-3	Er Total 2 — 0 Calves at sighting		
		14:18:00 PDT	Blow	
		21:18-GMT	Position: 274° / 1,546 m Dir: West; Behavior: Slow travel • Rolling	
			<i>possibly S#13 -- check acoustic data</i>	
		14:55:00 PDT	Blow	
		21:55-GMT	Position: 275° / 1,546 m Dir: West; Behavior: Slow travel • Fluke	
		15:00:00 PDT	Blow	Inside /
		22:00-GMT	Position: 277° / 1,778 m Dir: ni; Behavior: Slow travel	Through

Mar 14 Total 15 Calves 0 Er Gray whale (northbound)
Day 41 of 105

04	Poor-1	Er Total 2 — 0 Calves at sighting		
		9:46:00 PDT	Blow	
		16:46-GMT	Position: 117° / 2,553 m Dir: West; Behavior: Slow travel	
		9:57:00 PDT	Blow	
		16:57-GMT	Position: 147° / 1,369 m Dir: West; Behavior: Slow travel • Fluke	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting	Quality - Beau	Blow/Body	Holly/Buoys
	Number	Time		
		10:06:00 PDT	Blow	Inside / ND
		17:06-GMT	Position: 205° / 840 m Dir: West; Behavior: Slow travel	
05	Poor-1	Er Total 1 — 0 Calves at sighting		
		10:05:00 PDT	Blow	Inside /
		17:05-GMT	Position: 240° / 1,113 m Dir: West; Behavior: Slow travel	Outside
		<i>one look --- perhaps ULW SC#3</i>		
12	Poor-1	Er Total 4 — 0 Calves at sighting		
		11:35:00 PDT	Blow	
		18:35-GMT	Position: 115° / 2,872 m Dir: West; Behavior: Slow travel	
		11:41:00 PDT	Blow	
		18:41-GMT	Position: 116° / 2,872 m Dir: West; Behavior: Slow travel	
		11:46:00 PDT	Blow	
		18:46-GMT	Position: 118° / 2,872 m Dir: West; Behavior: Slow travel	
		11:55:00 PDT	Blow	
		18:55-GMT	Position: 121° / 2,872 m Dir: West; Behavior: Slow travel • Rolling • Fluke	
		12:05:00 PDT	Blow	
		19:05-GMT	Position: 125° / 1,778 m Dir: West; Behavior: Slow travel	
		12:11:00 PDT	Blow	
		19:11-GMT	Position: 137° / 1,294 m Dir: West; Behavior: Slow travel	
		12:15:00 PDT	Blow	
		19:15-GMT	Position: 148° / 812 m Dir: West; Behavior: Slow travel • Fluke	
		12:28:00 PDT	Blow	
		19:28-GMT	Position: 236° / 871 m Dir: West; Behavior: Slow travel	
		12:35:00 PDT	Blow	Inside /
		19:35-GMT	Position: 259° / 1,546 m Dir: West; Behavior: Slow travel • Rolling • Fluke	Outside
		12:21:00 PDT	Blow	
		19:21-GMT	Position: 186° / 639 m Dir: West; Behavior: Slow travel • Fluke	
14	Poor-3	Er Total 1 — 0 Calves at sighting		
		14:06:00 PDT	Blow	
		21:06-GMT	Position: 120° / 1,294 m Dir: West; Behavior: Slow travel	
		14:14:00 PDT	Blow	
		21:14-GMT	Position: 158° / 551 m Dir: West; Behavior: Slow travel	
		14:30:00 PDT	Blow	Inside /
		21:30-GMT	Position: 283° / 1,546 m Dir: West; Behavior: Slow travel	Through
15	Poor-3	Er Total 1 — 0 Calves at sighting		
		14:09:00 PDT	Blow	
		21:09-GMT	Position: 101° / 2,553 m Dir: West; Behavior: Slow travel	
		14:32:00 PDT	Blow	
		21:32-GMT	Position: 125° / 1,294 m Dir: West; Behavior: Slow travel	
		14:40:00 PDT	Body	
		21:40-GMT	Position: 171° / 551 m Dir: West; Behavior: Slow travel	
		14:49:00 PDT	Blow	
		21:49-GMT	Position: 255° / 761 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Buoys
		Time	Blow/Body	
		14:52:00 PDT	Blow	Inside /
		21:52-GMT	Position: 266° / 1,369 m Dir: West; Behavior: Slow travel	Outside
		<i>passed directly over array</i>		
16	Poor-3	Er Total 2 — 0 Calves at sighting		
		14:31:00 PDT	Blow	
		21:31-GMT	Position: 157° / 715 m Dir: West; Behavior: Slow travel	
		14:37:00 PDT	Body	
		21:37-GMT	Position: 221° / 812 m Dir: West; Behavior: Slow travel	
		14:40:00 PDT	Blow	
		21:40-GMT	Position: 241° / 939 m Dir: West; Behavior: Slow travel	
		14:54:00 PDT	Blow	Inside /
		21:54-GMT	Position: 275° / 2,553 m Dir: West; Behavior: Slow travel	Outside
20	Fair-3	Er Total 2 — 0 Calves at sighting		
		15:51:00 PDT	Blow	
		22:51-GMT	Position: 175° / 2,094 m Dir: West; Behavior: Slow travel	
		15:59:00 PDT	Blow	
		22:59-GMT	Position: 193° / 2,094 m Dir: West; Behavior: Slow travel	
		16:05:00 PDT	Blow	
		23:05-GMT	Position: 211° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
		16:13:00 PDT	Blow	
		23:13-GMT	Position: 230° / 2,094 m Dir: West; Behavior: Slow travel	
		16:34:00 PDT	Blow	Inside /
		23:34-GMT	Position: 258° / 2,553 m Dir: West; Behavior: Slow travel	Outside
22	Fair-4	Er Total 2 — 0 Calves at sighting		
		16:40:00 PDT	Blow	
		23:40-GMT	Position: 120° / 871 m Dir: West; Behavior: Slow travel	
		16:47:00 PDT	Blow	
		23:47-GMT	Position: 156° / 466 m Dir: West; Behavior: Slow travel	
		16:53:00 PDT	Blow	Inside / ND
		23:53-GMT	Position: 234° / 485 m Dir: West; Behavior: Slow travel	
Mar 15	Total 10 Calves 0	Er Gray whale (northbound)		
	Day 42 of 105			
01	Poor-0	Er Total 1 — 0 Calves at sighting		
		8:45:00 PDT	Blow	Inside / ND
		15:45-GMT	Position: 234° / 505 m Dir: West; Behavior: Slow travel	
		<i>possibly seen by observer @ 285°, just outside waves -- likely yearling</i>		
02	Poor-0	Er Total 2 — 0 Calves at sighting		
		9:12:00 PDT	Blow	
		16:12-GMT	Position: 130° / 1,019 m Dir: West; Behavior: Slow travel • Fluke	
		9:15:00 PDT	Body	
		16:15-GMT	Position: 144° / 639 m Dir: West; Behavior: Slow travel	
		9:22:00 PDT	Blow	
		16:22-GMT	Position: 189° / 623 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Blow/Body	Holly/Buoys
	Time			
	9:24:00 PDT		Blow	
	16:24-GMT		Position: 214° / 607 m Dir: West; Behavior: Slow travel	
	9:33:00 PDT		Blow	Inside /
	16:33-GMT		Position: 250° / 715 m Dir: West; Behavior: Slow travel	Outside
	<i>Condor caught whales @ 1015 (west of Point) and saw yearling (S#1 + and pair S#2)</i>			
08	Poor-0	Er Total 1 — 0 Calves at sighting		
	10:19:00 PDT		Blow	
	17:19-GMT		Position: 144° / 2,553 m Dir: West; Behavior: Slow travel	
	10:24:00 PDT		Blow	
	17:24-GMT		Position: 146° / 2,553 m Dir: West; Behavior: Slow travel	
	10:27:00 PDT		Blow	
	17:27-GMT		Position: 148° / 2,553 m Dir: West; Behavior: Slow travel	
	10:36:00 PDT		Blow	
	17:36-GMT		Position: 158° / 2,094 m Dir: West; Behavior: Slow travel	
	10:40:00 PDT		Blow	
	17:40-GMT		Position: 164° / 1,778 m Dir: West; Behavior: Slow travel	
	10:50:00 PDT		Blow	
	17:50-GMT		Position: 203° / 1,369 m Dir: West; Behavior: Slow travel	
	10:57:00 PDT		Blow	
	17:57-GMT		Position: 228° / 1,369 m Dir: West; Behavior: Slow travel	
	11:09:00 PDT		Blow	Inside /
	18:09-GMT		Position: 244° / 1,369 m Dir: West; Behavior: Slow travel	Outside
10	Poor-0	Er Total 1 — 0 Calves at sighting <i>Disappeared</i>		
	10:47:00 PDT		Body	ND / ND
	17:47-GMT		Position: 168° / 351 m Dir: West; Behavior: not indicated	
	<i>one look</i>			
18	Fair-1	Er Total 2 — 0 Calves at sighting		
	12:24:00 PDT		Blow	
	19:24-GMT		Position: 101° / 3,288 m Dir: West; Behavior: Slow travel	
	12:56:00 PDT		Blow	
	19:56-GMT		Position: 109° / 2,553 m Dir: West; Behavior: Slow travel	
	13:03:00 PDT		Blow	
	20:03-GMT		Position: 115° / 2,094 m Dir: West; Behavior: Slow travel	
	13:14:00 PDT		Blow	
	20:14-GMT		Position: 133° / 1,228 m Dir: West; Behavior: Slow travel • Fluke	
	13:24:00 PDT		Blow	
	20:24-GMT		Position: 196° / 623 m Dir: West; Behavior: Slow travel	
	13:34:00 PDT		Blow	
	20:34-GMT		Position: 239° / 939 m Dir: West; Behavior: Slow travel • Fluke	
	13:48:00 PDT		Blow	Inside /
	20:48-GMT		Position: 270° / 1,778 m Dir: West; Behavior: Slow travel	Outside

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau Time	Blow/Body	Holly/Buoys
	28	Good-2	Er Total 2 — 0 Calves at sighting	
		15:17:00 PDT	Blow	
		22:17-GMT	Position: 131° / 3,288 m Dir: West; Behavior: Slow travel	
		15:30:00 PDT	Blow	
		22:30-GMT	Position: 135° / 3,288 m Dir: West; Behavior: Slow travel	
		16:01:00 PDT	Blow	
		23:01-GMT	Position: 164° / 2,094 m Dir: West; Behavior: Slow travel	
		16:14:00 PDT	Blow	
		23:14-GMT	Position: 192° / 2,094 m Dir: West; Behavior: Slow travel	
		16:19:00 PDT	Blow	
		23:19-GMT	Position: 198° / 2,094 m Dir: West; Behavior: Slow travel	
		16:26:00 PDT	Blow	
		23:26-GMT	Position: 210° / 2,094 m Dir: West; Behavior: Slow travel • Rolling	
		16:33:00 PDT	Blow	
		23:33-GMT	Position: 224° / 2,094 m Dir: West; Behavior: Slow travel • Rolling	
		16:43:00 PDT	Blow	
		23:43-GMT	Position: 225° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
		16:46:00 PDT	Blow	Inside /
		23:46-GMT	Position: 234° / 2,094 m Dir: West; Behavior: Slow travel	Outside
		<i>Rolling ("Sharking") -- sea lions around whales</i>		
	32	Good-2	Er Total 1 — 0 Calves at sighting	
		15:43:00 PDT	ni	
		22:43-GMT	Position: 143° / 623 m Dir: West; Behavior: Slow travel	
		15:52:00 PDT	Blow	Inside / ND
		22:52-GMT	Position: 227° / 551 m Dir: West; Behavior: Slow travel	
Mar 16	Total 16	Calves 0	Er Gray whale (northbound)	
Day 43 of 105				
	01	Poor-0	Er Total 3 — 0 Calves at sighting	
		8:53:00 PDT	Blow	ND / ND
		15:53-GMT	Position: 261° / 1,369 m Dir: West; Behavior: Slow travel	
		<i>one look at we were setting up</i>		
	10	Poor-0	Er Total 3 — 0 Calves at sighting	
		9:22:00 PDT	Blow	
		16:22-GMT	Position: 161° / 2,872 m Dir: West; Behavior: Slow travel	
		9:26:00 PDT	Blow	
		16:26-GMT	Position: 173° / 2,553 m Dir: West; Behavior: Slow travel	
		9:29:00 PDT	Blow	
		16:29-GMT	Position: 182° / 2,553 m Dir: West; Behavior: Slow travel	
		9:36:00 PDT	Blow	
		16:36-GMT	Position: 205° / 1,778 m Dir: West; Behavior: Slow travel	
		10:00:00 PDT	Blow	Inside /
		17:00-GMT	Position: 240° / 2,553 m Dir: West; Behavior: Slow travel	Outside

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting	Quality - Beau	Blow/Body	Holly/Buoys
	Number	Time		
	11	Poor-0	Er Total 2 — 0 Calves at sighting	
		9:40:00 PDT	Body	
		16:40-GMT	Position: 194° / 2,553 m Dir: West; Behavior: Slow travel	
		10:05:00 PDT	Blow	Inside /
		17:05-GMT	Position: 256° / 2,553 m Dir: West; Behavior: Slow travel	Outside
	13	Poor-0	Er Total 1 — 0 Calves at sighting	
		9:45:00 PDT	Blow	
		16:45-GMT	Position: 136° / 1,228 m Dir: West; Behavior: Slow travel	
		9:53:00 PDT	Body	
		16:53-GMT	Position: 177° / 639 m Dir: West; Behavior: Slow travel	
		9:59:00 PDT	Blow	Inside /
		16:59-GMT	Position: 232° / 675 m Dir: West; Behavior: Slow travel	Outside
	16	Fair-1	Er Total 2 — 0 Calves at sighting	
		10:41:00 PDT	Blow	
		17:41-GMT	Position: 104° / 2,872 m Dir: West; Behavior: Slow travel	
		10:46:00 PDT	Blow	
		17:46-GMT	Position: 109° / 2,094 m Dir: West; Behavior: Slow travel	
		10:53:00 PDT	Blow	
		17:53-GMT	Position: 111° / 2,094 m Dir: West; Behavior: Slow travel	
		10:57:00 PDT	Blow	
		17:57-GMT	Position: 112° / 1,778 m Dir: West; Behavior: Slow travel	
		10:59:00 PDT	Blow	
		17:59-GMT	Position: 114° / 1,778 m Dir: West; Behavior: Slow travel	
		11:05:00 PDT	Blow	
		18:05-GMT	Position: 122° / 1,228 m Dir: West; Behavior: Slow travel	
		11:08:00 PDT	Blow	
		18:08-GMT	Position: 128° / 871 m Dir: West; Behavior: Slow travel	
		11:10:00 PDT	Blow	
		18:10-GMT	Position: 133° / 761 m Dir: West; Behavior: Slow travel	
		11:12:00 PDT	Blow	
		18:12-GMT	Position: 140° / 578 m Dir: West; Behavior: Slow travel	
		11:15:00 PDT	Blow	
		18:15-GMT	Position: 157° / 466 m Dir: West; Behavior: Slow travel	
		11:17:00 PDT	Blow	
		18:17-GMT	Position: 170° / 418 m Dir: West; Behavior: Slow travel	
		11:19:00 PDT	Body	
		18:19-GMT	Position: 194° / 378 m Dir: West; Behavior: Slow travel	
		11:23:00 PDT	Blow	
		18:23-GMT	Position: 234° / 485 m Dir: West; Behavior: Slow travel	
		11:27:00 PDT	Blow	
		18:27-GMT	Position: 257° / 761 m Dir: West; Behavior: Slow travel • Fluke	
			<i>interacting with sea lions</i>	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Buoys
		Time	Blow/Body	
		11:32:00 PDT	Body	Inside /
		18:32-GMT	Position: 268° / 1,228 m Dir: West; Behavior: Slow travel	Outside
		<i>with barge in between buoys, whales went outside (over array)</i>		
21	Fair-1	Er Total 1 — 0 Calves at sighting		
		11:39:00 PDT	Blow	
		18:39-GMT	Position: 186° / 715 m Dir: West; Behavior: Slow travel	
		11:42:00 PDT	Body	Inside / ND
		18:42-GMT	Position: 219° / 715 m Dir: West; Behavior: Slow travel	
		<i>saw twice</i>		
27	Good-1	Er Total 2 — 0 Calves at sighting		
		14:31:00 PDT	Blow	
		21:31-GMT	Position: 144° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
		14:38:00 PDT	Blow	
		21:38-GMT	Position: 153° / 2,553 m Dir: West; Behavior: Slow travel	
		14:42:00 PDT	Blow	
		21:42-GMT	Position: 160° / 2,094 m Dir: West; Behavior: Slow travel	
		14:46:00 PDT	Blow	
		21:46-GMT	Position: 173° / 1,778 m Dir: West; Behavior: Slow travel	
		14:52:00 PDT	Blow	
		21:52-GMT	Position: 194° / 1,778 m Dir: West; Behavior: Slow travel	
		14:54:00 PDT	Blow	
		21:54-GMT	Position: 204° / 1,778 m Dir: West; Behavior: Slow travel	
		14:58:00 PDT	Blow	
		21:58-GMT	Position: 218° / 1,778 m Dir: West; Behavior: Slow travel	
		15:01:00 PDT	Blow	
		22:01-GMT	Position: 228° / 1,778 m Dir: West; Behavior: Slow travel	
		15:04:00 PDT	Blow	Inside /
		22:04-GMT	Position: 239° / 2,094 m Dir: West; Behavior: Slow travel	Outside
31	Fair-1	Er Total 1 — 0 Calves at sighting		
		15:45:00 PDT	Body	
		22:45-GMT	Position: 125° / 1,019 m Dir: West; Behavior: Slow travel	
		15:52:00 PDT	Body	
		22:52-GMT	Position: 181° / 505 m Dir: West; Behavior: Slow travel	
		16:01:00 PDT	Blow	Inside /
		23:01-GMT	Position: 251° / 1,228 m Dir: West; Behavior: Slow travel	Outside
35	Fair-1	Er Total 1 — 0 Calves at sighting		
		16:54:00 PDT	Blow	
		23:54-GMT	Position: 185° / 275 m Dir: West; Behavior: Slow travel	
		16:55:00 PDT	Blow	
		23:55-GMT	Position: 226° / 288 m Dir: West; Behavior: Slow travel	
		16:59:00 PDT	Blow	Inside / ND
		23:59-GMT	Position: 260° / 505 m Dir: West; Behavior: Slow travel	
		<i>last sighted near buoys</i>		

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau Time	Blow/Body	Holly/Buoys
Mar 17	Total 10	Calves 0	Er Gray whale (northbound)	
Day 44 of 105				
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	05	Poor-1	Er Total 2 — 0 Calves at sighting	
		9:27:00 PDT	Blow	
		16:27-GMT	Position: 121° / 2,553 m Dir: West; Behavior: Slow travel	
		9:33:00 PDT	Blow	
		16:33-GMT	Position: 128° / 2,553 m Dir: West; Behavior: Slow travel	
		9:38:00 PDT	Blow	
		16:38-GMT	Position: 139° / 1,778 m Dir: West; Behavior: Slow travel	
		9:43:00 PDT	Blow	
		16:43-GMT	Position: 154° / 1,546 m Dir: West; Behavior: Slow travel	
		9:52:00 PDT	Blow	
		16:52-GMT	Position: 186° / 1,228 m Dir: West; Behavior: Slow travel	
		10:10:00 PDT	Body	Inside /
		17:10-GMT	Position: 241° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	Outside
<hr/>				
	15	Poor-1	Er Total 2 — 0 Calves at sighting	
		12:26:00 PDT	Blow	
		19:26-GMT	Position: 105° / 2,553 m Dir: West; Behavior: Slow travel	
		12:33:00 PDT	Blow	
		19:33-GMT	Position: 107° / 2,553 m Dir: West; Behavior: Slow travel	
		12:38:00 PDT	Blow	
		19:38-GMT	Position: 114° / 1,778 m Dir: West; Behavior: Slow travel	
		12:43:00 PDT	Blow	
		19:43-GMT	Position: 125° / 1,369 m Dir: West; Behavior: Slow travel	
		12:50:00 PDT	Blow	
		19:50-GMT	Position: 159° / 675 m Dir: West; Behavior: Slow travel • Fluke	
		12:59:00 PDT	Blow	Inside / ND
		19:59-GMT	Position: 242° / 639 m Dir: West; Behavior: Slow travel	
<hr/>				
	20	Poor-1	Er Total 3 — 0 Calves at sighting	
		13:17:00 PDT	Blow	
		20:17-GMT	Position: 104° / 2,553 m Dir: West; Behavior: Slow travel	
		13:24:00 PDT	Blow	
		20:24-GMT	Position: 112° / 2,872 m Dir: West; Behavior: Slow travel	
		13:31:00 PDT	Body	
		20:31-GMT	Position: 124° / 1,778 m Dir: West; Behavior: Slow travel	
		13:37:00 PDT	Blow	
		20:37-GMT	Position: 136° / 1,113 m Dir: West; Behavior: Slow travel	
		13:43:00 PDT	Blow	
		20:43-GMT	Position: 165° / 715 m Dir: West; Behavior: Slow travel	
		13:50:00 PDT	Blow	
		20:50-GMT	Position: 246° / 715 m Dir: West; Behavior: Slow travel	
		13:58:00 PDT	Blow	Inside /
		20:58-GMT	Position: 265° / 1,369 m Dir: West; Behavior: Slow travel	Outside

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau Time	Blow/Body	Holly/Buoys
	30	Poor-1	Er Total 1 — 0 Calves at sighting	
		15:24:00 PDT	ni	
		22:24-GMT	Position: 179° / 2,094 m Dir: West; Behavior: Slow travel	
		15:27:00 PDT	Blow	
		22:27-GMT	Position: 188° / 2,094 m Dir: West; Behavior: Slow travel	
		15:33:00 PDT	Blow	
		22:33-GMT	Position: 206° / 2,094 m Dir: West; Behavior: Slow travel	
		15:37:00 PDT	Blow	
		22:37-GMT	Position: 219° / 2,553 m Dir: West; Behavior: Slow travel	
		15:39:00 PDT	Blow	
		22:39-GMT	Position: 227° / 2,553 m Dir: West; Behavior: Slow travel	
		15:41:00 PDT	Blow	
		22:41-GMT	Position: 231° / 2,553 m Dir: West; Behavior: Slow travel	
		15:44:00 PDT	Blow	
		22:44-GMT	Position: 237° / 2,872 m Dir: West; Behavior: Slow travel	
		15:51:00 PDT	Blow	Inside /
		22:51-GMT	Position: 245° / 2,872 m Dir: West; Behavior: Slow travel	Outside
	33	Poor-1	Er Total 1 — 0 Calves at sighting	
		16:10:00 PDT	Body	
		23:10-GMT	Position: 140° / 871 m Dir: West; Behavior: Slow travel	
		16:33:00 PDT	Blow	
		23:33-GMT	Position: 214° / 607 m Dir: West; Behavior: Slow travel	
		16:39:00 PDT	Blow	
		23:39-GMT	Position: 256° / 871 m Dir: West; Behavior: Slow travel • Fluke <i>dolphins (SC#32) close to whale</i>	
		16:45:00 PDT	Blow	Inside /
		23:45-GMT	Position: 270° / 2,094 m Dir: West; Behavior: Slow travel	Outside
			<i>Many sea lions around whale</i>	
	34	Poor-1	Er Total 1 — 0 Calves at sighting	
		16:27:00 PDT	Body	
		23:27-GMT	Position: 200° / 1,369 m Dir: West; Behavior: Slow travel	
		16:38:00 PDT	Blow	
		23:38-GMT	Position: 225° / 2,094 m Dir: West; Behavior: Slow travel	
		16:42:00 PDT	Blow	Inside /
		23:42-GMT	Position: 234° / 2,094 m Dir: West; Behavior: Slow travel	Outside
Mar 18	Total 8	Calves 0	Er Gray whale (northbound)	
Day 45 of 105				
	13	Fair-1	Er Total 1 — 0 Calves at sighting	
		12:01:00 PDT	Blow	
		19:01-GMT	Position: 122° / 1,369 m Dir: West; Behavior: Slow travel	
		12:08:00 PDT	Blow	
		19:08-GMT	Position: 142° / 812 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting	Quality - Beau	Blow/Body	Holly/Buoys
	Number	Time		
		12:13:00 PDT	Blow	
		19:13-GMT	Position: 183° / 607 m Dir: West; Behavior: Slow travel	
		12:27:00 PDT	Body	
		19:27-GMT	Position: 214° / 551 m Dir: West; Behavior: Slow travel	
		12:30:00 PDT	Body	Inside / ND
		19:30-GMT	Position: 247° / 607 m Dir: West; Behavior: Slow travel	
17	Fair-1	Er Total 2 — 0 Calves at sighting		
		14:26:00 PDT	Blow	
		21:26-GMT	Position: 117° / 1,778 m Dir: West; Behavior: Slow travel	
		14:33:00 PDT	Blow	
		21:33-GMT	Position: 122° / 1,228 m Dir: West; Behavior: Slow travel	
		14:40:00 PDT	Body	
		21:40-GMT	Position: 153° / 715 m Dir: West; Behavior: Slow travel • Fluke	
		14:44:00 PDT	Blow	
		21:44-GMT	Position: 205° / 505 m Dir: West; Behavior: Slow travel	
		14:49:00 PDT	Blow	
		21:49-GMT	Position: 245° / 715 m Dir: West; Behavior: Slow travel	
		14:52:00 PDT	Blow	Inside /
		21:52-GMT	Position: 260° / 871 m Dir: West; Behavior: Slow travel	Outside
22	Fair-1	Er Total 1 — 0 Calves at sighting		
		16:00:00 PDT	Blow	
		23:00-GMT	Position: 119° / 2,553 m Dir: West; Behavior: Slow travel	
		16:08:00 PDT	Blow	
		23:08-GMT	Position: 131° / 1,369 m Dir: West; Behavior: Slow travel	
		16:21:00 PDT	Blow	
		23:21-GMT	Position: 200° / 1,019 m Dir: West; Behavior: Slow travel	
		16:23:00 PDT	Blow	
		23:23-GMT	Position: 212° / 1,228 m Dir: West; Behavior: Slow travel	
		16:26:00 PDT	Blow	Inside / ND
		23:26-GMT	Position: 226° / 1,113 m Dir: West; Behavior: Slow travel	
24	Fair-1	Er Total 4 — 0 Calves at sighting		
		16:15:00 PDT	Blow	
		23:15-GMT	Position: 214° / 1,778 m Dir: West; Behavior: Slow travel	
		16:18:00 PDT	Blow	
		23:18-GMT	Position: 225° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	
		16:22:00 PDT	Blow	Inside /
		23:22-GMT	Position: 235° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	Outside
Mar 21	Total 1	Calves 0	Er Gray whale (northbound)	
Day 48 of 105				
03	Fair-1	Er Total 1 — 0 Calves at sighting		
		13:48:00 PDT	Body	
		20:48-GMT	Position: 97° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Buoys
		Time	Blow/Body	
		13:53:00 PDT	Blow	
		20:53-GMT	Position: 97° / 2,553 m Dir: West; Behavior: Slow travel	
		14:13:00 PDT	Blow	
		21:13-GMT	Position: 112° / 2,553 m Dir: West; Behavior: Slow travel	
		14:29:00 PDT	Body	
		21:29-GMT	Position: 144° / 715 m Dir: West; Behavior: Slow travel	
		14:31:00 PDT	Body	
		21:31-GMT	Position: 161° / 551 m Dir: West; Behavior: Slow travel • Fluke	
		14:35:00 PDT	Body	
		21:35-GMT	Position: 198° / 505 m Dir: West; Behavior: Slow travel • Fluke	
		14:41:00 PDT	Body	Inside / ND
		21:41-GMT	Position: 253° / 871 m Dir: West; Behavior: Slow travel • Fluke	
Mar 23	Total 17 Calves 0	Er Gray whale (northbound)		
	Day 50 of 105			

03	Fair-3	<i>Er Total 2 — 0 Calves at sighting</i>		
		10:28:00 PDT	Blow	
		17:28-GMT	Position: 196° / 607 m Dir: West; Behavior: Slow travel	
		10:33:00 PDT	Blow	
		17:33-GMT	Position: 231° / 840 m Dir: West; Behavior: Slow travel	
		10:34:00 PDT	Blow	
		17:34-GMT	Position: 238° / 812 m Dir: West; Behavior: Slow travel	
		10:38:00 PDT	Blow	Inside /
		17:38-GMT	Position: 253° / 1,546 m Dir: West; Behavior: Slow travel • Fluke	Outside

04	Fair-3	<i>Er Total 3 — 0 Calves at sighting</i>		
		10:49:00 PDT	Blow	
		17:49-GMT	Position: 131° / 3,288 m Dir: West; Behavior: Slow travel	
		10:54:00 PDT	Blow	
		17:54-GMT	Position: 133° / 3,288 m Dir: West; Behavior: Slow travel	
		11:08:00 PDT	Blow	
		18:08-GMT	Position: 139° / 2,872 m Dir: West; Behavior: Slow travel	
		11:16:00 PDT	Blow	
		18:16-GMT	Position: 143° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
		11:22:00 PDT	Blow	
		18:22-GMT	Position: 149° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
		11:32:00 PDT	Blow	
		18:32-GMT	Position: 152° / 2,553 m Dir: West; Behavior: Slow travel	
		11:38:00 PDT	Blow	
		18:38-GMT	Position: 173° / 2,094 m Dir: West; Behavior: Slow travel	
		11:42:00 PDT	Blow	
		18:42-GMT	Position: 183° / 2,094 m Dir: West; Behavior: Slow travel	
		11:43:00 PDT	Blow	
		18:43-GMT	Position: 185° / 2,094 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Blow/Body	Holly/Buoys
		Time		
		11:48:00 PDT	Blow	
		18:48-GMT	Position: 199° / 2,553 m Dir: West; Behavior: Slow travel	
		11:54:00 PDT	Blow	
		18:54-GMT	Position: 209° / 2,094 m Dir: West; Behavior: Slow travel	
		11:58:00 PDT	Blow	
		18:58-GMT	Position: 219° / 2,094 m Dir: West; Behavior: Slow travel	
		12:05:00 PDT	Blow	
		19:05-GMT	Position: 230° / 2,553 m Dir: West; Behavior: Slow travel	
		12:08:00 PDT	Blow	Outside /
		19:08-GMT	Position: 233° / 2,872 m Dir: West; Behavior: Slow travel	Outside
		<i>large group of sea lions near whales</i>		
07	Good-2	Er Total 3 — 0 Calves at sighting		
		12:22:00 PDT	Blow	
		19:22-GMT	Position: 139° / 2,872 m Dir: West; Behavior: Slow travel	
		12:31:00 PDT	Blow	
		19:31-GMT	Position: 147° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
		12:40:00 PDT	Blow	
		19:40-GMT	Position: 156° / 2,553 m Dir: West; Behavior: Slow travel	
		12:47:00 PDT	Blow	
		19:47-GMT	Position: 165° / 2,553 m Dir: West; Behavior: Slow travel	
		12:48:00 PDT	Blow	
		19:48-GMT	Position: 168° / 2,553 m Dir: West; Behavior: Slow travel	
		12:56:00 PDT	Blow	
		19:56-GMT	Position: 181° / 2,553 m Dir: West; Behavior: Slow travel	
		13:00:00 PDT	Blow	
		20:00-GMT	Position: 192° / 2,553 m Dir: West; Behavior: Slow travel	
		13:08:00 PDT	Blow	
		20:08-GMT	Position: 210° / 2,553 m Dir: West; Behavior: Slow travel	
		13:16:00 PDT	Blow	
		20:16-GMT	Position: 218° / 2,553 m Dir: West; Behavior: Slow travel	
		13:18:00 PDT	Blow	
		20:18-GMT	Position: 221° / 2,553 m Dir: West; Behavior: Slow travel	
		13:24:00 PDT	Blow	
		20:24-GMT	Position: 227° / 2,872 m Dir: West; Behavior: Slow travel	
		13:32:00 PDT	Blow	
		20:32-GMT	Position: 237° / 2,872 m Dir: West; Behavior: Slow travel	
		13:39:00 PDT	Blow	
		20:39-GMT	Position: 243° / 3,288 m Dir: West; Behavior: Slow travel	
		13:50:00 PDT	Blow	Outside /
		20:50-GMT	Position: 252° / 3,288 m Dir: West; Behavior: Slow travel	Outside
10	Good-2	Er Total 2 — 0 Calves at sighting		
		13:59:00 PDT	Blow	
		20:59-GMT	Position: 127° / 2,872 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Buoys
		Time	Blow/Body	
		14:05:00 PDT	Blow	
		21:05-GMT	Position: 131° / 2,553 m Dir: West; Behavior: Slow travel	
		14:12:00 PDT	Blow	
		21:12-GMT	Position: 142° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	
		14:20:00 PDT	Blow	
		21:20-GMT	Position: 158° / 1,369 m Dir: West; Behavior: Slow travel • Fluke	
		14:28:00 PDT	Blow	
		21:28-GMT	Position: 184° / 1,228 m Dir: West; Behavior: Slow travel • Fluke	
		14:37:00 PDT	Blow	
		21:37-GMT	Position: 223° / 1,113 m Dir: West; Behavior: Slow travel • Fluke	
		14:44:00 PDT	Blow	
		21:44-GMT	Position: 252° / 1,369 m Dir: West; Behavior: Slow travel • Fluke	
		14:51:00 PDT	Blow	Inside /
		21:51-GMT	Position: 259° / 2,094 m Dir: West; Behavior: Slow travel	Outside
16	Good-2	Er Total 5 — 0 Calves at sighting		
		15:09:00 PDT	Blow	
		22:09-GMT	Position: 122° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
			<i>large group, maybe more than 5</i>	
		15:17:00 PDT	Blow	
		22:17-GMT	Position: 133° / 2,094 m Dir: West; Behavior: Slow travel • Rolling • Fluke	
			<i>sharking</i>	
		15:22:00 PDT	Blow	
		22:22-GMT	Position: 141° / 1,546 m Dir: West; Behavior: Slow travel	
		15:26:00 PDT	Blow	
		22:26-GMT	Position: 155° / 1,228 m Dir: West; Behavior: Slow travel	
		15:28:00 PDT	Blow	
		22:28-GMT	Position: 160° / 1,228 m Dir: West; Behavior: Slow travel	
		15:33:00 PDT	Blow	
		22:33-GMT	Position: 181° / 1,228 m Dir: West; Behavior: Slow travel	
		15:41:00 PDT	ni	
		22:41-GMT	Position: 209° / 1,228 m Dir: West; Behavior: Slow travel	
		15:49:00 PDT	Blow	
		22:49-GMT	Position: 237° / 1,294 m Dir: West; Behavior: Slow travel	
		15:57:00 PDT	Blow	
		22:57-GMT	Position: 253° / 1,546 m Dir: West; Behavior: Slow travel	
		16:01:00 PDT	Blow	
		23:01-GMT	Position: 260° / 2,094 m Dir: West; Behavior: Slow travel	
		16:09:00 PDT	Blow	Inside /
		23:09-GMT	Position: 265° / 2,553 m Dir: West; Behavior: Slow travel	Outside
20	Good-2	Er Total 2 — 0 Calves at sighting		
		16:19:00 PDT	Blow	
		23:19-GMT	Position: 119° / 1,546 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Buoys
		Time	Blow/Body	
		16:26:00 PDT	Body	
		23:26-GMT	Position: 135° / 1,113 m Dir: West; Behavior: Slow travel	
		16:29:00 PDT	Blow	
		23:29-GMT	Position: 144° / 840 m Dir: West; Behavior: Slow travel	
		16:34:00 PDT	Blow	
		23:34-GMT	Position: 165° / 623 m Dir: West; Behavior: Slow travel	
		16:36:00 PDT	Blow	
		23:36-GMT	Position: 185° / 505 m Dir: West; Behavior: Slow travel	
		16:37:00 PDT	Blow	
		23:37-GMT	Position: 206° / 551 m Dir: West; Behavior: Slow travel	
		16:42:00 PDT	Body	
		23:42-GMT	Position: 232° / 639 m Dir: West; Behavior: Slow travel • Rolling	
			<i>mating behavior -- dolphins around whales</i>	
		16:49:00 PDT	Blow	
		23:49-GMT	Position: 236° / 639 m Dir: West; Behavior: Slow travel • Rolling • Pec slap	
		17:01:00 PDT	Blow	Inside /
		0:01;	Position: 258° / 639 m Dir: West; Behavior: Slow travel • Rolling	Through
		3/24/2009-GMT	<i>dolphins and sea lions around whales</i>	
Mar 24	Total 11 Calves 0	Er Gray whale (northbound)		
Day 51 of 105				
02	Fair-1	Er Total 1 — 0 Calves at sighting		
		10:06:00 PDT	Blow	
		17:06-GMT	Position: 151° / 639 m Dir: West; Behavior: Slow travel	
		10:14:00 PDT	Blow	Inside / ND
		17:14-GMT	Position: 232° / 623 m Dir: West; Behavior: Slow travel	
10	Fair-1	Er Total 1 — 0 Calves at sighting		
		12:48:00 PDT	Blow	
		19:48-GMT	Position: 119° / 1,019 m Dir: West; Behavior: Slow travel • Fluke	
		12:54:00 PDT	Blow	
		19:54-GMT	Position: 148° / 449 m Dir: West; Behavior: Slow travel	
		12:58:00 PDT	Body	Inside / ND
		19:58-GMT	Position: 210° / 269 m Dir: West; Behavior: Slow travel • Fluke	
			<i>May be feeding ??</i>	
			<i>Turned, diving at kelp edge</i>	
14	Good-2	Er Total 4 — 0 Calves at sighting		
		14:05:00 PDT	Blow	
		21:05-GMT	Position: 126° / 3,288 m Dir: West; Behavior: Slow travel • Rolling	
		14:13:00 PDT	Body	
		21:13-GMT	Position: 129° / 3,288 m Dir: West; Behavior: Slow travel • Rolling	
		14:16:00 PDT	Blow	
		21:16-GMT	Position: 131° / 3,288 m Dir: West; Behavior: Slow travel • Rolling	
		14:23:00 PDT	Blow	
		21:23-GMT	Position: 134° / 2,872 m Dir: West; Behavior: Slow travel • Rolling	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Blow/Body	Holly/Buoys
		Time		
		14:27:00 PDT	Blow	
		21:27-GMT	Position: 136° / 2,872 m Dir: West; Behavior: Slow travel	
		14:37:00 PDT	Blow	
		21:37-GMT	Position: 137° / 2,872 m Dir: West; Behavior: Slow travel • Rolling	
		14:59:00 PDT	Body	
		21:59-GMT	Position: 149° / 2,553 m Dir: West; Behavior: Slow travel • Rolling	
		15:05:00 PDT	Body	
		22:05-GMT	Position: 150° / 2,553 m Dir: West; Behavior: Slow travel • Rolling	
		15:11:00 PDT	Blow	
		22:11-GMT	Position: 152° / 2,094 m Dir: West; Behavior: Slow travel • Rolling	
		15:14:00 PDT	ni	
		22:14-GMT	Position: 154° / 2,094 m Dir: West; Behavior: Slow travel • Rolling	
		<i>Pink Floyd</i>		
		15:21:00 PDT	Blow	
		22:21-GMT	Position: 156° / 2,094 m Dir: West; Behavior: Slow travel	
		15:26:00 PDT	Blow	
		22:26-GMT	Position: 168° / 1,778 m Dir: West; Behavior: Slow travel • Rolling	
		15:28:00 PDT	Body	
		22:28-GMT	Position: 170° / 1,778 m Dir: West; Behavior: Slow travel • Rolling	
		15:33:00 PDT	Blow	
		22:33-GMT	Position: 174° / 1,778 m Dir: West; Behavior: Slow travel • Rolling	
		15:42:00 PDT	Blow	
		22:42-GMT	Position: 186° / 1,778 m Dir: West; Behavior: Slow travel	
		15:45:00 PDT	Blow	
		22:45-GMT	Position: 187° / 1,778 m Dir: West; Behavior: Slow travel	
		15:47:00 PDT	Blow	
		22:47-GMT	Position: 188° / 1,546 m Dir: West; Behavior: Slow travel • Rolling	
		15:50:00 PDT	Blow	
		22:50-GMT	Position: 194° / 1,369 m Dir: West; Behavior: Slow travel	
		15:54:00 PDT	Blow	
		22:54-GMT	Position: 206° / 1,369 m Dir: West; Behavior: Slow travel	
		15:56:00 PDT	Blow	
		22:56-GMT	Position: 210° / 1,369 m Dir: West; Behavior: Slow travel	
		15:58:00 PDT	Blow	
		22:58-GMT	Position: 215° / 1,369 m Dir: West; Behavior: Slow travel • Rolling	
		16:02:00 PDT	Blow	
		23:02-GMT	Position: 219° / 1,778 m Dir: West; Behavior: Slow travel	
		16:05:00 PDT	Blow	
		23:05-GMT	Position: 227° / 1,778 m Dir: West; Behavior: Slow travel	
		16:08:00 PDT	Blow	Inside /
		23:08-GMT	Position: 233° / 1,778 m Dir: West; Behavior: Slow travel	Outside

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting	Quality - Beau	Blow/Body	Holly/Buoys
	Number	Time		
17	Good-2	Er Total 3 — 0 Calves at sighting		
		15:12:00 PDT	Blow	
		22:12-GMT	Position: 109° / 2,553 m Dir: West; Behavior: Slow travel	
		15:18:00 PDT	Blow	
		22:18-GMT	Position: 116° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
		15:19:00 PDT	Blow	
		22:19-GMT	Position: 119° / 2,094 m Dir: West; Behavior: Slow travel	
		15:23:00 PDT	Blow	
		22:23-GMT	Position: 125° / 1,546 m Dir: West; Behavior: Slow travel	
		15:29:00 PDT	Blow	
		22:29-GMT	Position: 141° / 1,019 m Dir: West; Behavior: Slow travel • Fluke	
		15:31:00 PDT	Blow	
		22:31-GMT	Position: 147° / 840 m Dir: West; Behavior: Slow travel • Fluke	
		15:35:00 PDT	Blow	
		22:35-GMT	Position: 177° / 639 m Dir: West; Behavior: Slow travel	
		15:41:00 PDT	Blow	
		22:41-GMT	Position: 222° / 675 m Dir: West; Behavior: Slow travel • Fluke	
		15:42:00 PDT	Blow	
		22:42-GMT	Position: 229° / 715 m Dir: West; Behavior: Slow travel	
		15:43:00 PDT	Blow	
		22:43-GMT	Position: 233° / 871 m Dir: West; Behavior: Slow travel • Fluke	
		15:47:00 PDT	Blow	
		22:47-GMT	Position: 248° / 1,294 m Dir: West; Behavior: Slow travel • Fluke	
		15:49:00 PDT	Blow	Inside /
		22:49-GMT	Position: 253° / 1,369 m Dir: West; Behavior: Slow travel	Outside
20	Fair-2	Er Total 2 — 0 Calves at sighting		
		16:32:00 PDT	Blow	
		23:32-GMT	Position: 144° / 1,019 m Dir: West; Behavior: Slow travel	
		16:34:00 PDT	Blow	
		23:34-GMT	Position: 156° / 939 m Dir: West; Behavior: Slow travel	
		16:35:00 PDT	Body	
		23:35-GMT	Position: 169° / 871 m Dir: West; Behavior: Slow travel	
		16:43:00 PDT	Blow	
		23:43-GMT	Position: 210° / 939 m Dir: West; Behavior: Slow travel	
		16:47:00 PDT	Blow	Inside / ND
		23:47-GMT	Position: 226° / 1,113 m Dir: West; Behavior: Slow travel	
Mar 25	Total 12 Calves 0	Er Gray whale (northbound)		
	Day 52 of 105			
01	Fair-1	Er Total 1 — 0 Calves at sighting		
		9:20:00 PDT	Blow	
		16:20-GMT	Position: 105° / 2,553 m Dir: West; Behavior: Slow travel	
		9:28:00 PDT	Blow	
		16:28-GMT	Position: 107° / 1,546 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Buoys
		Time	Blow/Body	
		9:33:00 PDT	Blow	
		16:33-GMT	Position: 117° / 1,228 m Dir: West; Behavior: Slow travel	
		9:35:00 PDT	Blow	
		16:35-GMT	Position: 115° / 1,113 m Dir: West; Behavior: Slow travel	
		9:41:00 PDT	Blow	
		16:41-GMT	Position: 128° / 551 m Dir: West; Behavior: Slow travel	
		9:44:00 PDT	Blow	
		16:44-GMT	Position: 147° / 346 m Dir: West; Behavior: Slow travel	
		9:47:00 PDT	Blow	
		16:47-GMT	Position: 191° / 288 m Dir: West; Behavior: Slow travel	
		9:50:00 PDT	Body	
		16:50-GMT	Position: 224° / 336 m Dir: West; Behavior: Slow travel	
		9:52:00 PDT	Blow	Inside / ND
		16:52-GMT	Position: 241° / 485 m Dir: West; Behavior: Slow travel	
05	Fair-1	Er Total 1 — 0 Calves at sighting		
		9:52:00 PDT	Blow	
		16:52-GMT	Position: 109° / 2,553 m Dir: West; Behavior: Slow travel	
		10:00:00 PDT	Blow	
		17:00-GMT	Position: 114° / 1,546 m Dir: West; Behavior: Slow travel	
		10:05:00 PDT	Blow	
		17:05-GMT	Position: 121° / 1,228 m Dir: West; Behavior: Slow travel • Fluke	
		10:13:00 PDT	Blow	
		17:13-GMT	Position: 170° / 378 m Dir: West; Behavior: Slow travel	
		10:16:00 PDT	Body	
		17:16-GMT	Position: 218° / 351 m Dir: West; Behavior: Slow travel	
		10:20:00 PDT	Blow	
		17:20-GMT	Position: 262° / 607 m Dir: West; Behavior: Slow travel	
		<i>at 220° sea lions around whale</i>		
		10:35:00 PDT	Blow	Inside / Inside
		17:35-GMT	Position: 284° / 1,019 m Dir: West; Behavior: Slow travel	
		<i>traveled along Ellwood</i>		
08	Fair-0	Er Total 1 — 0 Calves at sighting		
		10:49:00 PDT	Blow	
		17:49-GMT	Position: 113° / 1,778 m Dir: West; Behavior: Slow travel	
		<i>Possibly the animal from SC#3 ... as it approached, head visible with lots of barnacles; small whale, a juvenile</i>		
		11:19:00 PDT	Body	
		18:19-GMT	Position: 188° / 675 m Dir: West; Behavior: Slow travel	
		11:27:00 PDT	Body	
		18:27-GMT	Position: 181° / 318 m Dir: West; Behavior: Slow travel	
		11:29:00 PDT	Body	Inside / ND
		18:29-GMT	Position: 220° / 351 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting	Quality - Beau	Blow/Body	Holly/Buoys
	Number	Time		
16	Fair-0	Er Total 1 — 0 Calves at sighting		
		13:24:00 PDT	Body	
		20:24-GMT	Position: 150° / 1,228 m Dir: West; Behavior: Slow travel	
		13:27:00 PDT	Blow	
		20:27-GMT	Position: 168° / 939 m Dir: West; Behavior: Slow travel	
		13:31:00 PDT	Blow	
		20:31-GMT	Position: 181° / 871 m Dir: West; Behavior: Slow travel	
		13:35:00 PDT	Blow	
		20:35-GMT	Position: 185° / 1,019 m Dir: West; Behavior: Slow travel	
		13:40:00 PDT	Body	Inside / ND
		20:40-GMT	Position: 199° / 871 m Dir: West; Behavior: Slow travel	
		<i>Juvenile -- likely yearling like S#8</i>		
19	Fair-0	Er Total 1 — 0 Calves at sighting		
		14:17:00 PDT	Body	
		21:17-GMT	Position: 124° / 1,113 m Dir: West; Behavior: Slow travel	
		14:22:00 PDT	Body	
		21:22-GMT	Position: 152° / 607 m Dir: West; Behavior: Slow travel	
		14:26:00 PDT	Blow	
		21:26-GMT	Position: 184° / 495 m Dir: West; Behavior: Slow travel	
		14:30:00 PDT	Body	Inside / ND
		21:30-GMT	Position: 232° / 527 m Dir: West; Behavior: Slow travel	
21	Fair-0	Er Total 2 — 0 Calves at sighting		
		15:33:00 PDT	Blow	
		22:33-GMT	Position: 125° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
		15:52:00 PDT	ni	
		22:52-GMT	Position: 141° / 1,294 m Dir: West; Behavior: Slow travel • Fluke	
		15:58:00 PDT	Blow	
		22:58-GMT	Position: 152° / 1,294 m Dir: West; Behavior: Slow travel • Fluke	
		16:02:00 PDT	Blow	
		23:02-GMT	Position: 168° / 939 m Dir: West; Behavior: Slow travel	
		16:04:00 PDT	Blow	
		23:04-GMT	; Behavior: Slow travel	
		16:09:00 PDT	Blow	
		23:09-GMT	Position: 210° / 840 m Dir: West; Behavior: Slow travel	
		16:17:00 PDT	Blow	
		23:17-GMT	Position: 245° / 1,228 m Dir: West; Behavior: Slow travel • Fluke	
		16:26:00 PDT	Blow	Inside /
		23:26-GMT	Position: 259° / 1,778 m Dir: West; Behavior: Slow travel	Outside
22	Fair-0	Er Total 1 — 0 Calves at sighting		
		15:47:00 PDT	Blow	
		22:47-GMT	Position: 140° / 1,228 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Buoys
		Time	Blow/Body	
		15:50:00 PDT	ni	ND / ND
		22:50-GMT	Position: 147° / 1,019 m Dir: West; Behavior: Slow travel	
			<i>juvenile</i>	
23	Fair-0	Er Total 2 — 0 Calves at sighting		
		16:09:00 PDT	ni	
		23:09-GMT	Position: 189° / 318 m Dir: West; Behavior: Slow travel • Rolling	
		16:12:00 PDT	Blow	
		23:12-GMT	Position: 209° / 356 m Dir: West; Behavior: Slow travel	
		16:14:00 PDT	Blow	
		23:14-GMT	Position: 227° / 466 m Dir: West; Behavior: Slow travel • Rolling	
		16:16:00 PDT	Blow	
		23:16-GMT	Position: 236° / 505 m Dir: West; Behavior: Slow travel	
		16:17:00 PDT	Blow	
		23:17-GMT	Position: 245° / 639 m Dir: West; Behavior: Slow travel	
		16:19:00 PDT	Blow	
		23:19-GMT	Position: 254° / 761 m Dir: West; Behavior: Slow travel	
		16:20:00 PDT	Blow	
		23:20-GMT	Position: 259° / 761 m Dir: West; Behavior: Slow travel • Rolling	
		16:21:00 PDT	Blow	Inside /
		23:21-GMT	Position: 263° / 761 m Dir: West; Behavior: Slow travel • Rolling	Through
24	Fair-3	Er Total 2 — 0 Calves at sighting		
		16:28:00 PDT	Blow	
		23:28-GMT	Position: 162° / 761 m Dir: West; Behavior: Slow travel	
			<i>Very choppy -- bigger wind outside west + south</i>	
		16:31:00 PDT	Body	
		23:31-GMT	Position: 184° / 578 m Dir: West; Behavior: Slow travel	
		16:33:00 PDT	Blow	
		23:33-GMT	Position: 202° / 639 m Dir: West; Behavior: Slow travel	
		16:37:00 PDT	Blow	
		23:37-GMT	Position: 227° / 639 m Dir: West; Behavior: Slow travel	
		16:42:00 PDT	Blow	Inside /
		23:42-GMT	Position: 244° / 1,294 m Dir: West; Behavior: Slow travel	Outside
Mar 26	Total 5 Calves 0	Er Gray whale (northbound)		
Day 53 of 105				
05	Fair-1	Er		
		9:29:00 PDT	Blow	
		16:29-GMT	Position: 141° / 2,094 m Dir: West; Behavior: Slow travel	
		9:33:00 PDT	Blow	
		16:33-GMT	Position: 146° / 1,778 m Dir: West; Behavior: Slow travel	
		9:37:00 PDT	Blow	
		16:37-GMT	Position: 153° / 1,369 m Dir: West; Behavior: Slow travel • Fluke	
		9:43:00 PDT	Blow	
		16:43-GMT	Position: 181° / 840 m Dir: West; Behavior: Slow travel • Fluke	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting	Quality - Beau	Blow/Body	Holly/Buoys
	Number	Time		
		9:52:00 PDT	Blow	
		16:52-GMT	Position: 244° / 1,228 m Dir: West; Behavior: Slow travel	
		9:54:00 PDT	Blow	Inside /
		16:54-GMT	Position: 251° / 1,228 m Dir: West; Behavior: Slow travel • Fluke	Outside
		9:26:00 PDT	Blow	
		16:26-GMT	Position: 136° / 2,553 m Dir: West; Behavior: Slow travel	
25	Poor-4	Er Total 2 — 0 Calves at sighting		
		16:58:00 PDT	Blow	
		23:58-GMT	Position: 105° / 2,553 m Dir: West; Behavior: Slow travel	
		<i>Perhaps first reported by Condor Express off Santa Barbara Point @ 1216 (if so, a long time to Counter Point)</i>		
		17:02:00 PDT	Blow	
		0:02;	Position: 107° / 2,553 m Dir: West; Behavior: Slow travel	
		3/27/2009-GMT		
		17:07:00 PDT	Blow	
		0:07;	Position: 111° / 1,546 m Dir: West; Behavior: Slow travel	
		3/27/2009-GMT		
		17:11:00 PDT	Blow	
		0:11;	Position: 116° / 1,369 m Dir: West; Behavior: Slow travel	
		3/27/2009-GMT		
		17:17:00 PDT	Blow	
		0:17;	Position: 124° / 1,019 m Dir: West; Behavior: Slow travel	
		3/27/2009-GMT		
		17:23:00 PDT	Blow	
		0:23;	Position: 155° / 505 m Dir: West; Behavior: Slow travel	
		3/27/2009-GMT		
		17:27:00 PDT	Blow	
		0:27;	Position: 183° / 495 m Dir: West; Behavior: Slow travel	
		3/27/2009-GMT		
		17:28:00 PDT	Blow	
		0:28;	Position: 201° / 390 m Dir: West; Behavior: Slow travel	
		3/27/2009-GMT		
		17:31:00 PDT	Blow	
		0:31;	Position: 228° / 404 m Dir: West; Behavior: Slow travel	
		3/27/2009-GMT		
Mar 27	Total 6	Calves 0	Er Gray whale (northbound)	
	Day 54 of 105			
08	Fair-0	Er Total 1 — 0 Calves at sighting		
		10:54:00 PDT	Blow	
		17:54-GMT	Position: 149° / 378 m Dir: West; Behavior: Slow travel	
		10:56:00 PDT	Body	Inside / ND
		17:56-GMT	Position: 170° / 418 m Dir: West; Behavior: Slow travel	
		<i>small, likely yearling, erratic + abnormal blows (not described further)</i>		
19	Fair-3	Er Total 1 — 0 Calves at sighting		
		16:18:00 PDT	Blow	
		23:18-GMT	Position: 227° / 715 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Buoys
		Time	Blow/Body	
		16:27:00 PDT	Blow	Inside /
		23:27-GMT	Position: 262° / 1,228 m Dir: West; Behavior: Slow travel	Outside
		<i>Shane Seep pretty active</i>		
21	Fair-3	Er Total 3 — 0 Calves at sighting		
		16:44:00 PDT	Blow	
		23:44-GMT	Position: 100° / 3,288 m Dir: West; Behavior: Slow travel	
		16:59:00 PDT	Blow	
		23:59-GMT	Position: 100° / 2,872 m Dir: West; Behavior: Slow travel	
		17:08:00 PDT	Blow	
		0:08;	Position: 104° / 2,872 m Dir: West; Behavior: Slow travel	
		3/28/2009-GMT		
		17:22:00 PDT	Blow	
		0:22;	Position: 116° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
		3/28/2009-GMT		
		17:30:00 PDT	Blow	ND / ND
		0:30;	Position: 129° / 1,546 m Dir: West; Behavior: Slow travel	
		3/28/2009-GMT		
		<i>Three Amigos --- blow-blow-blow</i>		
22	Fair-3	Er Total 1 — 0 Calves at sighting		
		16:59:00 PDT	Blow	
		23:59-GMT	Position: 109° / 1,778 m Dir: West; Behavior: Slow travel	
		17:02:00 PDT	Blow	
		0:02;	Position: 111° / 1,546 m Dir: West; Behavior: Slow travel	
		3/28/2009-GMT		
		17:07:00 PDT	Blow	
		0:07;	Position: 117° / 1,369 m Dir: West; Behavior: Slow travel	
		3/28/2009-GMT		
		17:11:00 PDT	Blow	
		0:11;	Position: 120° / 715 m Dir: West; Behavior: Slow travel	
		3/28/2009-GMT		
		17:15:00 PDT	Blow	
		0:15;	Position: 139° / 404 m Dir: West; Behavior: Slow travel	
		3/28/2009-GMT		
		17:17:00 PDT	Blow	
		0:17;	Position: 176° / 390 m Dir: West; Behavior: Slow travel	
		3/28/2009-GMT		
		17:20:00 PDT	Blow	
		0:20;	Position: 221° / 367 m Dir: West; Behavior: Slow travel	
		3/28/2009-GMT		
		17:26:00 PDT	Blow	Inside /
		0:26;	Position: 270° / 1,228 m Dir: West; Behavior: Slow travel	Through
		3/28/2009-GMT		

Mar 28 Total 4 Calves 0 Er Gray whale (northbound)
Day 55 of 105

13	Good-2	Er Total 3 — 0 Calves at sighting		
		13:54:00 PDT	Blow	
		20:54-GMT	Position: 125° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Blow/Body	Holly/Buoys
		Time		
		14:02:00 PDT	Blow	
		21:02-GMT	Position: 136° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
		14:10:00 PDT	Blow	
		21:10-GMT	Position: 151° / 1,369 m Dir: West; Behavior: Slow travel • Fluke	
		14:19:00 PDT	Blow	
		21:19-GMT	Position: 196° / 840 m Dir: West; Behavior: Slow travel • Fluke	
		14:26:00 PDT	Blow	Inside /
		21:26-GMT	Position: 244° / 1,228 m Dir: West; Behavior: Slow travel • Fluke	Outside
	17	Fair-2	Er Total 1 — 0 Calves at sighting	
		15:28:00 PDT	Blow	
		22:28-GMT	Position: 216° / 2,094 m Dir: West; Behavior: Slow travel	
		15:40:00 PDT	Blow	
		22:40-GMT	Position: 240° / 2,553 m Dir: West; Behavior: Slow travel	
		15:49:00 PDT	Blow	Inside /
		22:49-GMT	Position: 250° / 2,872 m Dir: West; Behavior: Slow travel	Outside
Mar 29	Total 5	Calves 0	Er Gray whale (northbound)	
Day 56 of 105				
	11	Poor-2	Er Total 1 — 0 Calves at sighting	
		12:35:00 PDT	Blow	
		19:35-GMT	Position: 104° / 2,553 m Dir: West; Behavior: Slow travel	
		13:01:00 PDT	Blow	
		20:01-GMT	Position: 169° / 449 m Dir: West; Behavior: Slow travel	
		13:03:00 PDT	Blow	
		20:03-GMT	Position: 208° / 505 m Dir: West; Behavior: Slow travel	
		13:06:00 PDT	Blow	Inside / ND
		20:06-GMT	Position: 236° / 418 m Dir: West; Behavior: Slow travel	
	12	Fair-2	Er Total 2 — 0 Calves at sighting	
		13:15:00 PDT	Blow	
		20:15-GMT	Position: 104° / 2,553 m Dir: West; Behavior: Slow travel	
		<i>Condor watching whales -- Tt (SC#10) in area of whales</i>		
		13:20:00 PDT	ni	
		20:20-GMT	Position: 112° / 2,553 m Dir: West; Behavior: Slow travel	
		13:25:00 PDT	Blow	
		20:25-GMT	Position: 120° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
		13:34:00 PDT	Blow	
		20:34-GMT	Position: 134° / 1,546 m Dir: West; Behavior: Slow travel	
		13:37:00 PDT	Blow	
		20:37-GMT	Position: 146° / 1,369 m Dir: West; Behavior: Slow travel • Fluke	
		<i>animal that fluked did not make visible blow</i>		
		13:43:00 PDT	Blow	
		20:43-GMT	Position: 172° / 871 m Dir: West; Behavior: Slow travel • Rolling	
		13:46:00 PDT	Blow	
		20:46-GMT	Position: 194° / 761 m Dir: West; Behavior: Slow travel • Fluke	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Buoys
		Time	Blow/Body	
		14:12:00 PDT	Body	
		21:12-GMT	Position: 260° / 871 m Dir: West; Behavior: Slow travel • Breach	
		14:14:00 PDT	Blow	Inside /
		21:14-GMT	Position: 270° / 1,228 m Dir: West; Behavior: Slow travel	Outside
		<i>disappeared, then breached four times before Shane Seep - blew in the seep -- head up "Show your baleen"</i>		
	19	Poor-3	Er Total 2 — 0 Calves at sighting	
		16:44:00 PDT	Blow	
		23:44-GMT	Position: 204° / 1,778 m Dir: West; Behavior: Slow travel	
		16:53:00 PDT	Blow	Inside /
		23:53-GMT	Position: 235° / 1,778 m Dir: West; Behavior: Slow travel	Outside
Mar 30	Total 17	Calves 1	Er Gray whale (northbound)	
		Day 57 of 105		
	04	Poor-0	Er Total 1 — 0 Calves at sighting	
		9:38:00 PDT	Blow	
		16:38-GMT	Position: 127° / 639 m Dir: West; Behavior: Slow travel	
		9:41:00 PDT	Blow	
		16:41-GMT	Position: 148° / 418 m Dir: West; Behavior: Slow travel	
		9:42:00 PDT	Blow	
		16:42-GMT	Position: 161° / 356 m Dir: West; Behavior: Slow travel	
		9:45:00 PDT	Body	
		16:45-GMT	Position: 198° / 404 m Dir: West; Behavior: Slow travel	
		9:47:00 PDT	Blow	
		16:47-GMT	Position: 231° / 505 m Dir: West; Behavior: Slow travel	
		9:50:00 PDT	Blow	Inside / ND
		16:50-GMT	Position: 250° / 675 m Dir: West; Behavior: Slow travel	
	09	Fair-1	Er Total 1 — 0 Calves at sighting	
		11:50:00 PDT	Blow	
		18:50-GMT	Position: 138° / 2,553 m Dir: West; Behavior: Slow travel	
		11:51:00 PDT	Blow	
		18:51-GMT	Position: 140° / 2,553 m Dir: West; Behavior: Slow travel	
		11:58:00 PDT	Blow	
		18:58-GMT	Position: 145° / 2,553 m Dir: West; Behavior: Slow travel	
		12:08:00 PDT	Blow	
		19:08-GMT	Position: 163° / 1,369 m Dir: West; Behavior: Slow travel	
		12:17:00 PDT	Blow	
		19:17-GMT	Position: 200° / 1,546 m Dir: West; Behavior: Slow travel	
		12:24:00 PDT	Blow	
		19:24-GMT	Position: 231° / 1,546 m Dir: West; Behavior: Slow travel	
		12:26:00 PDT	Blow	
		19:26-GMT	Position: 235° / 1,546 m Dir: West; Behavior: Slow travel	
		12:35:00 PDT	Blow	
		19:35-GMT	Position: 254° / 1,546 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Buoys
		Time	Blow/Body	
		12:38:00 PDT	Blow	Inside /
		19:38-GMT	Position: 255° / 2,094 m Dir: West; Behavior: Slow travel	Outside
10	Fair-1	Er Total 2 — 1 Calf at sighting		
		11:51:00 PDT	Blow Images: none	
		18:51-GMT	Position: 140° / 1,369 m Dir: West; Behavior: Slow travel	
		<i>Blowhole of calf -- ocean side of cow -- calf frequent surfacings -- steady travel -- off kelp -- rostrum-first surface + head shot past Holly -- did not see either after that</i>		
		11:55:00 PDT	Blow	
		18:55-GMT	Position: 148° / 840 m Dir: West; Behavior: Slow travel	
		12:01:00 PDT	Blow	
		19:01-GMT	Position: 170° / 607 m Dir: West; Behavior: Slow travel	
		12:04:00 PDT	Body	
		19:04-GMT	Position: 202° / 449 m Dir: West; Behavior: Slow travel	
		12:05:00 PDT	Blow	
		19:05-GMT	Position: 207° / 505 m Dir: West; Behavior: Slow travel	
		12:08:00 PDT	Body	Inside / ND
		19:08-GMT	Position: 237° / 715 m Dir: West; Behavior: Slow travel	
13	Poor-3	Er Total 1 — 0 Calves at sighting		
		14:53:00 PDT	Body	
		21:53-GMT	Position: 186° / 715 m Dir: West; Behavior: Slow travel	
		15:07:00 PDT	Blow	Inside /
		22:07-GMT	Position: 257° / 1,778 m Dir: West; Behavior: Slow travel	Outside
14	Poor-3	Er Total 5 — 0 Calves at sighting		
		15:20:00 PDT	Blow	
		22:20-GMT	Position: 118° / 4,712 m Dir: West; Behavior: Slow travel	
		15:26:00 PDT	Blow	
		22:26-GMT	Position: 121° / 4,712 m Dir: West; Behavior: Slow travel	
		15:44:00 PDT	Blow	
		22:44-GMT	Position: 125° / 3,288 m Dir: West; Behavior: Slow travel	
		15:48:00 PDT	Blow	
		22:48-GMT	Position: 126° / 3,288 m Dir: West; Behavior: Slow travel	
		15:57:00 PDT	Blow	
		22:57-GMT	Position: 134° / 2,872 m Dir: West; Behavior: Slow travel	
		16:00:00 PDT	Blow	
		23:00-GMT	Position: 138° / 2,553 m Dir: West; Behavior: Slow travel	
		16:03:00 PDT	Blow	
		23:03-GMT	Position: 142° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
		16:05:00 PDT	Blow	
		23:05-GMT	Position: 145° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
		16:07:00 PDT	Blow	
		23:07-GMT	Position: 150° / 2,553 m Dir: West; Behavior: Slow travel	
		16:11:00 PDT	Blow	
		23:11-GMT	Position: 153° / 2,094 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Buoys
		Time	Blow/Body	
		16:12:00 PDT	Blow	
		23:12-GMT	Position: 159° / 2,872 m Dir: West; Behavior: Slow travel	
		16:14:00 PDT	Blow	
		23:14-GMT	Position: 164° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
		16:16:00 PDT	Blow	
		23:16-GMT	Position: 174° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	
		16:20:00 PDT	Blow	
		23:20-GMT	Position: 183° / 1,546 m Dir: West; Behavior: Slow travel • Fluke	
		16:22:00 PDT	Blow	
		23:22-GMT	Position: 191° / 1,546 m Dir: West; Behavior: Slow travel	
		16:24:00 PDT	Blow	
		23:24-GMT	Position: 200° / 1,546 m Dir: West; Behavior: Slow travel • Fluke	
		16:26:00 PDT	Blow	
		23:26-GMT	Position: 206° / 1,546 m Dir: West; Behavior: Slow travel • Fluke	
		16:29:00 PDT	Blow	
		23:29-GMT	Position: 219° / 1,778 m Dir: West; Behavior: Slow travel	
		16:34:00 PDT	Blow	Inside /
		23:34-GMT	Position: 234° / 2,094 m Dir: West; Behavior: Slow travel	Outside
		<i>whales arranged 3 + 2 spread north/south</i>		
15	Poor-3	Er Total 1 — 0 Calves at sighting		
		15:32:00 PDT	Blow	
		22:32-GMT	Position: 218° / 505 m Dir: West; Behavior: Slow travel • Fluke	
		15:38:00 PDT	Blow	
		22:38-GMT	Position: 255° / 871 m Dir: West; Behavior: Slow travel	
		15:46:00 PDT	Blow	Inside /
		22:46-GMT	Position: 266° / 1,369 m Dir: West; Behavior: Slow travel	Outside
18	Poor-3	Er Total 2 — 0 Calves at sighting		
		16:30:00 PDT	Blow	
		23:30-GMT	Position: 123° / 2,872 m Dir: West; Behavior: Slow travel	
		16:38:00 PDT	Blow	
		23:38-GMT	Position: 126° / 2,094 m Dir: West; Behavior: Slow travel	
		16:39:00 PDT	Blow	
		23:39-GMT	Position: 131° / 2,094 m Dir: West; Behavior: Slow travel	
		16:48:00 PDT	ni	
		23:48-GMT	Position: 147° / 1,369 m Dir: West; Behavior: Slow travel	
		16:55:00 PDT	Blow	Inside / ND
		23:55-GMT	Position: 186° / 871 m Dir: West; Behavior: Slow travel • Fluke	
20	Poor-3	Er Total 4 — 0 Calves at sighting		
		16:43:00 PDT	Blow	
		23:43-GMT	Position: 164° / 2,094 m Dir: West; Behavior: Slow travel	
		16:48:00 PDT	Blow	
		23:48-GMT	Position: 178° / 1,778 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Blow/Body	Holly/Buoys
		Time		
		16:54:00 PDT	Body	
		23:54-GMT	Position: 199° / 2,094 m Dir: West; Behavior: Slow travel	
		16:56:00 PDT	Blow	
		23:56-GMT	Position: 202° / 2,094 m Dir: West; Behavior: Slow travel	
		16:58:00 PDT	Blow	
		23:58-GMT	Position: 212° / 1,778 m Dir: West; Behavior: Slow travel	
		17:00:00 PDT	ni	Inside / ND
		0:00;	Position: 221° / 1,778 m Dir: West; Behavior: Slow travel	
		3/31/2009-GMT		
		<i>3 + 1 east to west</i>		

Mar 31 Total 12 Calves 2 Er Gray whale (northbound)
Day 58 of 105

01	Fair-2	<i>Er Total 2 — 0 Calves at sighting</i>		
		9:01:00 PDT	Blow	
		16:01-GMT	Position: 131° / 871 m Dir: West; Behavior: Slow travel	
		9:05:00 PDT	Blow	
		16:05-GMT	Position: 165° / 551 m Dir: West; Behavior: Slow travel	
		9:08:00 PDT	Body	
		16:08-GMT	Position: 186° / 485 m Dir: West; Behavior: Slow travel • Fluke	
		9:09:00 PDT	Body	
		16:09-GMT	Position: 231° / 449 m Dir: West; Behavior: Slow travel	
		9:10:00 PDT	ni	
		16:10-GMT	Position: 234° / 505 m Dir: West; Behavior: Slow travel	
		9:16:00 PDT	Blow	
		16:16-GMT	Position: 254° / m Dir: West; Behavior: Slow travel	
		9:18:00 PDT	Blow	
		16:18-GMT	Position: 260° / 1,228 m Dir: West; Behavior: Slow travel	
		9:19:00 PDT	Blow	Inside /
		16:19-GMT	Position: 264° / 1,369 m Dir: West; Behavior: Slow travel	Outside

02	Fair-2	<i>Er Total 2 — 0 Calves at sighting</i>		
		9:07:00 PDT	Blow	
		16:07-GMT	Position: 114° / 1,369 m Dir: West; Behavior: Slow travel	
		9:10:00 PDT	Blow	
		16:10-GMT	Position: 119° / 1,019 m Dir: West; Behavior: Slow travel	
		9:13:00 PDT	Blow	
		16:13-GMT	Position: 137° / 1,019 m Dir: West; Behavior: Slow travel	
		9:14:00 PDT	Blow	
		16:14-GMT	Position: 141° / 1,019 m Dir: West; Behavior: Slow travel	
		9:15:00 PDT	ni	
		16:15-GMT	Position: 146° / 1,019 m Dir: West; Behavior: Slow travel	
		9:18:00 PDT	Blow	
		16:18-GMT	Position: 156° / 939 m Dir: West; Behavior: Slow travel	
		<i>JOINED WITH S#4 at this position. For tacking, see S#4</i>		

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau Time	Blow/Body	Holly/Buoys
	04	Fair-2	Er Total 1 — 0 Calves at sighting	
		9:14:00 PDT	Blow	
		16:14-GMT	Position: 124° / 840 m Dir: West; Behavior: Slow travel	
		9:17:00 PDT	Blow	
		16:17-GMT	Position: 136° / 1,019 m Dir: West; Behavior: Slow travel	
		9:19:00 PDT	Blow	
		16:19-GMT	Position: 162° / 505 m Dir: West; Behavior: Slow travel	
			<i>joined with S#2, now group of 3</i>	
		9:22:00 PDT	Blow	
		16:22-GMT	Position: 186° / 761 m Dir: West; Behavior: Slow travel	
		9:23:00 PDT	Blow	
		16:23-GMT	Position: 196° / 812 m Dir: West; Behavior: Slow travel	
		9:29:00 PDT	Blow	
		16:29-GMT	Position: 266° / 812 m Dir: West; Behavior: Slow travel	
		9:32:00 PDT	Blow	Inside / Inside
		16:32-GMT	Position: 294° / 715 m Dir: West; Behavior: Slow travel	
			<i>One of the three separated again at buoys.</i>	
			<i>At first S#2 + S34 were two groups with a single (S#4) near the kelp and the pair (S#2) about 250 m off kelp. Then they joined and traveled along kelp and inside buoys. MHS went to Sands overlook and saw whales in kelp at Ellwood. No calves. (Dave on Condor Express did not see a calf when he encountered the whales west of Counter Point.)</i>	
	19	Good-2	Er Total 1 — 0 Calves at sighting	
		13:26:00 PDT	Blow	
		20:26-GMT	Position: 221° / 2,872 m Dir: West; Behavior: Slow travel	
		13:30:00 PDT	Blow	
		20:30-GMT	Position: 231° / 2,094 m Dir: West; Behavior: Slow travel	
		13:34:00 PDT	Blow	Inside /
		20:34-GMT	Position: 239° / 2,094 m Dir: West; Behavior: Slow travel	Outside
	21	Good-3	Er Total 2 — 1 Calf at sighting	
		13:56:00 PDT	Blow Images: none	
		20:56-GMT	Position: 112° / 1,778 m Dir: West; Behavior: Slow travel	
			<i>First saw the calf when it stuck its head out of the water. They moved slowly just outside of the kelp. We saw the calf surface more than the cow, but no blows from the calf</i>	
		14:01:00 PDT	Body	
		21:01-GMT	Position: 117° / 1,546 m Dir: West; Behavior: Slow travel	
		14:11:00 PDT	Blow	
		21:11-GMT	Position: 139° / 551 m Dir: West; Behavior: Slow travel	
		14:13:00 PDT	Blow	
		21:13-GMT	Position: 163° / 485 m Dir: West; Behavior: Slow travel	
		14:18:00 PDT	Body	
		21:18-GMT	Position: 210° / 551 m Dir: West; Behavior: Slow travel	
		14:21:00 PDT	Blow	
		21:21-GMT	Position: 238° / 578 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Blow/Body	Holly/Buoys
	Time			
	14:26:00 PDT		Blow	
	21:26-GMT		Position: 260° / 871 m Dir: West; Behavior: Slow travel	
	14:34:00 PDT		Body	
	21:34-GMT		Position: 268° / 1,228 m Dir: West; Behavior: Slow travel	
	14:37:00 PDT		Blow	Inside /
	21:37-GMT		Position: 276° / 1,778 m Dir: West; Behavior: Slow travel	Outside
24	Good-0	Er Total 2 — 0 Calves at sighting		
	15:48:00 PDT		Blow	
	22:48-GMT		Position: 206° / 551 m Dir: West; Behavior: Slow travel	
	15:53:00 PDT		Blow	
	22:53-GMT		Position: 246° / 812 m Dir: West; Behavior: Slow travel	
	15:59:00 PDT		Blow	
	22:59-GMT		Position: 265° / 1,228 m Dir: West; Behavior: Slow travel	
	16:01:00 PDT		Blow	Inside /
	23:01-GMT		Position: 267° / 1,778 m Dir: West; Behavior: Slow travel	Outside
27	Good-0	Er Total 2 — 1 Calf at sighting		
	16:33:00 PDT		Blow	Images: none
	23:33-GMT		Position: 131° / 871 m Dir: West; Behavior: Slow travel	
	<i>First saw calf blow alone, then they surfaced together. Traveled along kelp, but we were not able to follow them beyond Sands toward Ellwood.</i>			
	16:37:00 PDT		Body	
	23:37-GMT		Position: 152° / 675 m Dir: West; Behavior: Slow travel	
	16:41:00 PDT		Body	
	23:41-GMT		Position: 186° / 578 m Dir: West; Behavior: Slow travel	
	16:44:00 PDT		Blow	
	23:44-GMT		Position: 203° / 466 m Dir: West; Behavior: Slow travel	
	16:46:00 PDT		Blow	
	23:46-GMT		Position: 237° / 505 m Dir: West; Behavior: Slow travel	
	16:49:00 PDT		Body	
	23:49-GMT		Position: 267° / 551 m Dir: West; Behavior: Slow travel	
	16:52:00 PDT		Blow	
	23:52-GMT		Position: 284° / 715 m Dir: West; Behavior: Slow travel	
	16:53:00 PDT		Blow	Inside / Inside
	23:53-GMT		Position: 289° / 812 m Dir: West; Behavior: Slow travel	
	<i>along kelp and waves @ Sands</i>			

Apr 01 Total 8 Calves 1 Er Gray whale (northbound)
Day 59 of 105

07	Poor-4	Er Total 2 — 1 Calf at sighting		
	10:34:00 PDT		Blow	Images: none
	17:34-GMT		Position: 106° / 2,094 m Dir: West; Behavior: Slow travel	
	<i>many calf breaches (5) -- turned into kelp near Ellwood Pier</i>			
	10:41:00 PDT		Blow	
	17:41-GMT		Position: 111° / 1,778 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Buoys
		Time	Blow/Body	
		10:44:00 PDT	Blow	
		17:44-GMT	Position: 113° / 1,546 m Dir: West; Behavior: Slow travel	
		10:50:00 PDT	Blow	
		17:50-GMT	Position: 117° / 1,019 m Dir: West; Behavior: Slow travel	
		10:54:00 PDT	Blow	
		17:54-GMT	Position: 124° / 871 m Dir: West; Behavior: Slow travel	
		10:59:00 PDT	Blow	
		17:59-GMT	Position: 116° / 812 m Dir: West; Behavior: Slow travel	
		11:03:00 PDT	Blow	
		18:03-GMT	Position: 147° / 551 m Dir: West; Behavior: Slow travel	
		11:07:00 PDT	Blow	
		18:07-GMT	Position: 197° / 346 m Dir: West; Behavior: Slow travel	
		11:10:00 PDT	Blow	
		18:10-GMT	Position: 225° / 449 m Dir: West; Behavior: Slow travel	
		11:12:00 PDT	Body	
		18:12-GMT	Position: 245° / 449 m Dir: West; Behavior: Slow travel • Breach	
		11:14:00 PDT	Blow	
		18:14-GMT	Position: 254° / 449 m Dir: West; Behavior: Slow travel • Bubbles seen	
		11:18:00 PDT	Body	Inside / Inside
		18:18-GMT	Position: 284° / 715 m Dir: West; Behavior: Slow travel • Breach	
<i>the calf breached 5 times in all !!!!!</i>				

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

		13:20:00 PDT	Blow	
		20:20-GMT	Position: 103° / 2,553 m Dir: West; Behavior: Slow travel	
			<i>2 + 1</i>	
		13:24:00 PDT	Blow	
		20:24-GMT	Position: 108° / 2,553 m Dir: West; Behavior: Slow travel	
		13:34:00 PDT	Blow	
		20:34-GMT	Position: 118° / 2,094 m Dir: West; Behavior: Slow travel	
		13:36:00 PDT	Blow	
		20:36-GMT	Position: 121° / 1,778 m Dir: West; Behavior: Slow travel	
		13:43:00 PDT	Blow	
		20:43-GMT	Position: 140° / 939 m Dir: West; Behavior: Slow travel	
		13:44:00 PDT	Blow	
		20:44-GMT	Position: 146° / 1,019 m Dir: West; Behavior: Slow travel	
		13:48:00 PDT	Blow	
		20:48-GMT	Position: 171° / 761 m Dir: West; Behavior: Slow travel	
		13:50:00 PDT	Blow	
		20:50-GMT	Position: 186° / 715 m Dir: West; Behavior: Slow travel	
		13:51:00 PDT	Body	
		20:51-GMT	Position: 198° / 715 m Dir: West; Behavior: Slow travel	
		13:54:00 PDT	Blow	
		20:54-GMT	Position: 219° / 761 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Blow/Body	Holly/Buoys
		Time		
		13:55:00 PDT	Blow	
		20:55-GMT	Position: 229° / 715 m Dir: West; Behavior: Slow travel	
		14:02:00 PDT	Blow	Inside /
		21:02-GMT	Position: 259° / 1,778 m Dir: West; Behavior: Slow travel	Outside
	18	Fair-1	Er Total 3 — 0 Calves at sighting	
		15:18:00 PDT	Blow	
		22:18-GMT	Position: 154° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
		15:25:00 PDT	Blow	
		22:25-GMT	Position: 182° / 1,228 m Dir: West; Behavior: Slow travel • Fluke	
		15:34:00 PDT	Blow	Inside /
		22:34-GMT	Position: 232° / 1,228 m Dir: West; Behavior: Slow travel	Outside
Apr 02	Total 12	Calves 1	Er Gray whale (northbound)	
Day 60 of 105				
	16	Poor-3	Er Total 2 — 0 Calves at sighting	
		12:14:00 PDT	Blow	
		19:14-GMT	Position: 121° / 1,228 m Dir: West; Behavior: Slow travel	
		12:22:00 PDT	Blow	
		19:22-GMT	Position: 154° / 505 m Dir: West; Behavior: Slow travel	
		12:26:00 PDT	Blow	
		19:26-GMT	Position: 199° / 495 m Dir: West; Behavior: Slow travel	
		12:27:00 PDT	Blow	
		19:27-GMT	Position: 215° / 607 m Dir: West; Behavior: Slow travel	
		12:27:00 PDT	Blow	
		19:27-GMT	Position: 215° / 607 m Dir: West; Behavior: Slow travel	
		12:31:00 PDT	Blow	
		19:31-GMT	Position: 251° / 715 m Dir: West; Behavior: Slow travel	
		12:34:00 PDT	Blow	
		19:34-GMT	Position: 269° / 675 m Dir: West; Behavior: Slow travel	
		12:37:00 PDT	Blow	Inside / ND
		19:37-GMT	Position: 254° / 715 m Dir: East; Behavior: Slow travel	
		<i>Possible calf -- never saw body of animal -- small blows -- zigzagged at buoys -- inside buoys then backtracked -- maybe because of barge -- NO CALF SHEET</i>		
	17	Poor-3	Er Total 1 — 0 Calves at sighting	
		12:53:00 PDT	Blow	
		19:53-GMT	Position: 126° / 1,546 m Dir: West; Behavior: Slow travel	
		13:01:00 PDT	Blow	
		20:01-GMT	Position: 167° / 761 m Dir: West; Behavior: Slow travel	
		13:03:00 PDT	ni	
		20:03-GMT	Position: 185° / 675 m Dir: West; Behavior: Slow travel	
		13:06:00 PDT	Body	
		20:06-GMT	Position: 214° / 551 m Dir: West; Behavior: Slow travel • Fluke	
		13:11:00 PDT	Blow	
		20:11-GMT	Position: 243° / 639 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Buoys
		Time	Blow/Body	
		13:18:00 PDT	Blow	
		20:18-GMT	Position: 259° / 675 m Dir: West; Behavior: Slow travel	
		13:21:00 PDT	Blow	
		20:21-GMT	Position: 266° / 1,546 m Dir: West; Behavior: Slow travel	
		13:22:00 PDT	ni	Inside /
		20:22-GMT	Position: 267° / 1,546 m Dir: West; Behavior: Slow travel	Outside
		<i>Changed direction to SW, likely to avoid oil barge between buoys</i>		
18	Poor-3	Er Total 1 — 0 Calves at sighting		
		13:56:00 PDT	Blow	
		20:56-GMT	Position: 105° / 2,553 m Dir: West; Behavior: Slow travel	
		14:03:00 PDT	Blow	
		21:03-GMT	Position: 111° / 1,778 m Dir: West; Behavior: Slow travel	
		14:05:00 PDT	Blow	
		21:05-GMT	Position: 112° / 1,778 m Dir: West; Behavior: Slow travel	
		14:08:00 PDT	Blow	
		21:08-GMT	Position: 114° / 1,546 m Dir: West; Behavior: Slow travel	
		14:11:00 PDT	Blow	
		21:11-GMT	Position: 116° / 1,546 m Dir: West; Behavior: Slow travel	
		14:14:00 PDT	Blow	
		21:14-GMT	Position: 121° / 1,228 m Dir: West; Behavior: Slow travel	
		14:17:00 PDT	Blow	
		21:17-GMT	Position: 126° / 939 m Dir: West; Behavior: Slow travel • Fluke	
		14:22:00 PDT	ni	
		21:22-GMT	Position: 155° / 551 m Dir: West; Behavior: Slow travel	
		14:24:00 PDT	ni	
		21:24-GMT	Position: 168° / 505 m Dir: West; Behavior: Slow travel	
		14:28:00 PDT	Body	
		21:28-GMT	Position: 214° / 495 m Dir: West; Behavior: Slow travel	
		14:34:00 PDT	Blow	Inside / ND
		21:34-GMT	Position: 256° / 812 m Dir: West; Behavior: Slow travel	
		<i>Final blow before buoys ... Oil barge interaction? [No entry on Vessel Sheet]</i>		
21	Poor-3	Er Total 4 — 0 Calves at sighting		
		14:45:00 PDT	Blow	
		21:45-GMT	Position: 134° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	
		14:48:00 PDT	Blow	
		21:48-GMT	Position: 142° / 3,288 m Dir: West; Behavior: Slow travel	
		14:50:00 PDT	Blow	
		21:50-GMT	Position: 144° / 2,872 m Dir: West; Behavior: Slow travel	
		14:52:00 PDT	Blow	
		21:52-GMT	Position: 147° / 2,872 m Dir: West; Behavior: Slow travel	
		14:53:00 PDT	ni	
		21:53-GMT	Position: 149° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Blow/Body	Holly/Buoys
		Time		
		14:57:00 PDT	Blow	
		21:57-GMT	Position: 157° / 1,778 m Dir: West; Behavior: Slow travel	
		14:59:00 PDT	Blow	
		21:59-GMT	Position: 162° / 1,546 m Dir: West; Behavior: Slow travel	
		15:00:00 PDT	Blow	
		22:00-GMT	Position: 167° / 1,546 m Dir: West; Behavior: Slow travel • Breach	
		15:05:00 PDT	Blow	
		22:05-GMT	Position: 183° / 1,778 m Dir: West; Behavior: Slow travel	
		15:07:00 PDT	Blow	
		22:07-GMT	Position: 193° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	
		15:11:00 PDT	ni	
		22:11-GMT	Position: 210° / 1,546 m Dir: West; Behavior: Slow travel	
		15:13:00 PDT	Blow	
		22:13-GMT	Position: 218° / 1,546 m Dir: West; Behavior: Slow travel • Fluke	
		15:17:00 PDT	Blow	
		22:17-GMT	Position: 233° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
		15:23:00 PDT	Blow	Inside /
		22:23-GMT	Position: 251° / 2,094 m Dir: West; Behavior: Slow travel	Outside

Blows + breaches: very active whales

22 Poor-3 **Er Total 2 — 1 Calf at sighting**

		15:24:00 PDT	Blow	Images: none	
		22:24-GMT	Position: 131° / 1,019 m Dir: West; Behavior: Slow travel		
		<i>with sea lion -- got good looks as cow went down and calf was up -- then saw both as wave subsided -- lingered in kelp before buoys (with barge inside) -- traveled inside buoys -- MHS went to Sands overlook and did not see whales</i>			
		15:27:00 PDT	Blow		
		22:27-GMT	Position: 143° / 505 m Dir: West; Behavior: Slow travel		
		15:28:00 PDT	Blow		
		22:28-GMT	Position: 151° / 449 m Dir: West; Behavior: Slow travel		
		15:13:00 PDT	Body		
		22:13-GMT	Position: 189° / 356 m Dir: West; Behavior: Slow travel		
		15:32:00 PDT	Blow		
		22:32-GMT	Position: 198° / 346 m Dir: West; Behavior: Slow travel		
		15:38:00 PDT	Blow		
		22:38-GMT	Position: 251° / 505 m Dir: West; Behavior: Slow travel		
		15:47:00 PDT	Blow		Inside / Inside
		22:47-GMT	Position: 286° / 715 m Dir: West; Behavior: Slow travel		
		<i>Traveled along the kelp, then stayed close to shore passing the barge</i>			

25 Poor-3 **Er Total 2 — 0 Calves at sighting**

		16:12:00 PDT	Blow		
		23:12-GMT	Position: 148° / 939 m Dir: West; Behavior: Slow travel		
		16:16:00 PDT	Blow		ND / ND
		23:16-GMT	Position: 180° / 675 m Dir: West; Behavior: Slow travel		
		<i>We easily saw them, then they disappeared before Holly -- not enough to determine if there was a calf</i>			

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time	Blow/Body	Holly/Buoys
Apr 03 Day 61 of 105	Total 2 Calves 0		Er Gray whale (northbound)		
<hr/>					
	06	Poor-4	Er Total 2 — 0 Calves at sighting		
<hr/>					
			10:09:00 PDT	Blow	
			17:09-GMT	Position: 156° / 551 m Dir: West; Behavior: Slow travel	
<hr/>					
			10:14:00 PDT	Body	Inside / ND
			17:14-GMT	Position: 207° / 433 m Dir: West; Behavior: Slow travel	
<hr/>					
Apr 04 Day 62 of 105	Total 5 Calves 0		Er Gray whale (northbound)		
<hr/>					
	03	Fair-2	Er Total 2 — 0 Calves at sighting		
<hr/>					
			9:16:00 PDT	Blow	
			16:16-GMT	Position: 120° / 1,369 m Dir: West; Behavior: Slow travel	
			<i>no calf sheet</i>		
<hr/>					
			9:23:00 PDT	Blow	
			16:23-GMT	Position: 142° / 675 m Dir: West; Behavior: Slow travel	
<hr/>					
			9:25:00 PDT	Blow	
			16:25-GMT	Position: 154° / 551 m Dir: West; Behavior: Slow travel	
<hr/>					
			9:29:00 PDT	Blow	
			16:29-GMT	Position: 216° / 404 m Dir: West; Behavior: Slow travel	
<hr/>					
			9:35:00 PDT	Blow	Inside / Inside
			16:35-GMT	Position: 267° / 715 m Dir: West; Behavior: Slow travel	
			<i>MHS went to Sands overlook and saw whales three times. Last seen approaching kelp near Ellwood. Very likely cow/calf, but did not see the body of the small whale well enough. Traveled directly by, something cow/calf doesn't usually do. Traveled the cow/calf trail, though, along kelp, inside buoys.</i>		
<hr/>					
	08	Fair-2	Er Total 1 — 0 Calves at sighting		
<hr/>					
			11:46:00 PDT	Blow	
			18:46-GMT	Position: 154° / 1,778 m Dir: West; Behavior: Slow travel	
<hr/>					
			11:50:00 PDT	Blow	
			18:50-GMT	Position: 155° / 1,369 m Dir: North; Behavior: Slow travel	
<hr/>					
			11:56:00 PDT	Blow	
			18:56-GMT	Position: 160° / m Dir: nd; Behavior: Slow travel • Milling	
			<i>meandering -- feeding?</i>		
<hr/>					
			11:58:00 PDT	Blow	
			18:58-GMT	Position: 161° / 1,778 m Dir: West; Behavior: Slow travel • Milling	
<hr/>					
			12:01:00 PDT	Blow	
			19:01-GMT	Position: 162° / 1,778 m Dir: West; Behavior: Slow travel	
			<i>birds in area</i>		
<hr/>					
			12:06:00 PDT	Blow	
			19:06-GMT	Position: 167° / 1,546 m Dir: West; Behavior: Slow travel	
<hr/>					
			12:07:00 PDT	Blow	
			19:07-GMT	Position: 170° / 1,778 m Dir: West; Behavior: Slow travel	
			<i>very slow traveling</i>		
<hr/>					
			12:29:00 PDT	Blow	
			19:29-GMT	Position: 174° / 1,778 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Blow/Body	Holly/Buoys
	Time			
		12:36:00 PDT	Blow	ND / ND
		19:36-GMT	Position: 176° / 2,094 m Dir: West; Behavior: Slow travel	
		?		
	10	Fair-1	Er Total 2 — 0 Calves at sighting	
		13:45:00 PDT	Body	
		20:45-GMT	Position: 124° / 715 m Dir: West; Behavior: Slow travel • Fluke	
		13:48:00 PDT	Blow	
		20:48-GMT	Position: 151° / 871 m Dir: West; Behavior: Slow travel	
		13:51:00 PDT	Blow	
		20:51-GMT	Position: 183° / 356 m Dir: West; Behavior: Slow travel • Fluke	
		13:55:00 PDT	Blow	Inside / ND
		20:55-GMT	Position: 236° / 505 m Dir: West; Behavior: Slow travel	
Apr 05	Total 2	Calves 0	Er Gray whale (northbound)	
Day 63 of 105				
	25	Good-1	Er Total 1 — 0 Calves at sighting	
		15:11:00 PDT	Blow	
		22:11-GMT	Position: 124° / 2,094 m Dir: West; Behavior: Slow travel	
		15:22:00 PDT	Blow	
		22:22-GMT	Position: 127° / 1,546 m Dir: West; Behavior: Slow travel	
		15:24:00 PDT	Blow	
		22:24-GMT	Position: 134° / 1,546 m Dir: West; Behavior: Slow travel	
		15:25:00 PDT	Blow	
		22:25-GMT	Position: 136° / 1,369 m Dir: West; Behavior: Slow travel • Fluke	
		15:35:00 PDT	Blow	
		22:35-GMT	Position: 183° / 551 m Dir: West; Behavior: Slow travel	
		15:36:00 PDT	Blow	
		22:36-GMT	Position: 199° / 551 m Dir: West; Behavior: Slow travel	
		15:44:00 PDT	Blow	
		22:44-GMT	Position: 254° / 812 m Dir: West; Behavior: Slow travel	
		15:48:00 PDT	Blow	Inside /
		22:48-GMT	Position: 264° / 1,369 m Dir: West; Behavior: Slow travel	Outside
	29	Good-1	Er Total 1 — 0 Calves at sighting	
		16:53:00 PDT	Body	
		23:53-GMT	Position: 130° / 639 m Dir: West; Behavior: Slow travel	
		16:57:00 PDT	Body	
		23:57-GMT	Position: 153° / 356 m Dir: West; Behavior: Slow travel	
		16:58:00 PDT	Blow	
		23:58-GMT	Position: 172° / 318 m Dir: West; Behavior: Slow travel	
		17:00:00 PDT	Blow	
		0:00; 4/6/2009-GMT	Position: 209° / 356 m Dir: West; Behavior: Slow travel	
		17:03:00 PDT	Blow	
		0:03; 4/6/2009-GMT	Position: 233° / 404 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Buoys
		Time	Blow/Body	
		17:06:00 PDT	Blow	Inside / ND
0:06; 4/6/2009-GMT Position: 254° / 551 m Dir: West; Behavior: Slow travel				
Apr 08	Total 4 Calves 2	Er Gray whale (northbound)		
Day 66 of 105				
02 Excellent- Er Total 2 — 1 Calf at sighting				
		9:16:00 PDT	Blow	Images: 9838-9841
		16:16-GMT	Position: 119° / 1,369 m Dir: West; Behavior: Slow travel • Fluke <i>calf lifted head before blow -- Recognized the little body (calf) quickly -- did not see them after buoys</i>	
		9:22:00 PDT	Blow	
		16:22-GMT	Position: 130° / 607 m Dir: West; Behavior: Slow travel	
		9:26:00 PDT	Blow	
		16:26-GMT	Position: 153° / 367 m Dir: West; Behavior: Slow travel	
		9:28:00 PDT	Blow	
		16:28-GMT	Position: 189° / 318 m Dir: West; Behavior: Slow travel	
		9:37:00 PDT	Blow	Inside / Inside
		16:37-GMT	Position: 277° / 715 m Dir: West; Behavior: Slow travel	
08 Fair-4 Er Total 2 — 1 Calf at sighting				
		10:42:00 PDT	Blow	Images: 9845-9849
		17:42-GMT	Position: 104° / 2,553 m Dir: West; Behavior: Slow travel <i>They traveled very slow. It was windy and the blow and body were separated.</i>	
		10:47:00 PDT	Blow	
		17:47-GMT	Position: 105° / 2,553 m Dir: West; Behavior: Slow travel	
		10:50:00 PDT	Blow	
		17:50-GMT	Position: 109° / 2,094 m Dir: West; Behavior: Slow travel	
		10:57:00 PDT	Blow	
		17:57-GMT	Position: 113° / 1,778 m Dir: West; Behavior: Slow travel	
		11:01:00 PDT	Blow	
		18:01-GMT	Position: 118° / 1,369 m Dir: West; Behavior: Slow travel	
		11:05:00 PDT	Blow	
		18:05-GMT	Position: 124° / 675 m Dir: West; Behavior: Slow travel	
		11:10:00 PDT	Blow	
		18:10-GMT	Position: 170° / 356 m Dir: West; Behavior: Slow travel	
		11:13:00 PDT	Blow	
		18:13-GMT	Position: 198° / 346 m Dir: West; Behavior: Slow travel	
		11:16:00 PDT	Blow	
		18:16-GMT	Position: 225° / 433 m Dir: West; Behavior: Slow travel	
		11:19:00 PDT	Blow	
		18:19-GMT	Position: 262° / 675 m Dir: West; Behavior: Slow travel	
		11:21:00 PDT	Blow	
		18:21-GMT	Position: 176° / 607 m Dir: West; Behavior: Slow travel	
		11:24:00 PDT	Blow	
		18:24-GMT	Position: 281° / 639 m Dir: West; Behavior: Slow travel	
		11:27:00 PDT	Blow	Inside / Inside
		18:27-GMT	Position: 286° / 675 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time		Blow/Body	Holly/Buoys
Apr 09	Total 6	Calves 2	Er Gray whale (northbound)			
Day 67 of 105						
<hr/>						
	02	Good-0	Er Total 2 — 1 Calf at sighting			
			9:05:00 PDT	Blow	Images: 9850-1	
			16:05-GMT	Position: 99° / 2,872 m Dir: West; Behavior: Slow travel <i>calf outside mom, then changed to inside right in front of us</i>		
			9:26:00 PDT	Body		
			16:26-GMT	Position: 111° / 2,094 m Dir: West; Behavior: Slow travel		
			9:38:00 PDT	Body		
			16:38-GMT	Position: 130° / 840 m Dir: West; Behavior: Slow travel		
			9:41:00 PDT	Body		
			16:41-GMT	Position: 136° / 578 m Dir: West; Behavior: Slow travel		
			9:43:00 PDT	Body		
			16:43-GMT	Position: 160° / 418 m Dir: West; Behavior: Slow travel		
			9:43:00 PDT	Blow		
			16:43-GMT	Position: 205° / 336 m Dir: West; Behavior: Slow travel		
			9:50:00 PDT	Blow		
			16:50-GMT	Position: 236° / 485 m Dir: West; Behavior: Slow travel		
			9:52:00 PDT	Blow		
			16:52-GMT	Position: 249° / 578 m Dir: West; Behavior: Slow travel		
			9:53:00 PDT	Blow		
			16:53-GMT	Position: 263° / 495 m Dir: West; Behavior: Slow travel		
			9:53:00 PDT	Body		Inside / Inside
			16:53-GMT	Position: 277° / 551 m Dir: West; Behavior: Slow travel		
<hr/>						
	06	Good-0	Er Total 2 — 1 Calf at sighting			
			10:16:00 PDT	Blow	Images: 9852-9859	
			17:16-GMT	Position: 117° / 1,778 m Dir: West; Behavior: Slow travel <i>calf stayed close to surface and broke surface frequently -- cow+calf went under kelp and disappeared at buoys</i>		
			10:19:00 PDT	Body		
			17:19-GMT	Position: 114° / 1,228 m Dir: West; Behavior: Slow travel • Milling <i>in kelp</i>		
			10:23:00 PDT	Blow		
			17:23-GMT	Position: 116° / 812 m Dir: West; Behavior: Slow travel		
			10:28:00 PDT	Blow		
			17:28-GMT	Position: 124° / 761 m Dir: West; Behavior: Slow travel		
			10:34:00 PDT	Body		
			17:34-GMT	Position: 159° / 367 m Dir: West; Behavior: Slow travel		
			10:36:00 PDT	Body		
			17:36-GMT	Position: 169° / 378 m Dir: West; Behavior: Slow travel		
			10:37:00 PDT	Body		
			17:37-GMT	Position: 204° / 346 m Dir: West; Behavior: Slow travel		
			10:43:00 PDT	Body		
			17:43-GMT	Position: 220° / 318 m Dir: West; Behavior: Slow travel		

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Buoys
		Time	Blow/Body	
		10:45:00 PDT	Body	
		17:45-GMT	Position: 227° / 505 m Dir: West; Behavior: Slow travel	
		10:48:00 PDT	Body	
		17:48-GMT	Position: 246° / 527 m Dir: West; Behavior: Slow travel	
		10:50:00 PDT	Blow	Inside / ND
		17:50-GMT	Position: 262° / 578 m Dir: West; Behavior: Slow travel	
	08	Good-3	Er Total 2 — 0 Calves at sighting	
		11:24:00 PDT	Blow	
		18:24-GMT	Position: 104° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
		11:30:00 PDT	Blow	
		18:30-GMT	Position: 109° / 2,094 m Dir: West; Behavior: Slow travel	
		11:33:00 PDT	Blow	
		18:33-GMT	Position: 111° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
		11:39:00 PDT	Blow	
		18:39-GMT	Position: 124° / 1,369 m Dir: West; Behavior: Slow travel	
		11:42:00 PDT	Blow	
		18:42-GMT	Position: 139° / 812 m Dir: West; Behavior: Slow travel • Fluke	
		11:52:00 PDT	Blow	
		18:52-GMT	Position: 225° / 675 m Dir: West; Behavior: Slow travel	
		11:53:00 PDT	Body	Inside / ND
		18:53-GMT	Position: 234° / 812 m Dir: West; Behavior: Slow travel	
		<i>lost whales @ Holly</i>		
Apr 10	Total 2	Calves 1	Er Gray whale (northbound)	
Day 68 of 105				
	01	Poor-0	Er Total 2 — 1 Calf at sighting	
		8:55:00 PDT	Body	Images: 9864-9896
		15:55-GMT	Position: 147° / 551 m Dir: West; Behavior: Slow travel	
		<i>hanging out off Point + Sands in kelp -- rolling -- some calf flukes -- coming up in the kelp: kelp monster</i>		
		8:57:00 PDT	Body	
		15:57-GMT	Position: 169° / 404 m Dir: West; Behavior: Slow travel	
		9:01:00 PDT	Blow	
		16:01-GMT	Position: 217° / 336 m Dir: West; Behavior: Slow travel • Milling	
		9:04:00 PDT	Body	
		16:04-GMT	Position: 224° / 378 m Dir: Stationary; Behavior: Slow travel • Milling	
		9:13:00 PDT	Body	
		16:13-GMT	Position: 264° / 551 m Dir: Stationary; Behavior: Slow travel	
		9:21:00 PDT	Body	Inside / Inside
		16:21-GMT	Position: 276° / 505 m Dir: Stationary; Behavior: Slow travel	
Apr 11	Total 1	Calves 0	Er Gray whale (northbound)	
Day 69 of 105				
	05	Fair-3	Er Total 1 — 0 Calves at sighting	
		10:40:00 PDT	Blow	
		17:40-GMT	Position: 147° / 527 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Blow/Body	Holly/Buoys
		Time		
		10:49:00 PDT	Blow	Inside / ND
		17:49-GMT	Position: 253° / 607 m Dir: West; Behavior: Slow travel	

Apr 12 Total 2 Calves 1 Er Gray whale (northbound)
Day 70 of 105

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

8:39:00 PDT	Body	Images: none	
15:39-GMT	Position: 258° / 485 m Dir: West; Behavior: Slow travel		
<i>saw three times -- observer went to Sands and watched them slowly head west -- I saw calf with white spot(s) at dorsal ridge</i>			
8:44:00 PDT	Blow		
15:44-GMT	Position: 276° / 607 m Dir: West; Behavior: Slow travel		
8:47:00 PDT	Blow		Inside / Inside
15:47-GMT	Position: 290° / 715 m Dir: West; Behavior: Slow travel		

Apr 13 Total 12 Calves 1 Er Gray whale (northbound)
Day 71 of 105

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

9:08:00 PDT	Blow		
16:08-GMT	Position: 101° / 2,553 m Dir: West; Behavior: Slow travel		
9:11:00 PDT	Blow		
16:11-GMT	Position: 103° / 2,553 m Dir: West; Behavior: Slow travel		
9:15:00 PDT	Blow		
16:15-GMT	Position: 106° / 2,553 m Dir: West; Behavior: Slow travel		
9:21:00 PDT	Blow		
16:21-GMT	Position: 112° / 1,778 m Dir: West; Behavior: Slow travel		
9:28:00 PDT	Blow		
16:28-GMT	Position: 120° / 1,228 m Dir: West; Behavior: Slow travel		
9:31:00 PDT	Body		
16:31-GMT	Position: 130° / 761 m Dir: West; Behavior: Slow travel		
9:33:00 PDT	Body		
16:33-GMT	Position: 139° / 715 m Dir: West; Behavior: Slow travel		
9:35:00 PDT	Body		
16:35-GMT	Position: 151° / 505 m Dir: West; Behavior: Slow travel		
9:36:00 PDT	Blow		
16:36-GMT	Position: 176° / 378 m Dir: West; Behavior: Slow travel		
9:38:00 PDT	Body		
16:38-GMT	Position: 184° / 404 m Dir: West; Behavior: Slow travel		
9:40:00 PDT	Blow		
16:40-GMT	Position: 214° / 466 m Dir: West; Behavior: Slow travel		
9:43:00 PDT	Blow		
16:43-GMT	Position: 237° / 505 m Dir: West; Behavior: Slow travel		
9:45:00 PDT	Body		Inside / ND
16:45-GMT	Position: 261° / 715 m Dir: West; Behavior: Slow travel		

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau Time	Blow/Body	Holly/Buoys
	02	Fair-0	Er Total 2 — 1 Calf at sighting	
		9:11:00 PDT	Blow	Images: none
		16:11-GMT	Position: 108° / 2,094 m Dir: West; Behavior: Slow travel	
		<i>Upon first sighting, calf showed rostrum-first behavior, then cow showed her body behind calf. The pair dwelled in initial area for some time. After passing Coal Oil Point, cow seemed to guide calf away from shore.</i>		
		9:23:00 PDT	Blow	
		16:23-GMT	Position: 108° / 2,094 m Dir: Stationary; Behavior: Slow travel • Milling	
		9:26:00 PDT	Body	
		16:26-GMT	Position: 109° / 1,778 m Dir: Stationary; Behavior: Slow travel	
		9:34:00 PDT	Body	
		16:34-GMT	Position: 109° / 1,778 m Dir: West; Behavior: Slow travel	
		9:39:00 PDT	Body	
		16:39-GMT	Position: 110° / 2,094 m Dir: West; Behavior: Slow travel	
		9:40:00 PDT	Blow	
		16:40-GMT	Position: 109° / 1,778 m Dir: Stationary; Behavior: Slow travel • Milling	
		9:41:00 PDT	Blow	
		16:41-GMT	Position: 111° / 2,094 m Dir: West; Behavior: Slow travel	
		9:44:00 PDT	Blow	
		16:44-GMT	Position: 112° / 2,094 m Dir: West; Behavior: Slow travel	
		9:48:00 PDT	Blow	
		16:48-GMT	Position: 115° / 2,094 m Dir: West; Behavior: Slow travel	
		9:57:00 PDT	Blow	
		16:57-GMT	Position: 125° / 675 m Dir: West; Behavior: Slow travel	
		9:58:00 PDT	Blow	
		16:58-GMT	Position: 126° / 639 m Dir: West; Behavior: Slow travel	
		10:01:00 PDT	Blow	
		17:01-GMT	Position: 141° / 485 m Dir: West; Behavior: Slow travel	
		10:03:00 PDT	Body	
		17:03-GMT	Position: 155° / 466 m Dir: West; Behavior: Slow travel	
		10:04:00 PDT	Body	
		17:04-GMT	Position: 164° / 466 m Dir: West; Behavior: Slow travel	
		10:05:00 PDT	Blow	
		17:05-GMT	Position: 173° / 433 m Dir: West; Behavior: Slow travel	
		10:10:00 PDT	Blow	Inside / ND
		17:10-GMT	Position: 222° / 551 m Dir: West; Behavior: Slow travel	
	05	Fair-0	Er Total 2 — 0 Calves at sighting	
		10:01:00 PDT	Blow	
		17:01-GMT	Position: 118° / 1,778 m Dir: West; Behavior: Slow travel	
		10:05:00 PDT	Blow	
		17:05-GMT	Position: 126° / 1,228 m Dir: West; Behavior: Slow travel	
		10:06:00 PDT	Blow	
		17:06-GMT	Position: 128° / 1,778 m Dir: West; Behavior: Slow travel • Fluke • Rolling	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Blow/Body	Holly/Buoys
	Time			
	10:12:00 PDT		Blow	
	17:12-GMT		Position: 139° / 812 m Dir: West; Behavior: Slow travel • Rolling	
	10:19:00 PDT		Body	
	17:19-GMT		Position: 190° / 466 m Dir: West; Behavior: Slow travel	
	<i>sea lions with whales -- Condor Express traveling alongside</i>			
	10:23:00 PDT		Blow	Inside /
	17:23-GMT		; Behavior: Slow travel	Outside
15	Poor-1	Er Total 4 — 0 Calves at sighting		
	14:44:00 PDT		Blow	
	21:44-GMT		Position: 130° / 3,288 m Dir: West; Behavior: Slow travel	
	14:47:00 PDT		Blow	
	21:47-GMT		Position: 131° / 3,288 m Dir: West; Behavior: Slow travel	
	14:56:00 PDT		Blow	
	21:56-GMT		Position: 136° / 3,288 m Dir: West; Behavior: Slow travel	
	15:03:00 PDT		Blow	
	22:03-GMT		Position: 141° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
	15:05:00 PDT		Blow	
	22:05-GMT		Position: 147° / 2,094 m Dir: West; Behavior: Slow travel	
	15:10:00 PDT		Blow	
	22:10-GMT		Position: 159° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	
	15:13:00 PDT		Blow	
	22:13-GMT		Position: 170° / 1,369 m Dir: West; Behavior: Slow travel	
	15:16:00 PDT		Blow	
	22:16-GMT		Position: 184° / 1,369 m Dir: West; Behavior: Slow travel	
	15:21:00 PDT		Blow	
	22:21-GMT		Position: 208° / 1,228 m Dir: West; Behavior: Slow travel	
	15:24:00 PDT			Inside /
	22:24-GMT		; Behavior: Slow travel	Outside
21	Poor-1	Er Total 2 — 0 Calves at sighting		
	16:59:00 PDT		Blow	
	23:59-GMT		Position: 151° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	
	17:06:00 PDT		Body	ND / ND
	0:06;		Position: 160° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
	4/14/2009-GMT			

Apr 16 Total 2 Calves 1 Er Gray whale (northbound)
Day 74 of 105

04	Poor-4	Er Total 2 — 1 Calf at sighting		
	9:16:00 PDT		Body	Images: 9995-9999
	16:16-GMT		Position: 187° / 367 m Dir: West; Behavior: Slow travel	
	<i>cow turned east to herd(?) calf along kelp -- lost in chop towards buoys</i>			
	9:16:00 PDT		ni	
	16:16-GMT		Position: 190° / 327 m Dir: West; Behavior: Slow travel	
	9:17:00 PDT		Blow	
	16:17-GMT		Position: 196° / 367 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Blow/Body	Holly/Buoys
		Time		
		9:18:00 PDT	Blow	
		16:18-GMT	Position: 198° / 295 m Dir: West; Behavior: Slow travel	
		9:21:00 PDT	Body	
		16:21-GMT	Position: 200° / 257 m Dir: West; Behavior: Slow travel	
		9:22:00 PDT	Body	
		16:22-GMT	Position: 201° / 257 m Dir: West; Behavior: Slow travel	
		9:24:00 PDT	Blow	
		16:24-GMT	Position: 216° / 257 m Dir: West; Behavior: Slow travel	
		9:27:00 PDT	Blow	
		16:27-GMT	Position: 234° / 356 m Dir: West; Behavior: Slow travel	
		9:32:00 PDT	Body	Inside / Inside
		16:32-GMT	Position: 269° / 449 m Dir: West; Behavior: Slow travel	
Apr 17	Total 3	Calves 1	Er Gray whale (northbound)	
Day 75 of 105				

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

15:38:00 PDT	Blow	Images: none	
22:38-GMT	Position: 98° / 2,553 m Dir: West; Behavior: Slow travel		
<i>Big blow/little puff right away @ Campus Point -- along the kelp the whole way -- calf rolled near buoys</i>			
15:43:00 PDT	Blow		
22:43-GMT	Position: 100° / 2,553 m Dir: West; Behavior: Slow travel		
16:11:00 PDT	Blow		
23:11-GMT	Position: 120° / 578 m Dir: West; Behavior: Slow travel		
16:15:00 PDT	Blow		
23:15-GMT	Position: 123° / 2,872 m Dir: West; Behavior: Slow travel		
16:17:00 PDT	Body		
23:17-GMT	Position: 145° / 378 m Dir: West; Behavior: Slow travel		
16:20:00 PDT	Blow		
23:20-GMT	Position: 189° / 327 m Dir: West; Behavior: Slow travel		
16:21:00 PDT	Blow		
23:21-GMT	Position: 225° / 336 m Dir: West; Behavior: Slow travel		
16:25:00 PDT	Blow		
23:25-GMT	Position: 246° / 433 m Dir: West; Behavior: Slow travel		
16:27:00 PDT	Blow		
23:27-GMT	Position: 268° / 466 m Dir: West; Behavior: Slow travel • Rolling		
16:30:00 PDT	Blow		Inside / Inside
23:30-GMT	Position: 284° / 485 m Dir: West; Behavior: Slow travel		

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

15:49:00 PDT	Blow		
22:49-GMT	Position: 131° / 675 m Dir: West; Behavior: Slow travel		
15:53:00 PDT	Blow		
22:53-GMT	Position: 166° / 378 m Dir: West; Behavior: Slow travel		

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Buoys
		Time	Blow/Body	
		15:55:00 PDT	Blow	
		22:55-GMT	Position: 214° / 327 m Dir: West; Behavior: Slow travel	
		16:00:00 PDT	ni	
		23:00-GMT	Position: 260° / 527 m Dir: West; Behavior: Slow travel	
		16:04:00 PDT	Blow	Inside /
		23:04-GMT	Position: 274° / 939 m Dir: West; Behavior: Slow travel	Through
Apr 19	Total 6 Calves 1	Er Gray whale (northbound)		
	Day 77 of 105			

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

11:54:00 PDT	Blow	
18:54-GMT	Position: 131° / 871 m Dir: West; Behavior: Slow travel	
11:56:00 PDT	Blow	
18:56-GMT	Position: 150° / 527 m Dir: West; Behavior: Slow travel	
12:02:00 PDT	Body	
19:02-GMT	Position: 233° / 449 m Dir: West; Behavior: Slow travel	
12:05:00 PDT	Blow	Inside / ND
19:05-GMT	Position: 256° / 715 m Dir: West; Behavior: Slow travel	

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

12:47:00 PDT	Blow	Images: none
19:47-GMT	Position: 104° / 2,094 m Dir: West; Behavior: Slow travel	
<i>Condor on whales -- juvenile outside + close -- calf swam with head up</i>		
<i>MHS also "supervisor"</i>		
12:51:00 PDT	Blow	
19:51-GMT	Position: 104° / 1,778 m Dir: West; Behavior: Slow travel	
12:53:00 PDT	Blow	
19:53-GMT	Position: 110° / 2,094 m Dir: West; Behavior: Slow travel	
12:55:00 PDT	Blow	
19:55-GMT	Position: 109° / 1,778 m Dir: West; Behavior: Slow travel	
12:59:00 PDT	Blow	
19:59-GMT	Position: 118° / 1,546 m Dir: West; Behavior: Slow travel	
13:02:00 PDT	Blow	
20:02-GMT	Position: 122° / 1,546 m Dir: West; Behavior: Slow travel	
13:04:00 PDT	Blow	
20:04-GMT	Position: 127° / 1,369 m Dir: West; Behavior: Slow travel	
13:11:00 PDT	Blow	
20:11-GMT	Position: 149° / 761 m Dir: West; Behavior: Slow travel	
13:13:00 PDT	Body	ND /
20:13-GMT	Position: 207° / 551 m Dir: West; Behavior: Slow travel	
<i>Condor (SV#19) watching whales ... also jet skiers (SV#15) came near whales</i>		

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

14:18:00 PDT	Blow
21:18-GMT	Position: 120° / 1,019 m Dir: West; Behavior: Slow travel
<i>Juvenile with white head</i>	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Buoys
		Time	Blow/Body	
		14:26:00 PDT	Body	
		21:26-GMT	Position: 150° / 433 m Dir: West; Behavior: Slow travel	
		14:29:00 PDT	Body	Inside / ND
		21:29-GMT	Position: 207° / 356 m Dir: West; Behavior: Slow travel	
	33	Fair-3	Er Total 1 — 0 Calves at sighting	
		15:59:00 PDT	Blow	
		22:59-GMT	Position: 144° / 404 m Dir: West; Behavior: Slow travel	
		16:00:00 PDT	Blow	
		23:00-GMT	Position: 162° / 346 m Dir: West; Behavior: Slow travel	
		16:02:00 PDT	Blow	Inside / ND
		23:02-GMT	Position: 207° / 327 m Dir: West; Behavior: Slow travel	
			<i>lost in glare</i>	
Apr 20	Total 6	Calves 2	Er Gray whale (northbound)	
Day 78 of 105				
	01	Fair-0	Er Total 2 — 1 Calf at sighting	
		9:02:00 PDT	Blow	Images: none
		16:02-GMT	Position: 114° / 1,113 m Dir: West; Behavior: Slow travel	
			<i>very slow along Isla Vista -- at oil-barge buoys, stopped, turned around to kelp -- then traveled inside buoys</i>	
		9:09:00 PDT	Blow	
		16:09-GMT	Position: 118° / 1,113 m Dir: West; Behavior: Slow travel	
		9:10:00 PDT	Blow	
		16:10-GMT	Position: 119° / 1,113 m Dir: West; Behavior: Slow travel	
		9:14:00 PDT	Blow	
		16:14-GMT	Position: 123° / 639 m Dir: West; Behavior: Slow travel	
		9:15:00 PDT	Blow	
		16:15-GMT	Position: 128° / 639 m Dir: West; Behavior: Slow travel	
		9:21:00 PDT	Body	
		16:21-GMT	Position: 166° / 356 m Dir: West; Behavior: Slow travel	
		9:26:00 PDT	Body	
		16:26-GMT	Position: 234° / 466 m Dir: West; Behavior: Slow travel	
		9:31:00 PDT	Blow	
		16:31-GMT	Position: 263° / 551 m Dir: Stationary; Behavior: Milling	
		9:35:00 PDT	Body	
		16:35-GMT	Position: 253° / 485 m Dir: East; Behavior: Slow travel	
			<i>whales turned around and went into kelp</i>	
		9:41:00 PDT	Blow	Inside / Inside
		16:41-GMT	Position: 282° / 623 m Dir: East; Behavior: Slow travel	
	15	Good-0	Er Total 2 — 1 Calf at sighting	
		14:05:00 PDT	Body	Images: none
		21:05-GMT	Position: 114° / 1,228 m Dir: West; Behavior: Slow travel	
			<i>Very relaxed -- slow + easy -- calf surfaced more (usually twice after momma) -- cow surfaced a lot, too -- both had rhythm -- turned around before buoys, then went through</i>	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Blow/Body	Holly/Buoys
		Time		
		14:07:00 PDT	Body	
		21:07-GMT	Position: 120° / 1,113 m Dir: West; Behavior: Slow travel	
		14:09:00 PDT	Blow	
		21:09-GMT	Position: 125° / 939 m Dir: West; Behavior: Slow travel	
		14:11:00 PDT	Body	
		21:11-GMT	Position: 123° / 812 m Dir: West; Behavior: Slow travel	
		14:13:00 PDT	Body	
		21:13-GMT	Position: 131° / 715 m Dir: West; Behavior: Slow travel	
		14:16:00 PDT	Body	
		21:16-GMT	Position: 141° / 607 m Dir: West; Behavior: Slow travel	
		14:19:00 PDT	Body	
		21:19-GMT	Position: 160° / 404 m Dir: West; Behavior: Slow travel	
		14:21:00 PDT	Body	
		21:21-GMT	Position: 171° / 356 m Dir: West; Behavior: Slow travel • Milling	
		14:23:00 PDT	Body	
		21:23-GMT	Position: 200° / 495 m Dir: West; Behavior: Slow travel	
		14:27:00 PDT	Body	
		21:27-GMT	Position: 234° / 495 m Dir: West; Behavior: Slow travel	
		14:31:00 PDT	Body	
		21:31-GMT	Position: 258° / 505 m Dir: East; Behavior: Slow travel • Milling	
		14:34:00 PDT	Body	
		21:34-GMT	Position: 254° / 639 m Dir: East; Behavior: Slow travel • Milling	
		14:37:00 PDT	Body	
		21:37-GMT	Position: 258° / 840 m Dir: West; Behavior: Slow travel	
		14:40:00 PDT	Body	Inside /
		21:40-GMT	Position: 273° / 812 m Dir: West; Behavior: Slow travel	Through

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

		16:20:00 PDT	Blow	Images: none
		23:20-GMT	Position: 107° / 1,778 m Dir: West; Behavior: Slow travel	
		<i>only "calf" behavior: held head at waterline for brief period -- smaller -- not small enough -- good swimmer</i>		
		16:23:00 PDT	Body	
		23:23-GMT	Position: 107° / 1,369 m Dir: West; Behavior: Slow travel	
		16:26:00 PDT	Blow	
		23:26-GMT	Position: 110° / 1,369 m Dir: West; Behavior: Slow travel	
		16:28:00 PDT	Blow	
		23:28-GMT	Position: 112° / 1,369 m Dir: West; Behavior: Slow travel	
		16:31:00 PDT	Blow	
		23:31-GMT	Position: 116° / 1,228 m Dir: West; Behavior: Slow travel	
		16:36:00 PDT	Blow	
		23:36-GMT	Position: 126° / 840 m Dir: West; Behavior: Slow travel	
		16:40:00 PDT	Blow	
		23:40-GMT	Position: 134° / 607 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Buoys
		Time	Blow/Body	
		16:45:00 PDT	Body	
		23:45-GMT	Position: 170° / 404 m Dir: West; Behavior: Slow travel	
		16:47:00 PDT	Body	
		23:47-GMT	Position: 184° / 356 m Dir: West; Behavior: Slow travel • Milling	
		16:50:00 PDT	Body	
		23:50-GMT	Position: 216° / 356 m Dir: East; Behavior: Slow travel • Milling	
		sea lion near whales @ 1647 + 1650 + 1654		
		16:54:00 PDT	Blow	
		23:54-GMT	Position: 223° / 449 m Dir: West; Behavior: Slow travel	
		16:56:00 PDT	Body	
		23:56-GMT	Position: 242° / 466 m Dir: West; Behavior: Slow travel	
		16:58:00 PDT	Body	
		23:58-GMT	Position: 256° / 551 m Dir: West; Behavior: Slow travel	
		17:02:00 PDT	Blow	Inside / Inside
		0:02;	Position: 283° / 715 m Dir: West; Behavior: Slow travel	
		4/21/2009-GMT		
Apr 21	Total 7	Calves 3	Er Gray whale (northbound)	
	Day 79 of 105			

02	Good-0	Er Total 2 — 1 Calf at sighting		
		8:54:00 PDT	Blow	Images: none
		15:54-GMT	Position: 108° / 1,546 m Dir: West; Behavior: Slow travel	
		Went through buoys -- did not see much after IDs -- People on Point, including US Fish + Wildlife -- and next pair following close behind		
03	Good-0	Er Total 2 — 1 Calf at sighting		
		8:55:00 PDT	Blow	Images: none
		15:55-GMT	Position: 108° / 1,546 m Dir: West; Behavior: Slow travel	
		Did not see calf until past Point -- got good looks -- went over to Sands overlook		
		9:00:00 PDT	Blow	
		16:00-GMT	Position: 109° / 1,369 m Dir: West; Behavior: Slow travel	
		9:03:00 PDT	Blow	
		16:03-GMT	Position: 115° / 1,369 m Dir: West; Behavior: Slow travel	
		9:08:00 PDT	Blow	
		16:08-GMT	Position: 155° / 505 m Dir: West; Behavior: Slow travel	
		9:15:00 PDT	Blow	
		16:15-GMT	Position: 242° / 527 m Dir: West; Behavior: Slow travel • Fluke	
		9:20:00 PDT	Blow	Inside / Inside
		16:20-GMT	Position: 270° / 1,369 m Dir: West; Behavior: Slow travel	
05	Good-0	Er Total 2 — 1 Calf at sighting		
		9:53:00 PDT	Blow	
		16:53-GMT	Position: 106° / 2,553 m Dir: West; Behavior: Slow travel	
		9:55:00 PDT	Blow	
		16:55-GMT	Position: 105° / 2,094 m Dir: West; Behavior: Slow travel	
		9:59:00 PDT	Blow	
		16:59-GMT	Position: 109° / 1,778 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Blow/Body	Holly/Buoys
		Time		
		10:04:00 PDT	Blow	
		17:04-GMT	Position: 112° / 1,546 m Dir: West; Behavior: Slow travel	
		10:08:00 PDT	Blow	
		17:08-GMT	Position: 115° / 1,369 m Dir: West; Behavior: Slow travel	
		10:14:00 PDT	Blow	
		17:14-GMT	Position: 124° / 812 m Dir: West; Behavior: Slow travel	
		10:20:00 PDT	Blow	
		17:20-GMT	Position: 160° / 449 m Dir: West; Behavior: Slow travel	
		10:22:00 PDT	Body	
		17:22-GMT	Position: 194° / 378 m Dir: West; Behavior: Slow travel	
		<i>saw calf head 3 times</i>		
		10:25:00 PDT	Body	
		17:25-GMT	Position: 222° / 378 m Dir: West; Behavior: Slow travel	
		10:29:00 PDT	Body	
		17:29-GMT	Position: 256° / 485 m Dir: West; Behavior: Slow travel	
		10:32:00 PDT	Blow	Inside / Inside
		17:32-GMT	Position: 278° / 607 m Dir: West; Behavior: Slow travel	
		<i>white spot on calf's right flank</i>		
		<i>NO CALF SHEET for this pair</i>		
14	Fair-1	Er Total 1 — 0 Calves at sighting		
		PDT	Blow	
		7:-GMT	Position: 104° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	
		13:52:00 PDT	Body	
		20:52-GMT	Position: 106° / 2,094 m Dir: West; Behavior: Slow travel	
		13:56:00 PDT	Blow	
		20:56-GMT	Position: 111° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	
		14:01:00 PDT	Blow	
		21:01-GMT	Position: 119° / 1,019 m Dir: West; Behavior: Slow travel • Fluke	
		14:03:00 PDT	Blow	
		21:03-GMT	Position: 124° / 840 m Dir: West; Behavior: Slow travel • Fluke	
		14:06:00 PDT	Body	
		21:06-GMT	Position: 133° / 551 m Dir: West; Behavior: Slow travel • Fluke	
		14:08:00 PDT	Body	
		21:08-GMT	Position: 165° / 288 m Dir: West; Behavior: Slow travel	
		14:10:00 PDT	Blow	
		21:10-GMT	Position: 214° / 288 m Dir: West; Behavior: Slow travel • Fluke	
		14:13:00 PDT	Blow	
		21:13-GMT	Position: 255° / 505 m Dir: West; Behavior: Slow travel • Fluke	
		14:17:00 PDT	Blow	
		21:17-GMT	Position: 272° / 871 m Dir: West; Behavior: Slow travel • Fluke	
		14:19:00 PDT	Blow	
		21:19-GMT	Position: 279° / 1,228 m Dir: West; Behavior: Slow travel • Fluke	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Time		Blow/Body	Holly/Buoys
			14:22:00 PDT		Blow	Inside /
			21:22-GMT		Position: 279° / 1,369 m Dir: West; Behavior: Slow travel • Fluke	Through
<i>juvenile whale usually quick blow and fluke -- went under barge!!</i>						
Apr 23	Total 7	Calves 1	Er Gray whale (northbound)			
Day 81 of 105						
01	Fair-1	Er Total 3 — 0 Calves at sighting				
			9:00:00 PDT		Blow	Images: none
			16:00-GMT		Position: 106° / 1,228 m Dir: West; Behavior: Slow travel	
<i>Just outside waves at Sands -- Close and not close -- appeared to be calf, but larger whales were rolling [paying attention to each other] with smaller whale apart -- juvenile, good swimmer</i>						
			9:01:00 PDT		Body	
			16:01-GMT		Position: 109° / 1,546 m Dir: West; Behavior: Slow travel	
			9:03:00 PDT		Body	
			16:03-GMT		Position: 110° / 1,546 m Dir: West; Behavior: Slow travel • Milling	
			9:06:00 PDT		Body	
			16:06-GMT		Position: 115° / 1,369 m Dir: West; Behavior: Slow travel	
			9:12:00 PDT		Blow	
			16:12-GMT		Position: 118° / 1,019 m Dir: West; Behavior: Slow travel	
			9:14:00 PDT		Blow	
			16:14-GMT		Position: 118° / 812 m Dir: West; Behavior: Slow travel • Milling	
			9:18:00 PDT		ni	
			16:18-GMT		Position: 129° / 607 m Dir: West; Behavior: Slow travel	
			9:19:00 PDT		Blow	
			16:19-GMT		Position: 136° / 505 m Dir: West; Behavior: Slow travel	
			9:22:00 PDT		Blow	
			16:22-GMT		Position: 157° / 356 m Dir: West; Behavior: Slow travel	
			9:25:00 PDT		Body	
			16:25-GMT		Position: 184° / 356 m Dir: West; Behavior: Slow travel	
			9:26:00 PDT		Body	
			16:26-GMT		Position: 199° / 288 m Dir: West; Behavior: Slow travel • Rolling	
			9:29:00 PDT		Blow	
			16:29-GMT		Position: 223° / 356 m Dir: West; Behavior: Slow travel	
			9:30:00 PDT		Blow	
			16:30-GMT		Position: 228° / 449 m Dir: West; Behavior: Slow travel	
			9:32:00 PDT		Body	
			16:32-GMT		Position: 241° / 495 m Dir: West; Behavior: Slow travel	
			9:35:00 PDT		Body	Inside / Inside
			16:35-GMT		Position: 260° / 485 m Dir: West; Behavior: Slow travel	
07	Fair-2	Er Total 1 — 0 Calves at sighting				
			11:25:00 PDT		Blow	
			18:25-GMT		Position: 144° / 1,546 m Dir: West; Behavior: Slow travel	
			11:30:00 PDT		Blow	
			18:30-GMT		Position: 167° / 1,113 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Blow/Body	Holly/Buoys
		Time		
		11:37:00 PDT	Blow	Inside / ND
		18:37-GMT	Position: 212° / 1,019 m Dir: West; Behavior: Slow travel	
		<i>Lost after Holly</i>		
08	Fair-2	Er Total 1 — 0 Calves at sighting		
		11:33:00 PDT	Body	
		18:33-GMT	Position: 150° / 1,228 m Dir: West; Behavior: Slow travel	
		11:36:00 PDT	Blow	
		18:36-GMT	Position: 185° / 505 m Dir: West; Behavior: Slow travel	
		11:41:00 PDT	Blow	Inside / ND
		18:41-GMT	Position: 237° / 607 m Dir: West; Behavior: Slow travel	
12	Fair-1	Er Total 2 — 1 Calf at sighting		
		14:47:00 PDT	Body Images: none	
		21:47-GMT	Position: 170° / 367 m Dir: West; Behavior: Slow travel	
		<i>Saw first right in front -- cow stopped to corral calf -- little calf -- lost as they traveled inside buoys -- went to Sands overlook, but could not find</i>		
		14:53:00 PDT	Body	
		21:53-GMT	Position: 183° / 418 m Dir: West; Behavior: Slow travel	
		14:54:00 PDT	ni	
		21:54-GMT	Position: 195° / 367 m Dir: West; Behavior: Slow travel	
		14:55:00 PDT	Body	
		21:55-GMT	Position: 199° / 310 m Dir: West; Behavior: Slow travel	
		14:58:00 PDT	Body	
		21:58-GMT	Position: 226° / 485 m Dir: West; Behavior: Slow travel	
		15:00:00 PDT	Blow	
		22:00-GMT	Position: 247° / 485 m Dir: West; Behavior: Slow travel	
		15:02:00 PDT	Body	Inside / Inside
		22:02-GMT	Position: 269° / 551 m Dir: West; Behavior: Slow travel	

Apr 25 Total 1 Calves 0 Er Gray whale (northbound)
Day 83 of 105

03	Fair-4	Er Total 1 — 0 Calves at sighting		
		11:12:00 PDT	Blow	
		18:12-GMT	Position: 112° / 3,288 m Dir: West; Behavior: Slow travel	
		11:18:00 PDT	Blow	
		18:18-GMT	Position: 114° / 3,288 m Dir: West; Behavior: Slow travel	
		11:25:00 PDT	Blow	
		18:25-GMT	Position: 115° / 2,553 m Dir: West; Behavior: Slow travel	
		11:30:00 PDT	ni	
		18:30-GMT	Position: 119° / 2,553 m Dir: West; Behavior: Slow travel	
		11:36:00 PDT	ni	
		18:36-GMT	Position: 121° / 2,094 m Dir: West; Behavior: Slow travel	
		11:39:00 PDT	ni	
		18:39-GMT	Position: 122° / 2,094 m Dir: West; Behavior: Slow travel	
		11:41:00 PDT	ni	
		18:41-GMT	Position: 122° / 2,094 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Buoys
		Time	Blow/Body	
		11:50:00 PDT	ni	
		18:50-GMT	Position: 122° / 1,113 m Dir: West; Behavior: Slow travel	
		12:00:00 PDT	ni	
		19:00-GMT	Position: 153° / 505 m Dir: West; Behavior: Slow travel	
		12:08:00 PDT	ni	
		19:08-GMT	Position: 244° / 551 m Dir: West; Behavior: Slow travel	
		12:18:00 PDT	ni	Inside / ND
		19:18-GMT	Position: 278° / 1,294 m Dir: West; Behavior: Slow travel	
		<i>saw whale before and after buoys</i>		

Apr 26 Total 2 Calves 0 Er Gray whale (northbound)
Day 84 of 105

04 Poor-0 **Er Total 2 — 0 Calves at sighting**

13:14:00 PDT	Body	
20:14-GMT	Position: 144° / 639 m Dir: West; Behavior: Slow travel	
13:17:00 PDT	Blow	
20:17-GMT	Position: 176° / 505 m Dir: West; Behavior: Slow travel	
13:18:00 PDT	Blow	
20:18-GMT	Position: 196° / 505 m Dir: West; Behavior: Slow travel	
13:21:00 PDT	Blow	
20:21-GMT	Position: 231° / 578 m Dir: West; Behavior: Slow travel	
13:22:00 PDT	Blow	
20:22-GMT	Position: 237° / 639 m Dir: West; Behavior: Slow travel	
13:23:00 PDT	Blow	Inside /
20:23-GMT	Position: 247° / 812 m Dir: West; Behavior: Slow travel	Outside

Apr 27 Total 4 Calves 2 Er Gray whale (northbound)
Day 85 of 105

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

8:59:00 PDT	Blow	Images: none
15:59-GMT	Position: 119° / 1,294 m Dir: West; Behavior: Slow travel	
<i>Calf stuck head up in front of us -- pair moved steadily along with calf close and taking frequent breaths</i>		
9:03:00 PDT	Blow	
16:03-GMT	Position: 124° / 675 m Dir: West; Behavior: Slow travel	
9:05:00 PDT	Blow	
16:05-GMT	Position: 135° / 505 m Dir: West; Behavior: Slow travel	
9:08:00 PDT	Blow	
16:08-GMT	Position: 159° / 302 m Dir: West; Behavior: Slow travel	
9:09:00 PDT	Body	
16:09-GMT	Position: 172° / 310 m Dir: West; Behavior: Slow travel	
9:10:00 PDT	Body	
16:10-GMT	Position: 211° / 302 m Dir: West; Behavior: Slow travel	
9:11:00 PDT	Body	
16:11-GMT	Position: 221° / 310 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Blow/Body	Holly/Buoys
		Time		
		9:12:00 PDT	Blow	
		16:12-GMT	Position: 226° / 327 m Dir: West; Behavior: Slow travel	
		9:13:00 PDT	Body	
		16:13-GMT	Position: 231° / 378 m Dir: West; Behavior: Slow travel	
		9:14:00 PDT	Blow	Inside / Inside
		16:14-GMT	Position: 246° / 505 m Dir: West; Behavior: Slow travel	
10	Poor-2	Er Total 2 — 1 Calf at sighting		
		13:58:00 PDT	Blow Images: none	
		20:58-GMT	Position: 100° / 2,872 m Dir: West; Behavior: Milling	
		<i>Very slow at Campus Point -- then moved steadily across our vantage and through buoys -- calf blew/surfaced twice as much as cow -- relatively frequent blows -- saw calf head up before buoys</i>		
		14:00:00 PDT	Blow	
		21:00-GMT	Position: 100° / 2,872 m Dir: Stationary; Behavior: Milling	
		14:02:00 PDT	Blow	
		21:02-GMT	Position: 101° / 2,872 m Dir: Stationary; Behavior: Milling	
		14:05:00 PDT	Blow	
		21:05-GMT	Position: 102° / 2,553 m Dir: West; Behavior: Slow travel	
		14:07:00 PDT	Blow	
		21:07-GMT	Position: 105° / 2,094 m Dir: West; Behavior: Slow travel	
		14:11:00 PDT	Blow	
		21:11-GMT	Position: 109° / 2,094 m Dir: West; Behavior: Slow travel	
		14:13:00 PDT	Blow	
		21:13-GMT	Position: 111° / 1,778 m Dir: West; Behavior: Slow travel	
		14:16:00 PDT	Blow	
		21:16-GMT	Position: 116° / 1,546 m Dir: West; Behavior: Slow travel	
		14:19:00 PDT	Blow	
		21:19-GMT	Position: 121° / 1,019 m Dir: West; Behavior: Slow travel	
		14:21:00 PDT	Blow	
		21:21-GMT	Position: 131° / 840 m Dir: West; Behavior: Slow travel	
		14:24:00 PDT	Blow	
		21:24-GMT	Position: 148° / 639 m Dir: West; Behavior: Slow travel	
		14:28:00 PDT	Blow	
		21:28-GMT	Position: 151° / 418 m Dir: West; Behavior: Slow travel	
		14:30:00 PDT	Blow	
		21:30-GMT	Position: 236° / 527 m Dir: West; Behavior: Slow travel	
		14:34:00 PDT	Blow	
		21:34-GMT	Position: 260° / 675 m Dir: West; Behavior: Slow travel	
		14:36:00 PDT	Blow	Inside /
		21:36-GMT	Position: 273° / 939 m Dir: West; Behavior: Slow travel	Through

Apr 28 Total 2 Calves 1
Day 86 of 105

Er Gray whale (northbound)

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau Time	Blow/Body	Holly/Buoys
	04	Fair-3	Er Total 2 — 1 Calf at sighting	
		12:46:00 PDT	Body	Images: none
		19:46-GMT	Position: 141° / 715 m Dir: West; Behavior: Slow travel <i>calf lagging behind a bit -- mostly at rear flank</i>	
		12:49:00 PDT	Blow	
		19:49-GMT	Position: 174° / 639 m Dir: West; Behavior: Slow travel	
		12:54:00 PDT	Blow	
		19:54-GMT	Position: 223° / 578 m Dir: West; Behavior: Slow travel	
		12:58:00 PDT	Body	Inside /
		19:58-GMT	Position: 253° / 871 m Dir: West; Behavior: Slow travel Outside	
Apr 30	Total 6	Calves 3	Er Gray whale (northbound)	
Day 88 of 105				
	01	Fair-2	Er Total 2 — 1 Calf at sighting	
		8:41:00 PDT	Body	Images: none
		15:41-GMT	Position: 171° / 356 m Dir: West; Behavior: Slow travel <i>appeared as we were setting up -- calf stayed very close -- both stopped at kelp west of Point -- no blows passing Point -- calf surfaced many times right in front -- 03 went to Sands, saw blows past kelp</i>	
		8:44:00 PDT	Body	
		15:44-GMT	Position: 216° / 351 m Dir: West; Behavior: Slow travel	
		8:45:00 PDT	Body	
		15:45-GMT	Position: 222° / 404 m Dir: West; Behavior: Slow travel	
		8:49:00 PDT	Body	
		15:49-GMT	Position: 250° / 485 m Dir: West; Behavior: Slow travel	
		8:51:00 PDT	Body	Inside / Inside
		15:51-GMT	Position: 268° / 551 m Dir: West; Behavior: Slow travel <i>with sea lions</i>	
	06	Poor-2	Er Total 2 — 1 Calf at sighting	
		10:47:00 PDT	Blow	Images: none
		17:47-GMT	Position: 103° / 2,553 m Dir: West; Behavior: Slow travel <i>Initial sighting: big + little animals -- calf seemed to be struggling at times -- halting at Campus Point -- many blows -- not much blowing, but many surfacings across Counter Point</i>	
		10:50:00 PDT	Blow	
		17:50-GMT	Position: 106° / 2,553 m Dir: West; Behavior: Slow travel	
		10:56:00 PDT	Body	
		17:56-GMT	Position: 109° / 2,094 m Dir: West; Behavior: Slow travel	
		10:57:00 PDT	Blow	
		17:57-GMT	Position: 110° / 1,778 m Dir: West; Behavior: Slow travel	
		10:58:00 PDT	Body	
		17:58-GMT	Position: 111° / 1,369 m Dir: West; Behavior: Slow travel	
		11:00:00 PDT	Blow	
		18:00-GMT	Position: 113° / 1,369 m Dir: West; Behavior: Slow travel	
		11:02:00 PDT	Body	
		18:02-GMT	Position: 118° / 1,228 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Buoys
		Time	Blow/Body	
		11:06:00 PDT	Blow	
		18:06-GMT	Position: 124° / 871 m Dir: West; Behavior: Slow travel	
		11:07:00 PDT	Blow	
		18:07-GMT	Position: 127° / 840 m Dir: West; Behavior: Slow travel	
		11:10:00 PDT	Blow	
		18:10-GMT	Position: 142° / 527 m Dir: West; Behavior: Slow travel	
		11:13:00 PDT	Body	
		18:13-GMT	Position: 170° / 367 m Dir: West; Behavior: Slow travel	
		11:15:00 PDT	Blow	
		18:15-GMT	Position: 203° / 310 m Dir: West; Behavior: Slow travel	
		11:19:00 PDT	Body	Inside / Inside
		18:19-GMT	Position: 247° / 551 m Dir: West; Behavior: Slow travel	
08	Good-2	Er Total 2 — 1 Calf at sighting		
		12:57:00 PDT	Blow Images: 0017-0022	
		19:57-GMT	Position: 118° / 505 m Dir: West; Behavior: Slow travel	
		<i>Both cow + calf in kelp -- appeared in kelp to east -- in and out of kelp all the way along -- good looks -- close -- calf switched sides</i>		
		12:58:00 PDT	Body	
		19:58-GMT	Position: 124° / 418 m Dir: West; Behavior: Slow travel	
		12:59:00 PDT	Blow	
		19:59-GMT	Position: 132° / 356 m Dir: West; Behavior: Slow travel	
		13:00:00 PDT	Blow	
		20:00-GMT	Position: 139° / 356 m Dir: West; Behavior: Slow travel	
		13:02:00 PDT	Blow	
		20:02-GMT	Position: 163° / 295 m Dir: West; Behavior: Slow travel	
		13:03:00 PDT	Blow	
		20:03-GMT	Position: 174° / 247 m Dir: West; Behavior: Slow travel	
		13:04:00 PDT	Blow	
		20:04-GMT	Position: 206° / 269 m Dir: West; Behavior: Slow travel	
		13:05:00 PDT	Blow	
		20:05-GMT	Position: 226° / 295 m Dir: West; Behavior: Slow travel	
		13:07:00 PDT	Body	
		20:07-GMT	Position: 243° / 418 m Dir: West; Behavior: Slow travel	
		13:11:00 PDT	Blow	
		20:11-GMT	Position: 274° / 495 m Dir: West; Behavior: Slow travel	
		13:12:00 PDT	Blow	Inside / Inside
		20:12-GMT	Position: 282° / 527 m Dir: West; Behavior: Slow travel	
May 01	Total 2 Calves 1	Er Gray whale (northbound)		
Day 89 of 105				
07	Poor-2	Er Total 2 — 1 Calf at sighting		
		12:41:00 PDT	Blow Images: 0031-0050	
		19:41-GMT	Position: 100° / 2,553 m Dir: West; Behavior: Slow travel	
		<i>very calf-like -- all over the place -- up-and-down-and-around -- both at surface a lot -- through buoys</i>		

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Blow/Body	Holly/Buoys
		Time		
		12:49:00 PDT	Blow	
		19:49-GMT	Position: 106° / 2,553 m Dir: West; Behavior: Slow travel	
		12:57:00 PDT	Blow	
		19:57-GMT	Position: 113° / 1,778 m Dir: West; Behavior: Slow travel	
		13:01:00 PDT	Blow	
		20:01-GMT	Position: 118° / 1,369 m Dir: West; Behavior: Slow travel	
		13:06:00 PDT	Blow	
		20:06-GMT	Position: 122° / 1,228 m Dir: West; Behavior: Slow travel	
		13:11:00 PDT	Body	
		20:11-GMT	Position: 134° / 761 m Dir: West; Behavior: Slow travel	
		13:13:00 PDT	Body	
		20:13-GMT	Position: 148° / 551 m Dir: West; Behavior: Slow travel	
		13:17:00 PDT	Body	
		20:17-GMT	Position: 178° / 449 m Dir: West; Behavior: Slow travel	
		13:19:00 PDT	Body	
		20:19-GMT	Position: 199° / 466 m Dir: West; Behavior: Slow travel • Breach • Fluke	
		13:21:00 PDT	Body	
		20:21-GMT	Position: 229° / 551 m Dir: West; Behavior: Slow travel	
		13:24:00 PDT	Body	
		20:24-GMT	Position: 244° / 639 m Dir: West; Behavior: Slow travel • Breach	
		13:26:00 PDT	Body	
		20:26-GMT	Position: 259° / 675 m Dir: West; Behavior: Slow travel	
		13:29:00 PDT	Body	Inside /
		20:29-GMT	Position: 270° / 871 m Dir: West; Behavior: Slow travel	Through
May 02		Total 2 Calves 1	Er Gray whale (northbound)	
Day 90 of 105				

06	Fair-4	Er Total 2 — 1 Calf at sighting
	9:46:00 PDT	Blow Images: none
	16:46-GMT	Position: 115° / 1,778 m Dir: West; Behavior: Slow travel
		<i>Heavy chop -- saw first along inside Campus Point -- slow, determined travel against wind</i>
	9:52:00 PDT	Blow
	16:52-GMT	Position: 125° / 1,369 m Dir: West; Behavior: Slow travel
	9:57:00 PDT	Blow
	16:57-GMT	Position: 139° / 812 m Dir: West; Behavior: Slow travel
	10:00:00 PDT	Blow
	17:00-GMT	Position: 153° / 715 m Dir: West; Behavior: Slow travel
	10:03:00 PDT	Blow
	17:03-GMT	Position: 179° / 551 m Dir: West; Behavior: Slow travel
	10:08:00 PDT	ni
	17:08-GMT	Position: 209° / 527 m Dir: West; Behavior: Slow travel
	10:11:00 PDT	ni
	17:11-GMT	Position: 236° / 639 m Dir: West; Behavior: Slow travel
	10:14:00 PDT	ni
	17:14-GMT	Position: 250° / 715 m Dir: West; Behavior: Slow travel

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau		Holly/Buoys
		Time	Blow/Body	
		10:18:00 PDT	ni	Inside /
		17:18-GMT	Position: 264° / 1,369 m Dir: West; Behavior: Slow travel	Outside
<hr/>				
May 05	Total 3 Calves 1	Er Gray whale (northbound)		
Day 93 of 105				
<hr/>				
	03	Poor-4	Er Total 2 — 1 Calf at sighting	
		9:47:00 PDT	Body	Images: 0110-0123
		16:47-GMT	Position: 153° / 257 m Dir: West; Behavior: Slow travel	
			<i>Started slow, then moved along</i>	
		9:51:00 PDT	Blow	
		16:51-GMT	Position: 230° / 288 m Dir: West; Behavior: Slow travel	
		9:55:00 PDT	Blow	
		16:55-GMT	Position: 257° / 551 m Dir: West; Behavior: Slow travel	
		9:57:00 PDT	Blow	Inside / Inside
		16:57-GMT	Position: 271° / 607 m Dir: West; Behavior: Slow travel	
			<i>frequent blows passing Counter Point</i>	
<hr/>				
	04	Poor-4	Er Total 1 — 0 Calves at sighting	
		9:59:00 PDT	Blow	
		16:59-GMT	Position: 124° / 1,778 m Dir: West; Behavior: Slow travel	
		10:05:00 PDT	Blow	
		17:05-GMT	Position: 144° / 761 m Dir: West; Behavior: Slow travel	
		10:11:00 PDT	Blow	
		17:11-GMT	Position: 184° / 840 m Dir: West; Behavior: Slow travel	
		10:14:00 PDT	Blow	
		17:14-GMT	Position: 208° / 840 m Dir: West; Behavior: Slow travel	
		10:21:00 PDT	Blow	Inside / Inside
		17:21-GMT	Position: 253° / 1,019 m Dir: West; Behavior: Slow travel	
<hr/>				
May 06	Total 1 Calves 0	Er Gray whale (northbound)		
Day 94 of 105				
<hr/>				
	12	Poor-4	Er Total 1 — 0 Calves at sighting	
		11:24:00 PDT	Blow	
		18:24-GMT	Position: 133° / 761 m Dir: West; Behavior: Slow travel	
		11:33:00 PDT	Blow	
		18:33-GMT	Position: 141° / 418 m Dir: West; Behavior: Slow travel	
		11:35:00 PDT	Blow	
		18:35-GMT	Position: 163° / 295 m Dir: West; Behavior: Slow travel	
		11:38:00 PDT	Blow	
		18:38-GMT	Position: 198° / 295 m Dir: West; Behavior: Slow travel	
		11:43:00 PDT	Blow	
		18:43-GMT	Position: 250° / 607 m Dir: West; Behavior: Slow travel	
		11:50:00 PDT	Blow	Inside / Inside
		18:50-GMT	Position: 288° / 1,228 m Dir: West; Behavior: Slow travel	
<hr/>				
May 08	Total 2 Calves 1	Er Gray whale (northbound)		
Day 96 of 105				

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau Time	Blow/Body	Holly/Buoys
	02	Poor-3	Er Total 2 — 1 Calf at sighting	
		9:10:00 PDT	Body	Images: 0343-0351
		16:10-GMT	Position: 144° / 639 m Dir: West; Behavior: Slow travel <i>at first we thought we might not be able to see calf -- then both stopped at kelp to west -- milled -- came back east -- many good looks at calf -- dolphins + sea lions approached Ers</i>	
		9:17:00 PDT	Blow	
		16:17-GMT	Position: 218° / 418 m Dir: West; Behavior: Slow travel	
		9:22:00 PDT	Body	
		16:22-GMT	Position: 234° / 449 m Dir: West; Behavior: Slow travel	
		9:25:00 PDT	Blow	
		16:25-GMT	Position: 245° / 449 m Dir: East; Behavior: Slow travel <i>IDed calf</i>	
		9:36:00 PDT	Blow	
		16:36-GMT	Position: 226° / 378 m Dir: Stationary; Behavior: Milling	
		9:38:00 PDT	Body	Inside / ND
		16:38-GMT	Position: 225° / 346 m Dir: ni; Behavior: Milling	
May 09	Total 2	Calves 1	Er Gray whale (northbound)	
Day 97 of 105				
	05	Poor-1	Er Total 2 — 1 Calf at sighting	
		9:25:00 PDT	Body	Images: none
		16:25-GMT	Position: 124° / 639 m Dir: West; Behavior: Slow travel <i>very poor visibility -- got good looks at calf head + body -- right in front of us</i>	
		9:29:00 PDT	Blow	
		16:29-GMT	Position: 143° / 551 m Dir: West; Behavior: Slow travel	
		9:32:00 PDT	Blow	
		16:32-GMT	Position: 175° / 449 m Dir: West; Behavior: Slow travel	
		9:34:00 PDT	Blow	
		16:34-GMT	Position: 233° / 418 m Dir: West; Behavior: Slow travel	
		9:37:00 PDT	Blow	
		16:37-GMT	Position: 250° / 505 m Dir: West; Behavior: Slow travel • Fluke	
		9:39:00 PDT	Blow	
		16:39-GMT	Position: 263° / 840 m Dir: West; Behavior: Slow travel	
		9:42:00 PDT	Body	Inside / Inside
		16:42-GMT	Position: 284° / 715 m Dir: West; Behavior: Slow travel	
May 11	Total 1	Calves 0	Er Gray whale (northbound)	
Day 99 of 105				
	13	Poor-3	Er Total 1 — 0 Calves at sighting	
		15:46:00 PDT	Blow	
		22:46-GMT	Position: 110° / 2,553 m Dir: West; Behavior: Slow travel	
		15:49:00 PDT	Blow	
		22:49-GMT	Position: 112° / 1,778 m Dir: West; Behavior: Slow travel	
		15:53:00 PDT	Blow	
		22:53-GMT	Position: 118° / 1,228 m Dir: West; Behavior: Slow travel	

2009 Gray whales (northbound): Total, Sighting + Tracking Details, On-Effort

Daily Totals	Sighting Number	Quality - Beau	Blow/Body	Holly/Buoys
		Time		
		15:55:00 PDT	Blow	
		22:55-GMT	Position: 123° / 1,019 m Dir: West; Behavior: Slow travel	
		15:56:00 PDT	Blow	
		22:56-GMT	Position: 125° / 871 m Dir: West; Behavior: Slow travel	
		15:59:00 PDT	Blow	
		22:59-GMT	Position: 138° / 639 m Dir: West; Behavior: Slow travel	
		15:02:00 PDT	Blow	
		22:02-GMT	Position: 166° / 404 m Dir: West; Behavior: Slow travel	
		16:03:00 PDT	Blow	
		23:03-GMT	Position: 187° / 505 m Dir: West; Behavior: Slow travel	
		16:05:00 PDT	Blow	
		23:05-GMT	Position: 219° / 485 m Dir: West; Behavior: Slow travel	
		16:09:00 PDT	ni	
		23:09-GMT	Position: 255° / 812 m Dir: West; Behavior: Slow travel • Fluke	
		16:13:00 PDT	Blow	Inside /
		23:13-GMT	Position: 266° / 1,369 m Dir: West; Behavior: Slow travel	Through
May 12	Total 2	Calves 1	Er Gray whale (northbound)	
Day 100 of 105				

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

10:50:00 PDT	Body	Images: 0479-0493	
17:50-GMT	Position: 130° / 715 m Dir: West; Behavior: Slow travel		
<i>unhesitating until buoys -- lots of sea lions in area + Shane Seep active -- lost whales</i>			
10:53:00 PDT	Body		
17:53-GMT	Position: 155° / 449 m Dir: West; Behavior: Slow travel		
10:55:00 PDT	Blow		
17:55-GMT	Position: 186° / 327 m Dir: West; Behavior: Slow travel		
10:57:00 PDT	Blow		Inside /
17:57-GMT	Position: 232° / 378 m Dir: West; Behavior: Slow travel		
<i>sea lion escorts -- lost among diving birds + frolicking sea lions at buoys</i>			
			Outside